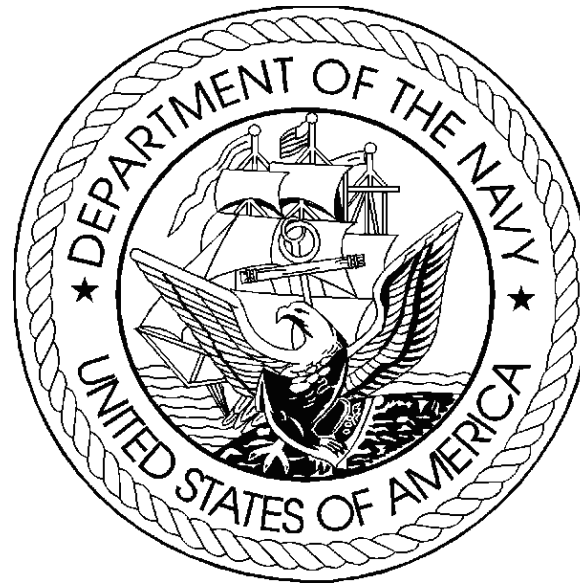


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**Department of Defense
Fiscal Year (FY) 2015 Budget Estimates**

March 2014



Navy

Justification Book Volume 2

Other Procurement, Navy

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Navy • Budget Estimates FY 2015 • Procurement

Volume 2 Table of Contents

Introduction and Explanation of Contents.....Volume 2 - iii

Comptroller Exhibit P-1.....Volume 2 - v

Line Item Table of Contents (Alphabetically by Line Item Title).....Volume 2 - xix

Exhibit P-40's..... Volume 2 - 1

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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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Volume 2 - vii

UNCLASSIFIED

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

20 Feb 2014

Appropriation: 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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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
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

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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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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

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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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Volume 2 - x

UNCLASSIFIED

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

20 Feb 2014

Appropriation: 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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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

UNCLASSIFIED

Volume 2 - xi

UNCLASSIFIED

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

20 Feb 2014

Appropriation: 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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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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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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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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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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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

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

UNCLASSIFIED

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

20 Feb 2014

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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
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	Total Ordnance Support Equipment		580,174	766,516		766,516	652,164	

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

UNCLASSIFIED

Volume 2 - xv

UNCLASSIFIED

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

20 Feb 2014

Appropriation: 1810N Other Procurement, 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	

P-1C1: FY 2015 President's Budget (Published Version), as of February 20, 2014 at 08:25:01

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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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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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Navy • Budget Estimates FY 2015 • Procurement

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AN/SLQ-32	2312	51	02	04.....	Volume 2 - 175
AN/SQQ-89 Surf ASW Cmbt Sys	2136	41	02	02.....	Volume 2 - 11
Adv Tact Data Link Sys (ATDLS)	2614	58	02	07.....	Volume 2 - 349
American Forces Radio and TV Service (AFRTS)	2666	63	02	07.....	Volume 2 - 397
Automatic Carrier Landing System	2832	68	02	09.....	Volume 2 - 445
Automatic Identification System (AIS)	2361	53	02	05.....	Volume 2 - 247
CANES	2915	78	02	10.....	Volume 2 - 619
CANES Intell	2925	80	02	10.....	Volume 2 - 655
Coast Guard Equipment	3620	98	02	17.....	Volume 2 - 881
Communications Items under \$5M	3057	88	02	11.....	Volume 2 - 739
Cooperative Engagement Capability	2606	55	02	07.....	Volume 2 - 307
Cryptologic Communications Equip	3501	97	02	16.....	Volume 2 - 877
Depl JT Cmd & Control (DJC2)	2804	74	02	10.....	Volume 2 - 549
Distributed Common Ground System-Navy (DCGS-N)	2914	77	02	10.....	Volume 2 - 591
EMI Control Instrumentation	2970	83	02	10.....	Volume 2 - 675
Electrical Power Systems	3303	94	02	14.....	Volume 2 - 831
Electronic Warfare MILDEC	2188	45	02	02.....	Volume 2 - 97

UNCLASSIFIED

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Navy • Budget Estimates FY 2015 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Fixed Surveillance System	2225	48	02	03.....	Volume 2 - 125
Fleet Air Traffic Control Systems	2845	70	02	09.....	Volume 2 - 505
Gen Purp Elec Test Equip (GPETE)	2940	81	02	10.....	Volume 2 - 669
ID Systems	2851	72	02	09.....	Volume 2 - 523
Info Systems Security Program (ISSP)	3415	95	02	15.....	Volume 2 - 833
Integ Combat System Test Facility	2960	82	02	10.....	Volume 2 - 671
Items less than \$5 Million	2980	84	02	10.....	Volume 2 - 679
JCS Communications Equipment	3302	93	02	14.....	Volume 2 - 827
Landing Systems	2846	71	02	09.....	Volume 2 - 509
MATCALs	2815	66	02	09.....	Volume 2 - 425
MDA	3051	87	02	11.....	Volume 2 - 735
MIO Intel Exploitation Team	3417	96	02	15.....	Volume 2 - 875
Maritime Integrated Broadcast System	2900	75	02	10.....	Volume 2 - 553
Maritime Patrol and Reconnaissance Force	2246	50	02	03.....	Volume 2 - 153
Minesweeping System Replacement	2622	60	02	07.....	Volume 2 - 369
NAVSTAR GPS Receivers (Space)	2657	62	02	07.....	Volume 2 - 385
National Air Space System	2840	69	02	09.....	Volume 2 - 479
Naval Mission Planning Systems	2876	73	02	09.....	Volume 2 - 545
Naval Tact Cmd Supt Sys (NTCSS)	2611	57	02	07.....	Volume 2 - 339
Navy Command and Control System (NCCS)	2618	59	02	07.....	Volume 2 - 357

UNCLASSIFIED

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Navy • Budget Estimates FY 2015 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Navy Multiband Terminal (NMT)	3216	92	02	13.....	Volume 2 - 817
Other Drug Interdiction Support	3820	99	02	19.....	Volume 2 - 885
Other Training Equipment	2762	65	02	08.....	Volume 2 - 405
RADIAC	2920	79	02	10.....	Volume 2 - 645
SPQ-9B Radar	2026	40	02	02.....	Volume 2 - 1
SSN Acoustics	2147	42	02	02.....	Volume 2 - 39
SURTASS	2237	49	02	03.....	Volume 2 - 127
Satellite Communications Systems	3215	91	02	13.....	Volume 2 - 797
Shallow Water Mine CM Ship	2624	61	02	07.....	Volume 2 - 381
Ship Communications Automation	3050	86	02	11.....	Volume 2 - 717
Shipboard Air Traffic Control	2831	67	02	09.....	Volume 2 - 439
Shipboard IW Exploit	2360	52	02	05.....	Volume 2 - 207
Shipboard Tactical Comms	3010	85	02	11.....	Volume 2 - 707
Sonar Switches and Transducers	2181	44	02	02.....	Volume 2 - 91
Strategic Platform Support Equip	2676	64	02	07.....	Volume 2 - 401
Submarine Acoustic Warfare System	2210	46	02	03.....	Volume 2 - 101
Submarine Broadcast Support	3107	89	02	12.....	Volume 2 - 747
Submarine Communication Equipment	3130	90	02	12.....	Volume 2 - 759
Submarine Supt Equip Prog	2560	54	02	06.....	Volume 2 - 251
Surface Ship Torpedo Def (SSTD)	2213	47	02	03.....	Volume 2 - 105

UNCLASSIFIED

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Navy • Budget Estimates FY 2015 • Procurement

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Tactical/Mobile C4I Systems	2906	76	02	10.....	Volume 2 - 571
Trusted Information System (TIS)	2608	56	02	07.....	Volume 2 - 335
Undersea Warfare Support Equipment	2176	43	02	02.....	Volume 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 02: Communications & Electronics Equip / BSA 2: Ship Sonars							P-1 Line Item Number / Title: 2026 / SPQ-9B Radar					
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>)	104.628	18.076	27.934	28.007	-	28.007	24.801	30.678	31.295	31.996	798.236	1,095.651
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	104.628	18.076	27.934	28.007	-	28.007	24.801	30.678	31.295	31.996	798.236	1,095.651
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	104.628	18.076	27.934	28.007	-	28.007	24.801	30.678	31.295	31.996	798.236	1,095.651
<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>)	-	0.228	0.362	0.120	-	0.120	0.060	0.510	0.020	0.360	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 for procurement of AN/SPQ-9B Radars whose primary mission is to detect and track low flying Anti-Ship Missile targets in heavy clutter. The mission of the AN/SPQ-9B is currently being expanded to include the capability to detect and classify periscopes with the completion and incorporation of a Periscope Detection and Discrimination (PDD) capability designed to operate concurrently with the Anti-Ship Missile Defense (ASMD) capability. [BR5IN AN/SPQ-9B FMP INSTALLATIONS]: Provides funding to install AN/SPQ-9B Radar systems. AN/SPQ-9B systems are installed using Alteration Installation Teams (AITs) that require Planning Yard Design Services Allocation (DSA) funds one (1) and two (2) years prior to installation. Advance Planning (AP) is required one (1) year prior to installation. [BR6IN AN/SPQ-9B NON FMP INSTALLATIONS]: Provides funding for the installation of equipment for Land Based Test Sites (LBTS). [P40A / BR040 TRANSMITTER UPGRADE FMP]: Funding is provided for installations of AN/SPQ-9B Transmitter Upgrades on LPD-17. [P40A / BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT]: Funding provided for Transmitter Upgrade Processor installations at Surface Warfare Engineering Facility (SWEF) and Combat Systems Engineering Development Site (CSEDS) (both non-FMP). [P40A / BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)]: Procures product improvements generated by Engineering Change Proposals (ECPs); corrects problems reported by Fleet units; upgrades unreliable components and replaces obsolete components and parts no longer in production for AN/SPQ-9B Radar; and addresses supportability concerns. Purchases and installs ECPs, including Antenna Shock Upgrade Kits, Digital Signal Processor (DSP) Kits, Periscope Detection and Discrimination (PDD) Kits and engineering change kit hardware components. Antenna Shock Upgrade Kits will be installed during Antenna Restorations. DSP and PDD kits will be installed via Alteration Installation Team (AIT) and can be accomplished outside of a CNO Availability. [P40A / BR830 AN/SPQ-9B PRODUCTION SUPPORT]: Supports the AN/SPQ-9B Radar program In-Service Engineering Agent (ISEA), Software Support Activity (SSA), Integrated Logistics Agent (ILA), Acquisition Engineering Agent (AEA), and Technical Design Agent (TDA). Also includes support for production of hardware and production hardware components related to Engineering Change Proposals (ECPs) and software certification.												

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars										P-1 Line Item Number / Title: 2026 / SPQ-9B Radar									

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / BRCA1 AN/SPQ-9B RADAR COMPONENTS]: Funding is provided via Congressional Plus Up to procure AN/SPQ-9B Radars, Transmitter Upgrades (TUP), Antennas, sub-components, software and modifications.		
[P40A / BRCA2 AN/SPQ-9B RADAR COMPONENTS]: Funding is provided via Congressional Plus Up to procure AN/SPQ-9B Radars, Transmitter Upgrades (TUP), Antennas, sub-components, software and modifications.		
[P3A / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT]: Procures AN/SPQ-9B Radars to add Anti-Ship Missile Defense (ASMD) capability to Shipboard Combat Systems. Procures radars to support combat systems on the following ship classes: CG, LHA, DDG, CVN, LHD, LPD, U.S. Coast Guard National Security Cutter and a Training Unit. Systems procured for Cruisers/Destroyers (CRUDES) and Amphibious Ships in FY12 and beyond will also include the Periscope Detection and Discrimination (PDD) capability. Procures AN/SPQ-9B Technical Data Package (TDP) in FY18 to enable production contract competition.		

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)
SPQ-9B Radar	P-40a		-	-	78.026	-	-	9.912	-	-	12.110	-	-	10.004	-	-	-	-	-	10.004
P-3a - 1 / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	P-3a		-	-	26.602	-	-	8.164	-	-	15.824	-	-	18.003	-	-	-	-	-	18.003
Total Gross/Weapon System Cost			-	-	104.628	-	-	18.076	-	-	27.934	-	-	28.007	-	-	-	-	-	28.007
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)
SPQ-9B Radar	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	P-3a		-	-	11.475	-	-	25.415	-	-	29.218	-	-	22.707	-	-	738.703	-	-	896.111
Total Gross/Weapon System Cost			-	-	24.801	-	-	30.678	-	-	31.295	-	-	31.996	-	-	798.236	-	-	1,095.651

*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 / 02 / 2									P-1 Line Item Number / Title: 2026 / SPQ-9B Radar						Aggregated Items Title: SPQ-9B Radar					
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) BR040 AN/SPQ-9B RADAR																				
1.1) BR040 ANTENNA	A		2,529K	7	17.701	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) BR040 ANTENNA TEST STAND	A		1,025K	1	1.025	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) BR040 TRANSMITTER UPGRADE FMP	A		-	-	12.961	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT	A		-	-	2.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) BR040 AN/SPQ-9B RADAR			-	-	34.645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP) ⁽¹⁾																				
2.1) BR042 MISCELLANEOUS ECPs ⁽²⁾	A		-	-	4.649	-	-	2.313	-	-	1.732	-	-	1.815	-	-	-	-	-	1.815
2.2) BR042 ANTENNA SHOCK UPGRADE KITS	A		527,428.57	7	3.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) BR042 DIGITAL SIGNAL PROCESSOR KITS	A		380,800.00	5	1.904	-	-	0.280	421,750.00	4	1.687	437,000.00	5	2.185	-	-	-	437,000.00	5	2.185
2.4) BR042 PDD KITS	A		665,000.00	5	3.325	819,000.00	5	4.095	877,750.00	8	7.022	1,212K	4	4.847	-	-	-	1,212K	4	4.847
Subtotal: 2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)			-	-	13.570	-	-	6.688	-	-	10.441	-	-	8.847	-	-	-	-	-	8.847
3) BR830 AN/SPQ-9B PRODUCTION SUPPORT																				
3.1) BR830 AN/SPQ-9B PRODUCTION SUPPORT ⁽³⁾	A		-	-	8.184	-	-	3.224	-	-	1.669	-	-	1.157	-	-	-	-	-	1.157
Subtotal: 3) BR830 AN/SPQ-9B PRODUCTION SUPPORT			-	-	8.184	-	-	3.224	-	-	1.669	-	-	1.157	-	-	-	-	-	1.157
4) BRCA1 AN/SPQ-9B RADAR COMPONENTS																				
4.1) BRCA1 AN/SPQ-9B RADAR COMPONENTS	A		7,400K	2	14.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) BRCA1 AN/SPQ-9B RADAR COMPONENTS			-	-	14.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2						P-1 Line Item Number / Title: 2026 / SPQ-9B Radar						Aggregated Items Title: SPQ-9B Radar								
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) BRCA2 AN/SPQ-9B RADAR COMPONENTS																				
5.1) BRCA2 AN/SPQ-9B RADAR COMPONENTS	A		6,800K	1	6.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) BRCA2 AN/SPQ-9B RADAR COMPONENTS			-	-	6.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) WAXXX ACQUISITION WORKFORCE FUND																				
6.1) WAXXX ACQUISITION WORKFORCE FUND-2009	A		-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) WAXXX ACQUISITION WORKFORCE FUND			-	-	0.027	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	78.026	-	-	9.912	-	-	12.110	-	-	10.004	-	-	-	-	-	10.004

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2						P-1 Line Item Number / Title: 2026 / SPQ-9B Radar									Aggregated Items Title: SPQ-9B Radar						
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) BR040 AN/SPQ-9B RADAR																					
1.1) BR040 ANTENNA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) BR040 ANTENNA TEST STAND	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) BR040 TRANSMITTER UPGRADE FMP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) BR040 TRANSMITTER UPGRADE NON-FMP EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) BR040 AN/SPQ-9B RADAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP) ⁽¹⁾																					
2.1) BR042 MISCELLANEOUS ECPs ⁽²⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) BR042 ANTENNA SHOCK UPGRADE KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) BR042 DIGITAL SIGNAL PROCESSOR KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.4) BR042 PDD KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) BR042 AN/SPQ-9B ENGINEERING CHANGE PROPOSALS (ECP)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) BR830 AN/SPQ-9B PRODUCTION SUPPORT																					
3.1) BR830 AN/SPQ-9B PRODUCTION SUPPORT ⁽³⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) BR830 AN/SPQ-9B PRODUCTION SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) BRCA1 AN/SPQ-9B RADAR COMPONENTS																					
4.1) BRCA1 AN/SPQ-9B RADAR COMPONENTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) BRCA1 AN/SPQ-9B RADAR COMPONENTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

UNCLASSIFIED

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy																Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2								P-1 Line Item Number / Title: 2026 / SPQ-9B Radar								Aggregated Items Title: SPQ-9B Radar				

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)
5) BRCA2 AN/SPQ-9B RADAR COMPONENTS																				
5.1) BRCA2 AN/SPQ-9B RADAR COMPONENTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) BRCA2 AN/SPQ-9B RADAR COMPONENTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) WAXXX ACQUISITION WORKFORCE FUND																				
6.1) WAXXX ACQUISITION WORKFORCE FUND-2009	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) WAXXX ACQUISITION WORKFORCE FUND			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) DSP and PDD kit unit cost variations are due to inclusion of installation cost for kits procured in prior year. Additionally, PDD costs have increased since PB14 following contract definitization and revised installation cost estimates.
- (2) FY13 and FY14 Miscellaneous ECPs (BR042) increased for required radar obsolescence mitigation engineering changes.
- (3) FY13 Production Support (BR830) increased for PDD logistics support and software certification efforts required prior to initial shipboard PDD installations.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2026 / SPQ-9B Radar	Modification Number / Title: 1 / BR040 AN/SPQ-9B RADAR FMP 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>	26.602	8.164	15.824	18.003	-	18.003	11.475	25.415	29.218	22.707	738.703	896.111
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	26.602	8.164	15.824	18.003	-	18.003	11.475	25.415	29.218	22.707	738.703	896.111
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	26.602	8.164	15.824	18.003	-	18.003	11.475	25.415	29.218	22.707	738.703	896.111
<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:

[BR040 AN/SPQ-9B RADAR FMP EQUIPMENT] Procures AN/SPQ-9B Radars to add Anti-Ship Missile Defense (ASMD) capability to Shipboard Combat Systems. Procures radars to support combat systems on the following ship classes: CG, LHA, DDG, CVN, LHD, LPD, U.S. Coast Guard National Security Cutter and a Training Unit. Systems procured for Cruisers/Destroyers (CRUDES) and Amphibious Ships in FY12 and beyond will also include the Periscope Detection and Discrimination (PDD) capability. Procures AN/SPQ-9B Technical Data Package (TDP) in FY18 to enable production contract competition.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2026 / SPQ-9B Radar				Modification Number / Title: 1 / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT				
Models of Systems Affected: AN/SPQ-9B RADAR FMP EQUIPMENT				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604501N				
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: BR040 AN/SPQ-9B RADAR FMP EQUIPMENT												
B Kits												
Recurring												
1.1.1) BR040 AN/SPQ-9B RADAR FMP EQUIPMENT - NonOrganic ⁽⁴⁾	2 / 14.093	1 / 6.903	2 / 13.222	2 / 13.400	- / -	2 / 13.400	1 / 6.814	3 / 20.718	2 / 15.915	2 / 16.186	62 / 513.816	77 / 621.067
1.1.2) BR040 AN/SPQ-9B NON-RECURRING (TDP) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.690	- / -	- / -	- / 6.690
Subtotal: Recurring	- / 14.093	- / 6.903	- / 13.222	- / 13.400	- / -	- / 13.400	- / 6.814	- / 20.718	- / 22.605	- / 16.186	- / 513.816	- / 627.757
Subtotal: BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	2 / 14.093	1 / 6.903	2 / 13.222	2 / 13.400	- / -	2 / 13.400	1 / 6.814	3 / 20.718	2 / 22.605	2 / 16.186	62 / 513.816	77 / 627.757
Subtotal: Procurement, All Modification Items	- / 14.093	- / 6.903	- / 13.222	- / 13.400	- / -	- / 13.400	- / 6.814	- / 20.718	- / 22.605	- / 16.186	- / 513.816	- / 627.757
Installation												
Modification Item 1 of 1: BR040 AN/SPQ-9B RADAR FMP EQUIPMENT	- / 12.509	- / 1.261	- / 2.602	- / 4.603	- / -	- / 4.603	- / 4.661	- / 4.697	- / 6.613	- / 6.521	- / 224.887	- / 268.354
Subtotal: Installation	- / 12.509	- / 1.261	- / 2.602	- / 4.603	- / -	- / 4.603	- / 4.661	- / 4.697	- / 6.613	- / 6.521	- / 224.887	- / 268.354
Total												
Total Cost (Procurement + Support + Installation)	26.602	8.164	15.824	18.003	-	18.003	11.475	25.415	29.218	22.707	738.703	896.111

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2026 / SPQ-9B Radar	Modification Number / Title: 1 / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT

Modification Item 1 of 1: BR040 AN/SPQ-9B RADAR FMP EQUIPMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NORTHROP GRUMMAN

Manufacturer Location: >BALTIMORE, MD

Administrative Leadtime (in Months): 5

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 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates	Mar 2015	Dec 2015	Sep 2016	Sep 2017	Sep 2018	Sep 2019	Sep 2020

Installation Information

Method of Implementation: [none specified] : Installation Name: BR040 AN/SPQ-9B RADAR FMP 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	6 / 12.509	1 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 13.109
FY 2013	- / -	- / 0.661	- / 1.300	1 / 0.650	- / -	1 / 0.650	- / -	- / -	- / -	- / -	- / -	1 / 2.611
FY 2014	- / -	- / -	- / 1.302	- / 2.600	- / -	- / 2.600	2 / 1.300	- / -	- / -	- / -	- / -	2 / 5.202
FY 2015	- / -	- / -	- / -	- / 1.353	- / -	- / 1.353	- / 2.667	2 / 1.333	- / -	- / -	- / -	2 / 5.353
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.694	- / 1.400	1 / 0.700	- / -	- / -	1 / 2.794
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.964	- / 4.491	3 / 2.031	- / -	3 / 8.486
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.422	- / 1.446	2 / 1.378	2 / 4.246
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.044	2 / 4.498	2 / 7.542
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	62 / 219.011	62 / 219.011
Total	6 / 12.509	1 / 1.261	- / 2.602	1 / 4.603	- / -	1 / 4.603	2 / 4.661	2 / 4.697	1 / 6.613	3 / 6.521	66 / 224.887	82 / 268.354

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	1	-	-	2	-	-	-	1	-	1	-	2	-	66	82
Out	6	-	-	-	-	1	-	-	-	-	-	-	1	-	-	-	1	1	-	-	2	-	-	-	1	-	1	-	2	66	82

Footnotes:

⁽⁴⁾ Prior to FY03, five (5) AN/SPQ-9B systems were funded under the Mk 86 program (BLI 5110). When BLI 2026 was established, only the install funding for four (4) out of the five (5) prior procurements under 5110 was transferred to this BLI. Non-FMP systems are not included in this installation schedule. FY08 asset procured for use in the DDG program with Congressional Plus-Up Funding and no corresponding

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2026 / SPQ-9B Radar	Modification Number / Title: 1 / BR040 AN/SPQ-9B RADAR FMP EQUIPMENT

installation dollars will now be used for LHD 1 installation. AN/SPQ-9B systems are installed using Alteration Installation Teams (AITs) that require Planning Yard Design Services Allocation (DSA) funds one (1) and two (2) years prior to installation. Advance Planning (AP) funds are required one (1) year prior to installation.

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars						P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0205620N				
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>)	1,443.720	80.060	83.231	79.802	-	79.802	106.533	116.132	152.367	168.394	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,443.720	80.060	83.231	79.802	-	79.802	106.533	116.132	152.367	168.394	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,443.720	80.060	83.231	79.802	-	79.802	106.533	116.132	152.367	168.394	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>)	-	0.111	0.231	0.540	-	0.540	0.300	0.510	0.480	0.420	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 Navy's Strategy is to remain the preeminent maritime power, providing the U.S. a global expeditionary force committed to security and prosperity, while defending the Nation's interests. Within this vision, Anti-Submarine Warfare (ASW) remains a Navy core competency in a dynamic and uncertain maritime environment. U.S. adversaries continue to develop asymmetric capabilities and capacities to deter, disrupt, or delay the entry of U.S. and allied naval forces, and pose a constant challenge as we implement the Maritime Strategy. Evolving submarine technologies offer enhanced stealth, speed, endurance, weapons, and operational proficiency, trends foretelling that the adversary submarine of the future will have a significantly larger sphere of influence, while presenting less vulnerability to ASW forces. The effective offensive engagement range of the adversary submarine of the future will continue to match or outrange individual U.S. and multinational platform sensors and weapons in many tactical environments. Submarines are an increasing threat to all Naval and Allied ships, particularly modern diesel subs and faster torpedoes. Not only can the presence of potential hostile submarines delay naval combatant action until they are located and neutralized, submarines can also disrupt all seaborne logistics supply for any ground campaign as well as maritime commerce. ASW forces must be effective in all operating environments, ranging from the deep open ocean to the littorals, and are key to countering adversarial anti-access and area denial strategies.												
The AN/SQQ-89(V) Surface Ship ASW Combat System provides integrated Undersea Warfare (USW) combat management, fire control, command and control, and on-board training to enable surface combatants to engage USW targets in both open ocean and littoral environments. The AN/SQQ-89(V) is a system comprised of many subsystems, which integrate the helo and its sensors, the ship's own organic sensors, weapons, torpedo detection, and a high fidelity Surface ASW Synthetic Trainer (SAST). The AN/SQQ-89(V) was established as an Acquisition Category (ACAT) I acquisition program in 1983 and re-designated an ACAT IC program in 1990. In 1998, the AN/SQQ-89(V) program was deemed to be 90% complete and removed from the Major Defense Acquisition Program (MDAP) list.												
Variants of the AN/SQQ-89(V) are currently in operation on practically all in-service CG47, DDG51, and FFG7 Class Surface Combatants. The AN/SQQ-89(V) is also programmed for all in-line, new construction DDG51 Class ships under Shipbuilding and Conversion, Navy (SC,N) Budget Line Item (BLI) 2122, while a separate AN/SQQ-90 version is programmed for all in-line, new construction DDG1000 Class ships under SC,N BLI 2119.												
AN/SQQ-89A(V)15 Surface Ship USW Combat System Upgrade - Detailed Description:												
A major upgrade to the AN/SQQ-89(V) legacy system, the AN/SQQ-89A(V)15 upgrade significantly decreases ship vulnerability to torpedo attack, improves surface ship USW shallow water warfighting capability in the littoral, and mitigates Commercial-Off-The-Shelf (COTS) obsolescence and supportability issues. The AN/SQQ-89A(V)15 upgrade was reported as a critical need for surface ASW operations by SECNAV. A Fleet Forces Command (FFC) Urgent Operational Need (UON) report identified the Fleet need for AN/SQQ-89A(V)15 upgrades. The need for the AN/SQQ-89A(V)15 is also articulated in the U.S. Pacific												

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0205620N
Command (PACOM) Integrated Priorities List (IPL); in an Office of the Chief of Naval Operations (OPNAV) funding priorities letter; in a 7th Fleet Bottom Up review report; and in the U.S. Fleet Forces ASW Integrated Priorities Capability List (IPCL).		
The AN/SQQ-89A(V)15 upgrade is programmed for backfit on: Select CG47 Class Baseline 3 and 4 (CG59-73) ships via OP,N BLI 0960 (Cruiser Modernization) and via OP,N BLI 2136 (represented here); DDG51 Class Flight I/II (DDG51-78) ships via OP,N BLI 0900 (DDG Modernization) and OP,N BLI 2136 (represented here); and DDG51 Class Flight IIA and follow (DDG79+) ships via OP,N BLI 2136 (represented here).		
The AN/SQQ-89A(V)15 upgrade, developed under RDT&E,N PE 0205620N, capitalizes on previously fielded AN/SQQ-89(V)15 systems. The AN/SQQ-89A(V)15 is comprised of a tactical towed array sensor, the TB-37 Multi-Function Towed Array (MFTA), and will replace standard, militarized, legacy components with Commercial-Off-The-Shelf (COTS) hardware to provide an ASW combat system with the capability for mid-frequency bistatic and multi-static sonar operations. The AN/SQQ-89A(V)15 features a mid-frequency bistatic hull/towed Sonar Echo Tracker Classifier (ETC); hull/towed Sonar with Acoustic Intercept (ACI) fused data for significantly improved torpedo defense; Handling & Stowage Group (H&SG) for MFTA operation; Torpedo Setting Panel (TSP); passive towed array processing; common sub/surface sensor performance and prediction; common NAVAIR/Surface Light Airborne Multi-Purpose System (LAMPS) processing; portable software; integrated supportability; and on-board training via the SAST. The AN/ SQQ-89A(V)15 will be interoperable with AEGIS Weapons System (AWS) baselines; is Open Architecture (OA) compliant (meeting OA Level 3 requirements); provides significant reductions in weight, space, cooling, and power requirements over legacy AN/SQQ-89(V) systems; is Grade A shock qualified; supports Digital Fire Control Integration (DFCI) capability; and is integrated with the Battle Force Tactical Trainer (BFTT).		
Additionally, to be effective against increasingly stealthy threats in an often ambiguous undersea environment, future sensors must be environmentally adaptive, have very low false alarm rates, and exploit the full range of current and future submarine detection vulnerabilities. Via the Advanced Capability Build (ACB) process under RDT&E,N PE 0205620N (ACB-13, ACB-15, ACB-17, etc.), these types of maturing/ proven USW technologies will be folded into the AN/SQQ-89A(V)15 production and future technology refresh programs.		
The majority of the AN/SQQ-89A(V)15 system equipment is procured via the prime vendor (currently Lockheed Martin, NY and VA, with subcontract to Advanced Acoustic Concepts (AAC), NY and PA), while other Contractor Furnished Equipment (CFE), such as that for the TB-37 MFTA, OK-410 H&SG, SAST, Static Automated Bus Transfer System (SABTS), TSP, Calibrated Reference Hydrophone (CRH) Junction Box, Portable Towed Array Test Set (PTATS), On Board Repair Parts (OBRPs), Maintenance Assist Modules (MAMS), Installation Checkout (INCO) Spares, and Special Tools and Test Equipment (STTE), is procured via other, separate, contract/funding vehicles.		
An average, aggregate AN/SQQ-89A(V)15 shipset unit cost is indicated on the applicable budget exhibits, however, it should be noted that this unit cost is comprised of multiple contract/funding vehicles as mentioned above. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship.		
AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities. Fleet availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.		
[P40A / DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15]: DB400 Cost Elements/Descriptions as Follows:		
[P40A / SYSTEM UPDATES (NON RECURRING ENGINEERING)]: Consists of the NRE efforts associated with the technology refresh/replacement of legacy AN/SQQ-89(V) equipment with updated Commercial-Off-The-Shelf (COTS) processors, including material procurement, fabrication, and integration of Government Furnished Property (GFP), as performed by the prime contractor. Hardware reviews will be conducted on an annual basis to determine if hardware changes are warranted based on Commercial-Off-The-Shelf (COTS) obsolescence and to identify applicable state-of-the-practice hardware components. This line also includes start-up/transition funding required for the AN/SQQ-89(V) prime in the first year of a new production/design agent contract.		
[P40A / MFTA (MULTI-FUNCTION TOWED ARRAY) MAJOR EQUIPMENT]: Procurement of TB-37 MFTA equipment in support of the following: full retrofit on DDG51 Class ships that currently employ pre-production shipset versions; and full module sets required for expeditious replacement in the event of major damage (the TB-37 MFTA component is considered a principle item). The TB-37 MFTA is a key component of the AN/SQQ-89A(V)15 upgrade on Surface Combatants and enables ships to have active bi-statics, Continuous Active Sonar (CAS), adaptive beamforming, passive bellringers, and the use of new		

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0205620N
sensors for advanced torpedo detection. NOTE: FY13 and follow version of the TB-37 MFTA (via new contract award) includes additional equipment needed to accommodate system performance improvements over previous versions (adds Acoustic Intercept end caps, reels, slip ring encoders, etc.).		
[P40A / SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT]: Upgrade of DDG51 Class ships that employ the pre-SAST AN/SQQ-89A(V)15 Advanced Capability Build ACB-09 baseline. The SAST provides a realistic, physics based, high fidelity trainer that will be used both for in-port and at-sea operator training. The SAST is integrated into the AN/SQQ-89A(V)15 and will provide the interface for future upgrades that will include integrated training through the Battleforce Tactical Trainer (BFTT).		
[P40A / CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)]: Consists of a series of at-sea exercises and tests to verify/certify the AN/SQQ-89A(V)15 has been installed properly and can be operated and maintained safely and effectively. CSSQTs follow every AN/SQQ-89A(V)15 installation.		
[P40A / FOT&E (FOLLOW-ON OPERATIONAL TEST & EVALUATION)]: Represents the final independent test of each new increment of the AN/SQQ-89A(V)15 production baseline (i.e. ACB-13, ACB-15, ACB-17, etc.) conducted in support of the Director, Operational Test and Evaluation Title X review and report to the Congress. Follow-On Operational Test & Evaluation events are conducted to ensure each increment meets the operational effectiveness and suitability requirements for each incremental AN/SQQ-89 ACB production baseline, along with its readiness and performance goals. Each test cycle is planned the year after initial ACB baseline fielding to allow time for installation and to verify performance prior to conducting the FOT&E.		
[P40A / EC'S (ENGINEERING CHANGES)]: Consists of Engineering Change Proposals (ECPs) and hardware/software changes/upgrades to previously fielded and in-production AN/SQQ-89A(V)15 systems. Funding will be used to support non-recurring first article test efforts associated with the changing COTS environment as well as Reliability, Maintainability, and Availability (RM&A) modifications requested by the Fleet; correct deficiencies identified through Fleet use; upgrade unreliable components; replace obsolete components; and correct design errors found during testing.		
[P40A / ILS (INTEGRATED LOGISTICS SUPPORT)]: Funding is provided for all ILS planning and coordination elements associated with every AN/SQQ-89A(V)15 modification/procurement/installation, including: configuration management and control of the hardware and software associated with each modification such as Maintenance and Material Management (3M); planned and corrective maintenance procedures and drawings; supporting the procurement of upgrades to Technical Training Equipment (TTE) for shore training sites; changes to maintenance concepts and associated updates to technical documentation, such as technical manuals; development of revisions to both operator and maintenance training materials as part of the initial training curriculum development; revisions to the Navy Training System Plan; initial conduct of instructor training (train-the-trainer) until such time that the training community assumes the responsibility; modifications to supply support related provisioning data and identification of related changes to Allowance Parts Lists (APLs) and Program Support Data (PSD) spares procurement lists; and Packaging, Handling, Storage and Transportation (PHST) support during the procurement, Installation and Checkout (INCO), and testing stages of the AN/SQQ-89A(V)15 to meet evolving capabilities.		
[P40A / FLTASWTRACEN (FLEET ASW TRAINING CENTER)]: Upgrade of AN/SQQ-89A(V)15 training equipment for the Fleet ASW Training Center, San Diego, CA. Training system improvements are a critical factor in achieving warfighter competencies and mission readiness. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines and to implement Fleet prioritized warfighting training improvements to meet evolving capabilities.		
[P40A / AIE (AEGIS INTEGRATION EVENTS)]: Recurring engineering services associated with AN/SQQ-89A(V)15 equipment at the ACSC Wallops Island, VA test facility for interoperability risk reduction analysis purposes, necessary to ensure system compatibility with respective AWS baselines prior to installation.		
[P40A / SSES (SURFACE SHIP ENGINEERING SITE)]: Procurement of AN/SQQ-89A(V)15 equipment for land based sites, including the SSES at the prime vendor's facility, to support production system integration and interoperability testing. Equipment includes simulation hardware, test tools, fabrication and test of mod kits (hardware and operational software), and laboratory equipment. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines.		
[P40A / ACSC (AEGIS COMBAT SYSTEMS CENTER)]: Procurement of AN/SQQ-89A(V)15 equipment for land based sites including the ACSC at Wallops Island, VA, to support production system integration and interoperability testing. Equipment includes simulation hardware, test tools, fabrication and test of mod kits (hardware and operational software), and laboratory equipment. Equipment must be upgraded periodically to ensure continued support of the latest backfit Advanced Capability Build (ACB) and AEGIS Weapon System (AWS) baselines.		
[P40A / DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15]: DB830 Cost Element/Description as Follows:		

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0205620N
[P40A / PRODUCTION ENGINEERING]: Funding is for AN/SQQ-89A(V)15 program In-Service Engineering Agent (ISEA), Software Support Activity (SSA), Acquisition Engineering Agent (AEA), and Technical Design Agent (TDA) efforts in performing the following functions: writing of contracts; review and evaluation of production design data, documentation and Contract Data Requirements Lists (CDRLs); letting of production contract awards; on-site engineering support at the prime integrator's facility; production configuration control and quality assurance (Production Inspection Test (PIT) and Production Reliability Acceptance Test (PRAT)); witnessing of segment/system integration tests and preparation of reports; conduct of first article and factory acceptance tests; collection of performance metrics; generation/assessment of Software Problem Reports (SPRs) and coordination with vendors; value and maintenance engineering; coordination with AEGIS regarding interface definition and ship integration; support safety review and AEGIS Integration Events (AIE); provide plans, procedures and inputs to support Information Assurance (IA) mandates; provide status reports and technical briefings; support meetings with program office; and all other production support efforts directly related to delivery of AN/SQQ-89A(V)15 software and hardware. [P40A / DB900 - CONSULTING SERVICES - SQQ-89A(V)15]: DB900 Cost Element/Description as Follows: [P40A / CONSULTING SERVICES]: Funding to provide assistance in the following areas: program and financial management; system specification validation; production planning; business case and market analyses; vendor cost, schedule, performance, production, and contract deliverable monitoring; installation planning and coordination; Integrated Logistics Support (ILS) asset management, planning, documentation, and coordination; and evaluation of Engineering Change Proposals (ECPs). [P40A / DB984 - SYSTEM TECHNICAL SUPPORT - SIPS]: DB984 Cost Element/Description as Follows: [P40A / SIPS (SCALED IMPROVED PERFORMANCE SONAR)]: Funding is for the technical support of adjunct SIPS system hardware, upgrade of software to incorporate the latest functions and enhancements, and COTS obsolescence resolution/replacement. The SIPS adjunct upgrade on CG47 and DDG51 class ships provide quick, affordable, and measurable near-term active and passive performance enhancements to the existing, legacy AN/SQQ-89(V) Surface USW Combat System (before the major AN/SQQ-89A(V)15 upgrade is fielded). Active and passive improvements include critical improvements to torpedo defense warfighting capabilities (classification and alertment); reduction in high false contact rates and clutter thereby improving USW ability to correctly classify torpedoes; active improvements in operator/tactical employment proficiency; new active waveforms to improve littoral capability; and passive improvements in signal processing. [P3A / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE]: DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on all DDG79-112 Flight IIA ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard. [P3A - 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE]: DB400 PROCUREMENT: Procurement of a subset of AN/SQQ-89A(V)15 equipment, specifically the TB-37 Multi-Function Towed Array (MFTA) and Handling & Stowage Group (H&SG), for subsequent installation on all DDG113 and follow ships during their Post Shakedown Availability (PSA) period to upgrade the ASW sonar suite from an AN/SQQ-89(V)15 configuration to the AN/SQQ-89A(V)15 configuration. DB6IN INSTALLATION: Funding is for the physical installation of the H&SG and TB-37 MFTA on DDG113 and follow ships during their PSA period, which includes the installation of an egress, under-deck stiffeners, cables, bulkheads, opening and closing of the transom, the winch, levelwind, fairlead and control station, decking, painting, and final system testing. [P3A - 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE]: DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on select DDG51-78 FLT I/II ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. NOTE: Procurement of an AN/SQQ-89A(V)15 for DDG51 Class FLT I/II ships does not require the OK-410 Handling & Stowage Group (H&SG) subsystem as needed with DDG51 Class FLT IIA ships. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.		

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars										P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys									

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0205620N
[P3A - 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH]: DB400 PROCUREMENT: Procurement of software/hardware technology upgrades for all CG47/DDG51 Class surface combatant platforms with a previously fielded AN/SQQ-89A(V)15, as necessary to manage obsolescence, take advantage of commercial development efforts, and continue to pace the threat and ensure the system remains effective well into the 21st century. Updating the hardware and software will ensure the Fleet maintains critical Undersea Warfare capability while reducing obsolescence. Establishing a technology refresh program provides a method for rapid response to meet Fleet Anti-Submarine Warfare (ASW) requirements.		
[P3A - 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE]: DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on select CG59-73 Baseline 3/4 ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. NOTE: Procurement of an AN/SQQ-89A(V)15 system for CG47 class ships requires significant additional equipment on top of that required for DDG51 Class FLT IIA ships (TR-343 Transducer Array and change-out of all associated existing power distribution units and transmitters). DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.		

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)
AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM	P-40a		-	-	1,205.535	-	-	28.043	-	-	27.566	-	-	21.098	-	-	-	-	-	21.098
P-3a - 1 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE	P-3a		-	-	238.185	-	-	46.222	-	-	47.053	-	-	26.424	-	-	-	-	-	26.424
P-3a - 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE	P-3a		-	-	0.000	-	-	5.795	-	-	-	-	-	11.934	-	-	-	-	-	11.934
P-3a - 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/ II UPGRADE	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH	P-3a		-	-	0.000	-	-	-	-	-	8.612	-	-	20.346	-	-	-	-	-	20.346
P-3a - 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	1,443.720	-	-	80.060	-	-	83.231	-	-	79.802	-	-	-	-	-	79.802

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)
AN/SQQ-89(V) SURFACE ASW COMBAT SYSTEM	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 02: Communications & Electronics Equip / BSA 2: Ship Sonars										P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:							Other Related Program Elements: 0205620N							
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 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE	P-3a		-	-	24.726	-	-	38.801	-	-	30.426	-	-	27.233	-	-	14.887	-	-	493.957
P-3a - 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE	P-3a		-	-	5.706	-	-	13.762	-	-	12.809	-	-	14.484	Continuing			Continuing		
P-3a - 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/ II UPGRADE	P-3a		-	-	31.391	-	-	4.410	-	-	37.884	-	-	19.986	-	-	19.922	-	-	113.593
P-3a - 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH	P-3a		-	-	23.575	-	-	28.542	-	-	44.412	-	-	63.865	Continuing			Continuing		
P-3a - 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE	P-3a		-	-	-	-	-	10.756	-	-	1.122	-	-	16.905	-	-	7.144	-	-	35.927
Total Gross/Weapon System Cost			-	-	106.533	-	-	116.132	-	-	152.367	-	-	168.394	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.																				
Justification: The OP,N BLI 2136 budget primarily supports the upgrade of legacy, in-service AN/SQQ-89(V) systems to the superior AN/SQQ-89A(V)15 USW Combat System baseline, as well as the fielding of other, near-term adjunct ASW warfighting improvements on surface combatants, such as the Scaled Improved Performance Sonar (SIPS). Additionally, the OP,N BLI 2136 budget will be responsible for periodic technology refresh initiatives in conjunction with previously fielded AN/SQQ-89A(V)15 systems across all CG47 and DDG51 Class platforms (software/hardware technology upgrades/insertions) to pace the threat and remain effective well into the 21st century.																				

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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 / 02 / 2									P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys						Aggregated Items Title: AN/SQQ-89(V) SURFACE ASW COMBAT 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) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15																				
1.1) SYSTEM UPDATES (NON RECURRING ENGINEERING)			-	-	8.726	-	-	1.695	-	-	1.726	-	-	1.732	-	-	-	-	-	1.732
1.2) MFTA (MULTI- FUNCTION TOWED ARRAY) MAJOR EQUIPMENT	A		2,200K	4	8.800	3,295K	2	6.590	3,354K	2	6.709	-	-	-	-	-	-	-	-	-
1.3) SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT			-	-	-	-	-	1.311	-	-	-	-	-	-	-	-	-	-	-	-
1.4) CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)			-	-	13.367	-	-	3.088	-	-	3.144	-	-	4.267	-	-	-	-	-	4.267
1.5) FOT&E (FOLLOW-ON OPERATIONAL TEST & EVALUATION)			-	-	1.314	-	-	1.795	-	-	-	-	-	1.834	-	-	-	-	-	1.834
1.6) EC'S (ENGINEERING CHANGES)			-	-	1,074.842	-	-	1.597	-	-	1.626	-	-	1.631	-	-	-	-	-	1.631
1.7) ILS (INTEGRATED LOGISTICS SUPPORT)			-	-	24.393	-	-	3.015	-	-	3.069	-	-	3.081	-	-	-	-	-	3.081
1.8) FLTASWTRACEN (FLEET ASW TRAINING CENTER)			-	-	1.561	-	-	-	-	-	1.264	-	-	-	-	-	-	-	-	-
1.9) AIE (AEGIS INTEGRATION EVENTS)			-	-	12.859	-	-	1.821	-	-	1.854	-	-	1.860	-	-	-	-	-	1.860
1.10) SSES (SURFACE SHIP ENGINEERING SITE)			-	-	5.745	-	-	-	-	-	3.153	-	-	-	-	-	-	-	-	-
1.11) ACSC (AEGIS COMBAT SYSTEMS CENTER)			-	-	0.662	-	-	1.639	-	-	-	-	-	1.674	-	-	-	-	-	1.674
Subtotal: 1) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15			-	-	1,152.269	-	-	22.551	-	-	22.545	-	-	16.079	-	-	-	-	-	16.079
2) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15																				

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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 / 02 / 2									P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys									Aggregated Items Title: AN/SQQ-89(V) SURFACE ASW COMBAT 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)			
2.1) PRODUCTION ENGINEERING			-	-	31.339	-	-	3.107	-	-	3.163	-	-	3.175	-	-	-	-	-	3.175			
Subtotal: 2) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15			-	-	31.339	-	-	3.107	-	-	3.163	-	-	3.175	-	-	-	-	-	3.175			
3) DB900 - CONSULTING SERVICES - SQQ-89A(V)15																							
3.1) CONSULTING SERVICES			-	-	12.173	-	-	1.365	-	-	1.390	-	-	1.395	-	-	-	-	-	1.395			
Subtotal: 3) DB900 - CONSULTING SERVICES - SQQ-89A(V)15			-	-	12.173	-	-	1.365	-	-	1.390	-	-	1.395	-	-	-	-	-	1.395			
4) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS																							
4.1) SIPS (SCALED IMPROVED PERFORMANCE SONAR)			-	-	9.754	-	-	1.020	-	-	0.468	-	-	0.449	-	-	-	-	-	0.449			
Subtotal: 4) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS			-	-	9.754	-	-	1.020	-	-	0.468	-	-	0.449	-	-	-	-	-	0.449			
Total			-	-	1,205.535	-	-	28.043	-	-	27.566	-	-	21.098	-	-	-	-	-	21.098			

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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 / 02 / 2							P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys								Aggregated Items Title: AN/SQQ-89(V) SURFACE ASW COMBAT 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) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15																				
1.1) SYSTEM UPDATES (NON RECURRING ENGINEERING)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MFTA (MULTI- FUNCTION TOWED ARRAY) MAJOR EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) SAST (SURFACE ASW SYNTHETIC TRAINER) BACKFIT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) CSSQT (COMBAT SYSTEMS SHIP QUALIFICATION TRIALS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) FOT&E (FOLLOW-ON OPERATIONAL TEST & EVALUATION)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) EC'S (ENGINEERING CHANGES)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) ILS (INTEGRATED LOGISTICS SUPPORT)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) FLTASWTRACEN (FLEET ASW TRAINING CENTER)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.9) AIE (AEGIS INTEGRATION EVENTS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.10) SSES (SURFACE SHIP ENGINEERING SITE)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.11) ACSC (AEGIS COMBAT SYSTEMS CENTER)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) DB400 - DDG51 CLASS SYSTEM COMPONENTS - SQQ-89A(V)15			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15																				

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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 / 02 / 2						P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys										Aggregated Items Title: AN/SQQ-89(V) SURFACE ASW COMBAT 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)
2.1) PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) DB830 - PRODUCTION ENGINEERING - SQQ-89A(V)15			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) DB900 - CONSULTING SERVICES - SQQ-89A(V)15																				
3.1) CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) DB900 - CONSULTING SERVICES - SQQ-89A(V)15			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS																				
4.1) SIPS (SCALED IMPROVED PERFORMANCE SONAR)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) DB984 - SYSTEM TECHNICAL SUPPORT - SIPS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 1 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA 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>)	238.185	46.222	47.053	26.424	-	26.424	24.726	38.801	30.426	27.233	14.887	493.957
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	238.185	46.222	47.053	26.424	-	26.424	24.726	38.801	30.426	27.233	14.887	493.957
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	238.185	46.222	47.053	26.424	-	26.424	24.726	38.801	30.426	27.233	14.887	493.957
(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:

[AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE] DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on all DDG79-112 Flight IIA ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.

The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the TB-37 Multi-Function Towed Array (MFTA).

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys					Modification Number / Title: 1 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE				
Models of Systems Affected: Upgrade of legacy AN/SQQ-89(V) systems on all DDG79-112 ships to AN/SQQ-89A(V)15 configuration				Modification Type: Warfighting Capability				Related RDT&E PEs: 0205620N					
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: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE													
B Kits													
Recurring													
1.1) AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE - NonOrganic ⁽¹⁾		20 / 169.533	3 / 31.084	3 / 31.642	1 / 10.736	- / -	1 / 10.736	1 / 10.931	3 / 33.382	2 / 22.654	1 / 11.532	- / -	34 / 321.494
Subtotal: Recurring		- / 169.533	- / 31.084	- / 31.642	- / 10.736	- / -	- / 10.736	- / 10.931	- / 33.382	- / 22.654	- / 11.532	- / -	- / 321.494
Subtotal: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE		20 / 169.533	3 / 31.084	3 / 31.642	1 / 10.736	- / -	1 / 10.736	1 / 10.931	3 / 33.382	2 / 22.654	1 / 11.532	- / -	34 / 321.494
Subtotal: Procurement, All Modification Items		- / 169.533	- / 31.084	- / 31.642	- / 10.736	- / -	- / 10.736	- / 10.931	- / 33.382	- / 22.654	- / 11.532	- / -	- / 321.494
Installation													
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE		- / 68.652	- / 15.138	- / 15.411	- / 15.688	- / -	- / 15.688	- / 13.795	- / 5.419	- / 7.772	- / 15.701	- / 14.887	- / 172.463
Subtotal: Installation		- / 68.652	- / 15.138	- / 15.411	- / 15.688	- / -	- / 15.688	- / 13.795	- / 5.419	- / 7.772	- / 15.701	- / 14.887	- / 172.463
Total													
Total Cost (Procurement + Support + Installation)		238.185	46.222	47.053	26.424	-	26.424	24.726	38.801	30.426	27.233	14.887	493.957

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2					P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys					Modification Number / Title: 1 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE			
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Lockheed Martin							Manufacturer Location: >Syracuse, NY						
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	Sep 2013												
Delivery Dates	Feb 2015												
Manufacturer Name: Lockheed Martin ⁽²⁾							Manufacturer Location: >Manassas, VA						
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		Mar 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018							
Delivery Dates		Sep 2015	Jul 2016	Jul 2017	Jul 2018	Jul 2019							
Installation Information													
Method of Implementation: AIT and SHIPYARD : Installation Name: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA 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	14 / 68.652	3 / 15.138	3 / 12.262	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 96.052	
FY 2013	- / -	- / -	- / 3.149	3 / 12.483	- / -	3 / 12.483	- / -	- / -	- / -	- / -	- / -	3 / 15.632	
FY 2014	- / -	- / -	- / -	- / 3.205	- / -	- / 3.205	3 / 12.707	- / -	- / -	- / -	- / -	3 / 15.912	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.088	1 / 4.312	- / -	- / -	- / -	1 / 5.400	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.107	1 / 4.390	- / -	- / -	1 / 5.497	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.382	3 / 13.406	- / -	3 / 16.788	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.295	2 / 9.088	2 / 11.383	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.799	1 / 5.799	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	14 / 68.652	3 / 15.138	3 / 15.411	3 / 15.688	- / -	3 / 15.688	3 / 13.795	1 / 5.419	1 / 7.772	3 / 15.701	3 / 14.887	34 / 172.463	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 1 / AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE

Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT and SHIPYARD : Installation Name: AN/SQQ-89A(V)15 - DDG79-112 FLT IIA UPGRADE

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	14	-	2	1	-	-	1	2	-	-	1	2	-	1	2	-	-	-	1	-	-	-	1	-	-	1	2	-	-	3	34
Out	14	-	-	2	1	-	-	1	2	-	-	2	1	-	1	2	-	-	-	1	-	-	-	1	-	-	1	2	-	3	34

Footnotes:

(1) The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities, hull access cuts, and installation of the Handling & Stowage Gear (H&SG) on non-tailed (i.e. no towed array) DDG51 Class Flight IIA hulls, which is required for the operation of the new tactical towed sonar, the TB-37 Multi-Function Towed Array (MFTA). AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

(2) Production leadtime is 18 months after contract award. Each subsequent system procured in an FY is delivered ONE MONTH LATER than the previous system. The majority of AN/SQQ-89A(V)15 equipment is procured via the prime vendor shown, with other supporting Contractor Furnished Equipment (CFE) procured via other, separate, contract/funding vehicles.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys				Modification Number / Title: 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER 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>)	0.000	5.795	-	11.934	-	11.934	5.706	13.762	12.809	14.484	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	5.795	-	11.934	-	11.934	5.706	13.762	12.809	14.484	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	5.795	-	11.934	-	11.934	5.706	13.762	12.809	14.484	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:

[AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE] DB400 PROCUREMENT: Procurement of a subset of AN/SQQ-89A(V)15 equipment, specifically the TB-37 Multi-Function Towed Array (MFTA) and Handling & Stowage Group (H&SG), for subsequent installation on all DDG113 and follow ships during their Post Shakedown Availability (PSA) period to upgrade the ASW sonar suite from an AN/SQQ-89(V)15 configuration to the AN/SQQ-89A(V)15 configuration. DB6IN INSTALLATION: Funding is for the physical installation of the H&SG and TB-37 MFTA on DDG113 and follow ships during their PSA period, which includes the installation of an egress, under-deck stiffeners, cables, bulkheads, opening and closing of the transom, the winch, levelwind, fairlead and control station, decking, painting, and final system testing.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys						Modification Number / Title: 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE			
Models of Systems Affected: Upgrade of in-line AN/SQQ-89(V)15 on all DDG113 and follow ships to AN/SQQ-89A(V)15 configuration				Modification Type: Warfighting Capability				Related RDT&E PEs: 0205620N					
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: AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE													
B Kits													
Recurring													
1.1) AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE - NonOrganic	- / -	1 / 5.795	- / -	2 / 10.382	- / -	2 / 10.382	1 / 5.285	2 / 10.759	2 / 10.953	2 / 11.150	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 0.000	- / 5.795	- / -	- / 10.382	- / -	- / 10.382	- / 5.285	- / 10.759	- / 10.953	- / 11.150	Continuing	Continuing	
<i>Subtotal: AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE</i>	- / -	1 / 5.795	- / -	2 / 10.382	- / -	2 / 10.382	1 / 5.285	2 / 10.759	2 / 10.953	2 / 11.150	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 5.795	- / -	- / 10.382	- / -	- / 10.382	- / 5.285	- / 10.759	- / 10.953	- / 11.150	Continuing	Continuing	
Installation													
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE	- / 0.000	- / -	- / -	- / 1.552	- / -	- / 1.552	- / 0.421	- / 3.003	- / 1.856	- / 3.334	- / 6.388	- / 16.554	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 1.552	- / -	- / 1.552	- / 0.421	- / 3.003	- / 1.856	- / 3.334	- / 6.388	- / 16.554	
Total													
Total Cost (Procurement + Support + Installation)	0.000	5.795	-	11.934	-	11.934	5.706	13.762	12.809	14.484	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys										Modification Number / Title: 2 / AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE												
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER UPGRADE																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Lockheed Martin ⁽³⁾														Manufacturer Location: >Syracuse, NY																		
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		Sep 2013								Jan 2015				Jan 2016				Jan 2017				Jan 2018				Jan 2019						
Delivery Dates		Mar 2015								Jul 2016				Jul 2017				Jul 2018				Jul 2019				Jul 2020						
Installation Information																																
Method of Implementation: AIT and SHIPYARD : Installation Name: AN/SQQ-89A(V)15 - DDG113 AND FOLLOW MFTA/HANDLER 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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2013		- / -		- / -		- / -		1 / 1.552		- / -		1 / 1.552		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.552						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.421		2 / 2.788		- / -		- / -		- / -		- / -		2 / 3.209						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.215		1 / 1.419		- / -		- / -		- / -		1 / 1.634						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.437		2 / 2.889		- / -		- / -		2 / 3.326						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.445		2 / 2.941		- / -		2 / 3.386						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.447		- / -		2 / 3.447						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		- / -		- / -		1 / 1.552		- / -		1 / 1.552		- / 0.421		2 / 3.003		1 / 1.856		2 / 3.334		4 / 6.388		10 / 16.554								
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	1	-	-	1	-	-	-	1	1	-	-	4	10
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	1	-	-	1	-	-	-	1	1	-	-	4	10
Footnotes: ⁽³⁾ Production leadtime is 18 months after contract award. Each subsequent system procured in an FY is delivered ONE MONTH LATER than the previous system. The majority of AN/SQQ-89A(V)15 equipment is procured via the prime vendor shown, with other supporting Contractor Furnished Equipment (CFE) procured via other, separate, contract/funding vehicles.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II 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>)	0.000	-	-	-	-	-	31.391	4.410	37.884	19.986	19.922	113.593
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	31.391	4.410	37.884	19.986	19.922	113.593
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	31.391	4.410	37.884	19.986	19.922	113.593
(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:

[AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE] DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on select DDG51-78 FLT I/II ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. NOTE: Procurement of an AN/SQQ-89A(V)15 for DDG51 Class FLT I/II ships does not require the OK-410 Handling & Stowage Group (H&SG) subsystem as needed with DDG51 Class FLT IIA ships. DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.

The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities and hull access cuts.

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys						Modification Number / Title: 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE			
Models of Systems Affected: Upgrade of legacy AN/SQQ-89(V) systems on select DDG51-78 ships to AN/SQQ-89A(V)15 configuration				Modification Type: Warfighting Capability				Related RDT&E PEs: 0205620N					
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: AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE													
B Kits													
Recurring													
1.1) AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE - NonOrganic ⁽⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	4 / 31.391	- / -	3 / 24.398	2 / 16.558	- / -	9 / 72.347	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 31.391	- / -	- / 24.398	- / 16.558	- / -	- / 72.347	
Subtotal: AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE	- / -	- / -	- / -	- / -	- / -	- / -	4 / 31.391	- / -	3 / 24.398	2 / 16.558	- / -	9 / 72.347	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 31.391	- / -	- / 24.398	- / 16.558	- / -	- / 72.347	
Installation													
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.410	- / 13.486	- / 3.428	- / 19.922	- / 41.246	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.410	- / 13.486	- / 3.428	- / 19.922	- / 41.246	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	31.391	4.410	37.884	19.986	19.922	113.593	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys										Modification Number / Title: 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE											
Modification Item 1 of 1: AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽⁵⁾													Manufacturer Location: >Manassas, VA																		
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											Jan 2016						Jan 2018			Jan 2019											
Delivery Dates											Jul 2017						Jul 2019			Jul 2020											
Installation Information																															
Method of Implementation: AIT and SHIPYARD : Installation Name: AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II 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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.410	4 / 13.486	- / -	- / -	4 / 17.896																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.428	3 / 10.482	3 / 13.910																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.440	2 / 9.440																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.410	4 / 13.486	- / 3.428	5 / 19.922	9 / 41.246																		
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	1	-	-	-	-	-	5	9
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	1	-	-	-	-	5	9
Footnotes:																															
⁽⁴⁾ The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities and hull access cuts. AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 3 / AN/SQQ-89A(V)15 - DDG51-78 (SELECT) FLT I/II UPGRADE
in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule. ⁽⁵⁾ Production leadtime is 18 months after contract award. Each subsequent system procured in an FY is delivered ONE MONTH LATER than the previous system. The majority of AN/SQQ-89A(V)15 equipment is procured via the prime vendor shown, with other supporting Contractor Furnished Equipment (CFE) procured via other, separate, contract/funding vehicles.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys				Modification Number / Title: 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/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	-	8.612	20.346	-	20.346	23.575	28.542	44.412	63.865	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	8.612	20.346	-	20.346	23.575	28.542	44.412	63.865	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	8.612	20.346	-	20.346	23.575	28.542	44.412	63.865	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:

[AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH] DB400 PROCUREMENT: Procurement of software/hardware technology upgrades for all CG47/DDG51 Class surface combatant platforms with a previously fielded AN/SQQ-89A(V)15, as necessary to manage obsolescence, take advantage of commercial development efforts, and continue to pace the threat and ensure the system remains effective well into the 21st century. Updating the hardware and software will ensure the Fleet maintains critical Undersea Warfare capability while reducing obsolescence. Establishing a technology refresh program provides a method for rapid response to meet Fleet Anti-Submarine Warfare (ASW) requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys						Modification Number / Title: 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH			
Models of Systems Affected: Technology refresh of previously fielded AN/SQQ-89A(V)15 USW Combat Systems				Modification Type: Warfighting Capability				Related RDT&E PEs: 0205620N					
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: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH													
B Kits													
Recurring													
1.1) AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/ REFRESH - NonOrganic	- / -	- / -	2 / 8.612	4 / 17.534	- / -	4 / 17.534	4 / 17.850	5 / 22.714	8 / 36.996	11 / 51.785	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / 8.612	- / 17.534	- / -	- / 17.534	- / 17.850	- / 22.714	- / 36.996	- / 51.785	Continuing	Continuing	
<i>Subtotal: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH</i>	- / -	- / -	2 / 8.612	4 / 17.534	- / -	4 / 17.534	4 / 17.850	5 / 22.714	8 / 36.996	11 / 51.785	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 8.612	- / 17.534	- / -	- / 17.534	- / 17.850	- / 22.714	- / 36.996	- / 51.785	Continuing	Continuing	
Installation													
Modification Item 1 of 1: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH	- / 0.000	- / -	- / -	- / 2.812	- / -	- / 2.812	- / 5.725	- / 5.828	- / 7.416	- / 12.080	- / 16.909	- / 50.770	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 2.812	- / -	- / 2.812	- / 5.725	- / 5.828	- / 7.416	- / 12.080	- / 16.909	- / 50.770	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	8.612	20.346	-	20.346	23.575	28.542	44.412	63.865	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2					P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys					Modification Number / Title: 4 / AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH																					
Modification Item 1 of 1: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/REFRESH																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin							Manufacturer Location: >Manassas, VA																								
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		Mar 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018																									
Delivery Dates		Dec 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018																									
Installation Information																															
Method of Implementation: AIT : Installation Name: AN/SQQ-89A(V)15 - TECHNOLOGY INSERTION/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	- / -	- / -	- / -	2 / 2.812	- / -	2 / 2.812	- / -	- / -	- / -	- / -	- / -	2 / 2.812																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.725	- / -	- / -	- / -	- / -	4 / 5.725																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.828	- / -	- / -	- / -	4 / 5.828																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 7.416	- / -	- / -	5 / 7.416																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 12.080	- / -	8 / 12.080																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 16.909	11 / 16.909																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	2 / 2.812	- / -	2 / 2.812	4 / 5.725	4 / 5.828	5 / 7.416	8 / 12.080	11 / 16.909	34 / 50.770																			
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	1	-	1	2	1	-	2	2	1	-	2	3	3	-	11	34
Out	-	-	-	-	-	-	-	-	-	-	1	1	-	1	2	1	-	1	2	1	-	2	2	1	-	2	3	3	-	11	34

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 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>)	0.000	-	-	-	-	-	-	10.756	1.122	16.905	7.144	35.927
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	10.756	1.122	16.905	7.144	35.927
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	10.756	1.122	16.905	7.144	35.927
<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:

[AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE] DB400 PROCUREMENT: Procurement of AN/SQQ-89A(V)15 equipment for subsequent installation on select CG59-73 Baseline 3/4 ships. An average, aggregate AN/SQQ-89A(V)15 unit cost is indicated, however, it should be noted that this cost is comprised of multiple contract/funding vehicles. Additionally, the subdivision of these unit costs to a specific ship can vary substantially as they are dependent on the pre-existing configuration of each ship. NOTE: Procurement of an AN/SQQ-89A(V)15 system for CG47 class ships requires significant additional equipment on top of that required for DDG51 Class FLT IIA ships (TR-343 Transducer Array and change-out of all associated existing power distribution units and transmitters). DB6IN INSTALLATION: Funding is for the full-up physical installation of the major AN/SQQ-89A(V)15 upgrade, the ordering of incidental installation material in the year prior to the actual installation, and Design Services Allocation (DSA) required for mandatory planning yard design tasks and ship checks that must be completed within the one year period leading up to the actual installation in the shipyard.

The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities and hull access cuts.

AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys					Modification Number / Title: 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE				
Models of Systems Affected: Upgrade of legacy AN/ SQQ-89(V) systems on select CG59-73 ships to AN/ SQQ-89A(V)15 configuration				Modification Type: Warfighting Capability					Related RDT&E PEs: 0205620N				
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: AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE													
B Kits													
Recurring													
1.1) AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE - NonOrganic ⁽⁶⁾		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.756	- / -	1 / 11.147	- / -	2 / 21.903
Subtotal: Recurring		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.756	- / -	- / 11.147	- / -	- / 21.903
Subtotal: AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.756	- / -	1 / 11.147	- / -	2 / 21.903
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.756	- / -	- / 11.147	- / -	- / 21.903
Installation													
Modification Item 1 of 1: AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.122	- / 5.758	- / 7.144	- / 14.024
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.122	- / 5.758	- / 7.144	- / 14.024
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	-	-	-	-	10.756	1.122	16.905	7.144	35.927

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys										Modification Number / Title: 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE											
Modification Item 1 of 1: AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin ⁽⁷⁾													Manufacturer Location: >Manassas, VA																		
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														Jan 2017						Jan 2019											
Delivery Dates														Jul 2018						Jul 2020											
Installation Information																															
Method of Implementation: AIT and SHIPYARD : Installation Name: AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.122	1 / 5.758	- / -	1 / 6.880																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.144	1 / 7.144																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.122	1 / 5.758	1 / 7.144	2 / 14.024																		
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:																															
⁽⁶⁾ The AN/SQQ-89A(V)15 requires a CNO (Chief of Naval Operations) availability period. The installation is accomplished by Alteration Installation Team (AIT) and shipyard personnel together. The AIT personnel are responsible for the removal of all AN/SQQ-89(V) legacy equipment, addition and modification of foundations, and installation, connectorization, and test of all new AN/SQQ-89A(V)15 equipment. The shipyard personnel are responsible for all rigging activities and hull access cuts. AN/SQQ-89A(V)15 production shipset delivery time is 18 months after contract award. Each subsequent system procured																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2136 / AN/SQQ-89 Surf ASW Cmbt Sys	Modification Number / Title: 5 / AN/SQQ-89A(V)15 - CG59-73 (SELECT) B/L 3/4 UPGRADE

in an FY is delivered one month later than the previous system. Delivery of equipment to the shipyard is required no later than 30-90 days prior to a CONUS (Continental U.S.) installation start date and no later than 120 days prior to a non-CONUS installation start date. Installations are assigned to specific ships as per Fleet priorities/requirements, and based on ship availabilities, as identified in the Fleet Modernization Program Management Information System (FMPMIS). Significant maintenance availability periods to support a major upgrade such as the AN/SQQ-89A(V)15 normally occur only once every two years in a ship's schedule.

⁽⁷⁾ Production leadtime is 18 months after contract award. Each subsequent system procured in an FY is delivered ONE MONTH LATER than the previous system. The majority of AN/SQQ-89A(V)15 equipment is procured via the prime vendor shown, with other supporting Contractor Furnished Equipment (CFE) procured via other, separate, contract/funding vehicles.

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars							P-1 Line Item Number / Title: 2147 / SSN Acoustics					
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>)	1,436.599	174.921	175.852	165.655	-	165.655	276.914	266.627	348.780	376.741	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,436.599	174.921	175.852	165.655	-	165.655	276.914	266.627	348.780	376.741	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,436.599	174.921	175.852	165.655	-	165.655	276.914	266.627	348.780	376.741	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>)	-	7.895	15.032	10.713	-	10.713	17.779	9.506	16.574	13.424	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:												
A. MISSION DESCRIPTION AND BUDGET ITEM JUSTIFICATION: This program procures submarine systems and equipment for installation on all classes of submarines to maintain clear acoustical, tactical, and operational superiority over submarine and surface combatants in all scenarios through detection, classification, localization, and contact following. All future acoustic upgrades of Acoustic Rapid COTS Insertion (A-RCI) equipment are incorporated into this budget item. Future procurements, detailed below, are focused on supporting Littoral Warfare, Regional Sea Denial, Strike Group Support, Diesel Submarine Detection, Surveillance, and Peacetime Engagement. Acoustic Rapid COTS Insertion (A-RCI) is a multi-phased, evolutionary development effort geared toward addressing acoustic superiority issues through the rapid introduction of interim products applicable to SSN 688, 688I Flight, SSN21, SSGN, VA Class, and SSBN 726 Class Submarines. A-RCI Phase II provided towed array processing improvements; A-RCI Phase III provides spherical array processing improvements, and AN/BSY-1 High Frequency Upgrade provides A-RCI Phase IV for SSN 688I, SSGN, and Seawolf Class only. As part of Navy's plan to maintain acoustic superiority for in-service submarines, reduce obsolescence, and provide increased capability, the A-RCI program will modernize and sustain approximately 25% of the SSN Fleet per year through executing annual software Advanced Processing Builds (APBs) and bi-annual hardware Technical Insertions (TIs) and SSBN conversions. This effort, known as the N97 Business Plan, funds the APB integration efforts with the Multi-Purpose Processor as well as the AN/BQQ-10 Sonar system that began in FY02. This budget also reflects the procurement of Technology Insertion kits, Total Ship Monitoring System (TSMS), Active Intercept and Ranging (AI&R) Sensors, and upgrades for the AN/BQS-15 and AN/BQS-17A equipment to be installed with A-RCI systems.												
Towed system procurements include Towed Array Refurbishment & Upgrades, TB-16, TB-29A, TB-29X, Reliability upgrades, TB-34/TB-34X Fatline Towed Arrays, and Thinline Towed Array Handler upgrades. Towed System procurements provide upgrade/support for TB-16 Series Towed Arrays, TB-29 Series Towed Arrays, OK-276 Series Towed Array Handlers, OK-634 Towed Array Handlers, and OA-9070 Series Handlers installed on SSN688, SSN 688I, SSN21, SSGN, VA Class, and SSBN 726 Class Submarines. These upgrades provide increased sensor capability to maintain acoustic superiority and reliability improvements to increase the service life, reduce failures, and increase the inventory of arrays and handlers available for fleet use. Improvements are made to monitor handler and array forces which are incorporated into engineering changes to improve reliability.												
Procurement of Low Cost Conformal Array (LCCA) to provide enhanced situational awareness and collision avoidance capability. VA Unique Sensors required to sustain existing hull sensor systems for the VA platforms under the management of the Critical Transducer Program.												
Sensor system procurements provide improvements in sensor capability and reliability to include TB-16G, TB-29A/TB-29X Thinline Towed Arrays, TB-34/TB-34X Fatline Towed Arrays, Handler upgrade kits for the new sensors, and next generation Towed Arrays and Telemetries. Refurbishment and reliability improvements are also provided for the in-service sensor programs.												
Installation funds are for actual hardware installations during shipyard and pier-side availabilities. Procurements support a 12-15 month lead time for 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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2147 / SSN Acoustics
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements:
[P40A / SA102 TOWED SYSTEMS]: Procures TB-34X Fatline and TB-29X Thinline Arrays, and funds refurbishment/upgrade material to support reliability improvements to TB-16, TB-23, TB-29 Towed Arrays, next generation Towed Arrays and Telemetries, and Towed Array Handling Systems. Handling System reliability improvements include: improved cables in the outboard systems, Electromagnetic Interference (EMI) improvements, roller boxes, improved hydraulic control, and capstans. Towed Array reliability improvements include: improved internal connectors, hydrophones, tow cables, and Vibration Isolation Modules (VIMs). Towed Array improvements to increase performance include: Light Weight Tow Cables for Towed Arrays and Wide-band OMNI capability in Fat Line Arrays. The TB-29A program supports N8's response to the Fleet Forces Command's Urgent Operational Needs Statement message (dtd 15 June 2009) which states that a reliable Thinline Towed Array is critically needed to support submarine operations in the Western Pacific Area of Operations. [P40A / SA105 SONAR SUPPORT EQUIPMENT]: Funds provided to procure BQN-17(A) and associated equipment. [P40A / SA106 HULL SENSORS]: Procurement of Low Cost Conformal Array (LCCA) and VA Unique Sensors required to sustain existing hull sensor systems for the VA platforms under the management of the Critical Transducer Program. [P40A / SA201 BLOCK CHANGES]: Minor Engineering Change Proposals (ECP's) and hardware changes affecting all classes of submarines are procured through this line. Funding will be used to support non-recurring first article test efforts associated with the changing COTS environment as well as Reliability, Maintainability, and Availability modifications requested by the Fleet. This line also supports the procurement of hardware necessary to implement the ECP's into the System or end item being procured. [P40A / SA202 PRODUCTION/ENGINEERING SUPPORT]: Funding supports the procurement of Acoustics Upgrades equipment and Towed System hardware. [P40A / SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT]: Funding procures various towed array test equipment and handling system/stowage tube inspection test equipment. [P40A / SA302 OP TRAINER UPGRADES]: Funding procures hardware upgrades and production engineering for Acoustic Upgrades operational trainer sites. [P40A / SA303 COTS SUPPORTABILITY UPGRADES]: Provides for Technology Refresh/Insertion for A-RCI kits. Tech Refresh provides for Software and Hardware updates to accommodate shifts in technology to the execution procurement years' "current state-of-the-practice" hardware. A-RCI has already undergone several technology insertion phases to accommodate integrating Advanced Processing Builds (APBs). Updates are necessary for signal and display processing hardware as APBs are introduced or as commercial support for the hardware is phased out. Tech Insertion procures the hardware necessary to upgrade and back fit the A-RCI kits. When A-RCI systems are being upgraded to subsequent phases of A-RCI, signal processing and display hardware will be procured from this line to accommodate common technology consistent with the APB being implemented in the year of introduction. In future years, requirements include additional equipment in technology insertion to prevent COTS hardware from becoming unsupportable/obsolete. Funding also supports the procurement and engineering for COTS Underwater Comms. [P40A / SA401 INITIAL TRAINING]: Provides for initial training curriculum development, training management materials, exercise control group development, pilot services, and services to the Fleet. [P40A / SA900 CONSULTING SERVICES]: Includes specification validation, contract deliverable monitoring, prime contractor monitoring for cost, schedule, and performance slips, ILS planning, and coordination of GFI. Additional support will include production planning, business case analysis, technical refresh and insertion planning and market analysis to review implementation strategies for procurement of current year "state of the practice" hardware in Acoustics programs. Consulting services will also provide production monitoring, installation planning and coordination support.		

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars									P-1 Line Item Number / Title: 2147 / SSN Acoustics											
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)
SSN Acoustics	P-40a		-	-	617.297	-	-	94.529	-	-	93.471	-	-	84.401	-	-	-	-	-	84.401
P-3a - 1 / SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT	P-3a		-	-	8.500	-	-	4.080	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS	P-3a		-	-	128.980	-	-	1.911	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	P-3a		-	-	60.611	-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT	P-3a		-	-	114.903	-	-	3.607	-	-	2.272	-	-	1.243	-	-	-	-	-	1.243
P-3a - 5 / SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS	P-3a		-	-	70.580	-	-	13.704	-	-	12.265	-	-	12.472	-	-	-	-	-	12.472
P-3a - 6 / SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	P-3a		-	-	348.781	-	-	25.052	-	-	4.182	-	-	-	-	-	-	-	-	-
P-3a - 7 / SA303 688/688I TECHNOLOGY INSERTION KITS	P-3a		-	-	0.000	-	-	-	-	-	44.526	-	-	42.814	-	-	-	-	-	42.814
P-3a - 8 / SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS	P-3a		-	-	8.000	-	-	3.060	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 11 / SA303 SSBN CONVERSION	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 9 / SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS	P-3a		-	-	78.947	-	-	28.478	-	-	19.136	-	-	16.310	-	-	-	-	-	16.310
P-3a - 10 / SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	8.415	-	-	-	-	-	8.415
Total Gross/Weapon System Cost			-	-	1,436.599	-	-	174.921	-	-	175.852	-	-	165.655	-	-	-	-	-	165.655

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars										P-1 Line Item Number / Title: 2147 / SSN Acoustics										
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)
SSN Acoustics	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT	P-3a		-	-	5.944	-	-	2.182	-	-	-	-	-	-	-	-	-	-	-	20.706
P-3a - 2 / SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	130.891
P-3a - 3 / SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61.111
P-3a - 4 / SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	122.025
P-3a - 5 / SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS	P-3a		-	-	12.686	-	-	12.902	-	-	22.666	-	-	31.607	Continuing			Continuing		
P-3a - 6 / SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	378.015
P-3a - 7 / SA303 688/688I TECHNOLOGY INSERTION KITS	P-3a		-	-	77.106	-	-	52.808	-	-	102.944	-	-	115.162	Continuing			Continuing		
P-3a - 8 / SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS	P-3a		-	-	17.116	-	-	15.250	-	-	3.329	-	-	-	Continuing			Continuing		
P-3a - 11 / SA303 SSBN CONVERSION	P-3a		-	-	10.336	-	-	18.716	-	-	24.410	-	-	34.578	Continuing			Continuing		
P-3a - 9 / SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS	P-3a		-	-	3.218	-	-	-	-	-	13.827	-	-	3.392	Continuing			Continuing		
P-3a - 10 / SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS	P-3a		-	-	28.892	-	-	44.635	-	-	31.019	-	-	33.844	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	276.914	-	-	266.627	-	-	348.780	-	-	376.741	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 / 02 / 2									P-1 Line Item Number / Title: 2147 / SSN Acoustics							Aggregated Items Title: SSN Acoustics ⁽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) SA102 TOWED SYSTEMS																					
1.1) TB-34 FATLINE INTERFACE HWD	B		29,125.00	40	1.165	17,000.00	11	0.187	17,000.00	11	0.187	17,000.00	9	0.153	-	-	-	17,000.00	9	0.153	
1.2) TB-34 FATLINE TOWED ARRAYS	B		1,173K	40	46.933	757,000.00	5	3.785	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) TB-34X FATLINE TOWED ARRAYS ⁽²⁾	B		-	-	-	-	-	-	5,925K	1	5.925	1,200K	3	3.600	-	-	-	1,200K	3	3.600	
1.4) TB-29X THIN LINE TOWED ARRAYS	B		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) TOWED ARRAY REFURBISHMENT & UPGRADES	A		-	-	198.346	-	-	29.531	-	-	25.444	-	-	22.684	-	-	-	-	-	22.684	
1.6) TOWED ARRAY HANDLER SYSTEM UPGRADE	A		-	-	59.310	-	-	6.588	-	-	7.002	-	-	7.121	-	-	-	-	-	7.121	
Subtotal: 1) SA102 TOWED SYSTEMS			-	-	305.754	-	-	40.091	-	-	38.558	-	-	33.558	-	-	-	-	-	33.558	
2) SA105 SONAR SUPPORT EQUIPMENT																					
2.1) BQN-17	A		-	-	5.612	-	-	0.825	-	-	0.839	-	-	0.853	-	-	-	-	-	0.853	
Subtotal: 2) SA105 SONAR SUPPORT EQUIPMENT			-	-	5.612	-	-	0.825	-	-	0.839	-	-	0.853	-	-	-	-	-	0.853	
3) SA106 HULL SENSORS																					
3.1) VA UNIQUE SENSOR	A		-	-	10.011	-	-	6.476	-	-	5.113	-	-	6.333	-	-	-	-	-	6.333	
Subtotal: 3) SA106 HULL SENSORS			-	-	10.011	-	-	6.476	-	-	5.113	-	-	6.333	-	-	-	-	-	6.333	
4) SA201 BLOCK CHANGES																					
4.1) SSEP	A		-	-	2.606	-	-	0.413	-	-	0.420	-	-	0.427	-	-	-	-	-	0.427	
4.2) TOWED SYSTEMS ECP'S	A		-	-	10.204	-	-	1.582	-	-	1.609	-	-	1.636	-	-	-	-	-	1.636	
4.3) ACOUSTICS	A		-	-	15.523	-	-	2.396	-	-	2.437	-	-	2.478	-	-	-	-	-	2.478	
Subtotal: 4) SA201 BLOCK CHANGES			-	-	28.333	-	-	4.391	-	-	4.466	-	-	4.541	-	-	-	-	-	4.541	
5) SA202 PRODUCTION/ENGINEERING SUPPORT																					
5.1) ACOUSTICS	A		-	-	19.086	-	-	2.945	-	-	2.995	-	-	3.046	-	-	-	-	-	3.046	
5.2) TOWED ARRAYS/HANDLING EQUIPMENT	A		-	-	24.780	-	-	3.858	-	-	3.924	-	-	2.991	-	-	-	-	-	2.991	
Subtotal: 5) SA202 PRODUCTION/ENGINEERING SUPPORT			-	-	43.866	-	-	6.803	-	-	6.919	-	-	6.037	-	-	-	-	-	6.037	

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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 / 02 / 2						P-1 Line Item Number / Title: 2147 / SSN Acoustics						Aggregated Items Title: SSN Acoustics ⁽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)
6) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT																				
6.1) TOWED ARRAY UNIQUE TEST EQUIPMENT	A		-	-	13.911	-	-	1.170	-	-	1.190	-	-	1.210	-	-	-	-	-	1.210
Subtotal: 6) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT			-	-	13.911	-	-	1.170	-	-	1.190	-	-	1.210	-	-	-	-	-	1.210
7) SA302 OP TRAINER UPGRADES																				
7.1) OP TRAINER GFE	A		-	-	7.016	-	-	1.033	-	-	1.051	-	-	1.069	-	-	-	-	-	1.069
Subtotal: 7) SA302 OP TRAINER UPGRADES			-	-	7.016	-	-	1.033	-	-	1.051	-	-	1.069	-	-	-	-	-	1.069
8) SA303 COTS SUPPORTABILITY UPGRADES																				
8.1) INSTALL SUPPORT	A		-	-	1.400	-	-	1.426	-	-	1.450	-	-	1.475	-	-	-	-	-	1.475
8.2) AEMP	A		-	-	37.080	-	-	5.166	-	-	5.254	-	-	5.344	-	-	-	-	-	5.344
8.3) COTS UWC ENGINEERING SUPPORT	A		-	-	13.608	-	-	4.668	-	-	4.747	-	-	0.828	-	-	-	-	-	0.828
8.4) COTS TECH INSERTION	A		-	-	117.348	-	-	18.141	-	-	19.521	-	-	18.763	-	-	-	-	-	18.763
8.5) SHIPYARD INSTALLATION INDUSTRIAL SUPPORT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) SA303 COTS SUPPORTABILITY UPGRADES			-	-	169.436	-	-	29.401	-	-	30.972	-	-	26.410	-	-	-	-	-	26.410
9) SA401 INITIAL TRAINING																				
9.1) ACOUSTICS	A		-	-	9.580	-	-	1.653	-	-	1.681	-	-	1.708	-	-	-	-	-	1.708
9.2) TOWED ARRAY	A		-	-	3.945	-	-	0.621	-	-	0.632	-	-	0.642	-	-	-	-	-	0.642
Subtotal: 9) SA401 INITIAL TRAINING			-	-	13.525	-	-	2.274	-	-	2.313	-	-	2.350	-	-	-	-	-	2.350
10) SA900 CONSULTING SERVICES																				
10.1) ACOUSTICS	A		-	-	12.357	-	-	1.380	-	-	1.370	-	-	1.364	-	-	-	-	-	1.364
10.2) TOWED SYSTEMS	A		-	-	7.476	-	-	0.685	-	-	0.680	-	-	0.676	-	-	-	-	-	0.676
Subtotal: 10) SA900 CONSULTING SERVICES			-	-	19.833	-	-	2.065	-	-	2.050	-	-	2.040	-	-	-	-	-	2.040
Total			-	-	617.297	-	-	94.529	-	-	93.471	-	-	84.401	-	-	-	-	-	84.401

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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 / 02 / 2									P-1 Line Item Number / Title: 2147 / SSN Acoustics							Aggregated Items Title: SSN Acoustics ⁽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) SA102 TOWED SYSTEMS																					
1.1) TB-34 FATLINE INTERFACE HWD	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) TB-34 FATLINE TOWED ARRAYS	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) TB-34X FATLINE TOWED ARRAYS ⁽²⁾	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) TB-29X THIN LINE TOWED ARRAYS	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) TOWED ARRAY REFURBISHMENT & UPGRADES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.6) TOWED ARRAY HANDLER SYSTEM UPGRADE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) SA102 TOWED SYSTEMS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) SA105 SONAR SUPPORT EQUIPMENT																					
2.1) BQN-17	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) SA105 SONAR SUPPORT EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) SA106 HULL SENSORS																					
3.1) VA UNIQUE SENSOR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) SA106 HULL SENSORS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) SA201 BLOCK CHANGES																					
4.1) SSEP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.2) TOWED SYSTEMS ECP'S	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.3) ACOUSTICS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 4) SA201 BLOCK CHANGES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5) SA202 PRODUCTION/ENGINEERING SUPPORT																					
5.1) ACOUSTICS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.2) TOWED ARRAYS/HANDLING EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 5) SA202 PRODUCTION/ENGINEERING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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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 / 02 / 2						P-1 Line Item Number / Title: 2147 / SSN Acoustics						Aggregated Items Title: SSN Acoustics ⁽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)
6) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT																				
6.1) TOWED ARRAY UNIQUE TEST EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) SA203 TOWED ARRAY UNIQUE TEST EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) SA302 OP TRAINER UPGRADES																				
7.1) OP TRAINER GFE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) SA302 OP TRAINER UPGRADES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) SA303 COTS SUPPORTABILITY UPGRADES																				
8.1) INSTALL SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) AEMP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.3) COTS UWC ENGINEERING SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.4) COTS TECH INSERTION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5) SHIPYARD INSTALLATION INDUSTRIAL SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) SA303 COTS SUPPORTABILITY UPGRADES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) SA401 INITIAL TRAINING																				
9.1) ACOUSTICS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) TOWED ARRAY	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9) SA401 INITIAL TRAINING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) SA900 CONSULTING SERVICES																				
10.1) ACOUSTICS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.2) TOWED SYSTEMS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10) SA900 CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Aggregated Items Title: SSN Acoustics ⁽¹⁾
Footnotes: ⁽¹⁾ FY13 reduction is due to Sequestration. ⁽²⁾ FY14 funding is for the TB-34X First Article Towed Array to be awarded on a new competitive contract.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 1 / SA101 ACOUSTIC UPGRADES SSN 21 LEGACY 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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	8.500	4.080	-	-	-	-	5.944	2.182	-	-	-	20.706
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.500	4.080	-	-	-	-	5.944	2.182	-	-	-	20.706
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.500	4.080	-	-	-	-	5.944	2.182	-	-	-	20.706
<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 supports Technology Insertion, HF Active Components, and Transmit Group.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 1 / SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT					
Models of Systems Affected: SSN ACOUSTICS				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: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT - NonOrganic ⁽³⁾		2 / 7.000	- / -	- / -	- / -	- / -	- / -	1 / 5.944	- / -	- / -	- / -	- / -	3 / 12.944
1.1.2) SA101 SSN 21 LEGACY REPLACEMENT NRE - NonOrganic		- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500
Subtotal: Recurring		- / 8.500	- / -	- / -	- / -	- / -	- / -	- / 5.944	- / -	- / -	- / -	- / -	- / 14.444
Subtotal: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT		2 / 8.500	- / -	- / -	- / -	- / -	- / -	1 / 5.944	- / -	- / -	- / -	- / -	3 / 14.444
Subtotal: Procurement, All Modification Items		- / 8.500	- / -	- / -	- / -	- / -	- / -	- / 5.944	- / -	- / -	- / -	- / -	- / 14.444
Installation													
Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT		- / 0.000	- / 4.080	- / -	- / -	- / -	- / -	- / -	- / 2.182	- / -	- / -	- / -	- / 6.262
Subtotal: Installation		- / 0.000	- / 4.080	- / -	- / -	- / -	- / -	- / -	- / 2.182	- / -	- / -	- / -	- / 6.262
Total													
Total Cost (Procurement + Support + Installation)		8.500	4.080	-	-	-	-	5.944	2.182	-	-	-	20.706

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 1 / SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT

Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY REPLACEMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin				Manufacturer Location: >VA			
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				Mar 2016			
Delivery Dates				Mar 2017			

Installation Information

Method of Implementation: SHIPALT : Installation Name: SA101 ACOUSTIC UPGRADES SSN 21 LEGACY 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	- / -	2 / 4.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.080
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.182	- / -	- / -	- / -	1 / 2.182
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 4.080	- / -	- / -	- / -	- / -	- / -	1 / 2.182	- / -	- / -	- / -	3 / 6.262

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	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	3

Footnotes:

⁽³⁾ Funding supports Technology Insertion, HF Active Components, and Transmit Group.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 2 / SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM 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>)	128.980	1.911	-	-	-	-	-	-	-	-	-	130.891
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	128.980	1.911	-	-	-	-	-	-	-	-	-	130.891
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	128.980	1.911	-	-	-	-	-	-	-	-	-	130.891

(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:

TSMS allows the crew the capability of detecting and localizing ownship generated noise while at sea in any location.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics						Modification Number / Title: 2 / SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS			
Models of Systems Affected: SSN ACOUSTICS				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: SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS - NonOrganic	52 / 47.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 47.050	
Subtotal: Recurring	- / 47.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.050	
Subtotal: SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS	52 / 47.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 47.050	
Subtotal: Procurement, All Modification Items	- / 47.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 47.050	
Installation													
Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS	- / 81.930	- / 1.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 83.841	
Subtotal: Installation	- / 81.930	- / 1.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 83.841	
Total													
Total Cost (Procurement + Support + Installation)	128.980	1.911	-	-	-	-	-	-	-	-	-	130.891	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 2 / SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS

Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: GD-AIS Manufacturer Location: >MA

Administrative Leadtime (in Months): 3 Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: SHIPALT : Installation Name: SA101 ACOUSTIC UPGRADES TOTAL SHIP MONITORING SYSTEM KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	51 / 81.930	1 / 1.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 83.841
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	51 / 81.930	1 / 1.911	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 83.841

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	51	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	51	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 3 / SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)

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>)	60.611	0.500	-	-	-	-	-	-	-	-	-	61.111
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	60.611	0.500	-	-	-	-	-	-	-	-	-	61.111
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	60.611	0.500	-	-	-	-	-	-	-	-	-	61.111
<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:

Replaces obsolete WLR-9 electronics with COTS Open Architecture digital processor integrated with ARCI, on both SSN and SSBN. Installed with sensor which improves accuracy and fidelity.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics						Modification Number / Title: 3 / SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)			
Models of Systems Affected: SSN ACOUSTICS				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: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R) - NonOrganic	52 / 38.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 38.311	
Subtotal: Recurring	- / 38.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 38.311	
Subtotal: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	52 / 38.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 38.311	
Subtotal: Procurement, All Modification Items	- / 38.311	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 38.311	
Installation													
Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)	- / 22.300	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.800	
Subtotal: Installation	- / 22.300	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 22.800	
Total													
Total Cost (Procurement + Support + Installation)	60.611	0.500	-	-	-	-	-	-	-	-	-	61.111	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2147 / SSN Acoustics										Modification Number / Title: 3 / SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)											
Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Progeny Systems															Manufacturer Location: >Manassas, VA																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: SHIPALT : Installation Name: SA101 ACOUSTIC UPGRADES ACTIVE INTERCEPT & RANGING KITS (AI&R)																															
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		51 / 22.300		1 / 0.500		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		52 / 22.800					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		51 / 22.300		1 / 0.500		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		52 / 22.800					
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	51	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	51	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 4 / SA101 ACOUSTIC UPGRADES LEGACY 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 <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost <i>(\$ in Millions)</i>	114.903	3.607	2.272	1.243	-	1.243	-	-	-	-	-	122.025
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	114.903	3.607	2.272	1.243	-	1.243	-	-	-	-	-	122.025
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	114.903	3.607	2.272	1.243	-	1.243	-	-	-	-	-	122.025

(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 supports the replacement of UYK-43, Technology Insertion, HF Active components and transmit group, replacement of obsolete components, and provides cabinet spacing for future requirements.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics					Modification Number / Title: 4 / SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT				
Models of Systems Affected: SSN ACOUSTICS				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: SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT													
B Kits													
Recurring													
1.1.1) SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT - NonOrganic ⁽⁴⁾		32 / 62.281	- / -	1 / 2.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 64.553	
Subtotal: Recurring		- / 62.281	- / -	- / 2.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.553	
Subtotal: SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT		32 / 62.281	- / -	1 / 2.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 64.553	
Subtotal: Procurement, All Modification Items		- / 62.281	- / -	- / 2.272	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 64.553	
Installation													
Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT		- / 52.622	- / 3.607	- / -	- / 1.243	- / -	- / 1.243	- / -	- / -	- / -	- / -	- / 57.472	
Subtotal: Installation		- / 52.622	- / 3.607	- / -	- / 1.243	- / -	- / 1.243	- / -	- / -	- / -	- / -	- / 57.472	
Total													
Total Cost (Procurement + Support + Installation)		114.903	3.607	2.272	1.243	-	1.243	-	-	-	-	122.025	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 4 / SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT

Modification Item 1 of 1: SA101 ACOUSTIC UPGRADES LEGACY REPLACEMENT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin				Manufacturer Location: >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 2014					
Delivery Dates		Mar 2015					

Installation Information

Method of Implementation: SHIPALT : Installation Name: SA101 ACOUSTIC UPGRADES LEGACY 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	29 / 52.622	3 / 3.607	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 56.229
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	1 / 1.243	- / -	1 / 1.243	- / -	- / -	- / -	- / -	- / -	1 / 1.243
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	29 / 52.622	3 / 3.607	- / -	1 / 1.243	- / -	1 / 1.243	- / -	- / -	- / -	- / -	- / -	33 / 57.472

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	29	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Out	29	-	-	2	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33

Footnotes:

⁽⁴⁾ Funding supports the replacement of UYK-43, Technology Insertion, HF Active components and transmit group, replacement of obsolete components, and provides cabinet spacing for future requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 5 / SA106 HULL SENSORS LOW COST CONFORMAL ARRAY 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>	70.580	13.704	12.265	12.472	-	12.472	12.686	12.902	22.666	31.607	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	70.580	13.704	12.265	12.472	-	12.472	12.686	12.902	22.666	31.607	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	70.580	13.704	12.265	12.472	-	12.472	12.686	12.902	22.666	31.607	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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procurement of Low Cost Conformal Array (LCCA) to provide enhanced situational awareness and collision avoidance capability.

Production Lead Time: 17 months for first delivery / 12 months for follow-on.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics					Modification Number / Title: 5 / SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS				
Models of Systems Affected: SSN ACOUSTICS				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: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS													
B Kits													
Recurring													
1.1.1) SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS - NonOrganic		13 / 54.643	2 / 8.772	2 / 8.921	2 / 9.072	- / -	2 / 9.072	2 / 9.228	2 / 9.384	4 / 19.088	5 / 24.315	Continuing	Continuing
Subtotal: Recurring		- / 54.643	- / 8.772	- / 8.921	- / 9.072	- / -	- / 9.072	- / 9.228	- / 9.384	- / 19.088	- / 24.315	Continuing	Continuing
Subtotal: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS		13 / 54.643	2 / 8.772	2 / 8.921	2 / 9.072	- / -	2 / 9.072	2 / 9.228	2 / 9.384	4 / 19.088	5 / 24.315	Continuing	Continuing
Subtotal: Procurement, All Modification Items		- / 54.643	- / 8.772	- / 8.921	- / 9.072	- / -	- / 9.072	- / 9.228	- / 9.384	- / 19.088	- / 24.315	Continuing	Continuing
Installation													
Modification Item 1 of 1: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS		- / 15.937	- / 4.932	- / 3.344	- / 3.400	- / -	- / 3.400	- / 3.458	- / 3.518	- / 3.578	- / 7.292	- / 9.288	- / 54.747
Subtotal: Installation		- / 15.937	- / 4.932	- / 3.344	- / 3.400	- / -	- / 3.400	- / 3.458	- / 3.518	- / 3.578	- / 7.292	- / 9.288	- / 54.747
Total													
Total Cost (Procurement + Support + Installation)		70.580	13.704	12.265	12.472	-	12.472	12.686	12.902	22.666	31.607	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2147 / SSN Acoustics										Modification Number / Title: 5 / SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS												
Modification Item 1 of 1: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																	
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		Apr 2013				Apr 2014				Apr 2015				Apr 2016				Apr 2017				Apr 2018				Apr 2019						
Delivery Dates		Apr 2014				Apr 2015				Apr 2016				Apr 2017				Apr 2018				Apr 2019				Apr 2020						
Installation Information																																
Method of Implementation: SHIPALT : Installation Name: SA106 HULL SENSORS LOW COST CONFORMAL ARRAY KITS																																
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total									
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)									
Prior Years		10 / 15.937		3 / 4.932		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		13 / 20.869								
FY 2013		- / -		- / -		2 / 3.344		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.344								
FY 2014		- / -		- / -		- / -		2 / 3.400		- / -		2 / 3.400		- / -		- / -		- / -		- / -		- / -		2 / 3.400								
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.458		- / -		- / -		- / -		- / -		2 / 3.458								
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.518		- / -		- / -		- / -		2 / 3.518								
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.578		- / -		- / -		2 / 3.578								
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 7.292		- / -		4 / 7.292								
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 9.288		5 / 9.288								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		10 / 15.937		3 / 4.932		2 / 3.344		2 / 3.400		- / -		2 / 3.400		2 / 3.458		2 / 3.518		2 / 3.578		4 / 7.292		5 / 9.288		32 / 54.747								
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	-	-	2	-	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	2	5	32
Out	10	-	-	2	1	-	-	2	-	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	-	-	-	2	2	5	32

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 6 / SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION 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>)	348.781	25.052	4.182	-	-	-	-	-	-	-	-	378.015
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	348.781	25.052	4.182	-	-	-	-	-	-	-	-	378.015
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	348.781	25.052	4.182	-	-	-	-	-	-	-	-	378.015
<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 technology insertion upgrade kits to previously A-RCI installed systems providing the latest and most current capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics					Modification Number / Title: 6 / SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES				
Models of Systems Affected: SSN ACOUSTICS				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: SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES													
B Kits													
Recurring													
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES/ PHASE III/IV TECH INSERTION UPGRADES - NonOrganic ⁽⁵⁾	53 / 261.413	2 / 10.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 272.073	
Subtotal: Recurring	- / 261.413	- / 10.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 272.073	
Subtotal: SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	53 / 261.413	2 / 10.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 272.073	
Subtotal: Procurement, All Modification Items	- / 261.413	- / 10.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 272.073	
Installation													
Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES	- / 87.368	- / 14.392	- / 4.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 105.942	
Subtotal: Installation	- / 87.368	- / 14.392	- / 4.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 105.942	
Total													
Total Cost (Procurement + Support + Installation)	348.781	25.052	4.182	-	-	-	-	-	-	-	-	378.015	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 6 / SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES

Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES PHASE III/IV TECHNOLOGY INSERTION UPGRADES

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin				Manufacturer Location: >VA			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Apr 2013						
Delivery Dates	Apr 2014						

Installation Information

Method of Implementation: SHIPALT : Installation Name: SA303 COTS SUPPORTABILITY UPGRADES/PHASE III/IV TECH INSERTION 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	46 / 87.368	7 / 14.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 101.760
FY 2013	- / -	- / -	2 / 4.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.182
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	46 / 87.368	7 / 14.392	2 / 4.182	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 105.942

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	46	-	-	3	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55
Out	46	-	-	3	4	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	55

Footnotes:

⁽⁵⁾ Provides technology insertion upgrade kits to previously A-RCI installed systems providing the latest and most current capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 7 / SA303 688/688I TECHNOLOGY INSERTION 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>	0.000	-	44.526	42.814	-	42.814	77.106	52.808	102.944	115.162	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	44.526	42.814	-	42.814	77.106	52.808	102.944	115.162	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	44.526	42.814	-	42.814	77.106	52.808	102.944	115.162	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:

Provides technology insertion upgrade kits to previously installed A-RCI systems, providing the latest and most current capability and includes tech insertion to Legacy Replacement components.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics						Modification Number / Title: 7 / SA303 688/688I TECHNOLOGY INSERTION KITS			
Models of Systems Affected: SSN				Modification Type: SHIPALTS						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> SA303 688/688I TECHNOLOGY INSERTION KITS													
B Kits													
Non-Recurring													
1.1.1) SA303 688i TECHNOLOGY INSERTION KITS - NonOrganic	- / -	- / -	6 / 44.526	4 / 30.052	- / -	4 / 30.052	9 / 68.454	4 / 30.808	12 / 93.996	11 / 87.802	Continuing	Continuing	
<i>Subtotal: Non-Recurring</i>	- / 0.000	- / -	- / 44.526	- / 30.052	- / -	- / 30.052	- / 68.454	- / 30.808	- / 93.996	- / 87.802	Continuing	Continuing	
<i>Subtotal: SA303 688/688I TECHNOLOGY INSERTION KITS</i>	- / -	- / -	6 / 44.526	4 / 30.052	- / -	4 / 30.052	9 / 68.454	4 / 30.808	12 / 93.996	11 / 87.802	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / 44.526	- / 30.052	- / -	- / 30.052	- / 68.454	- / 30.808	- / 93.996	- / 87.802	Continuing	Continuing	
Installation													
<i>Modification Item 1 of 1:</i> SA303 688/688I TECHNOLOGY INSERTION KITS	- / 0.000	- / -	- / -	- / 12.762	- / -	- / 12.762	- / 8.652	- / 22.000	- / 8.948	- / 27.360	- / 51.570	- / 131.292	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / 12.762	- / -	- / 12.762	- / 8.652	- / 22.000	- / 8.948	- / 27.360	- / 51.570	- / 131.292	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	44.526	42.814	-	42.814	77.106	52.808	102.944	115.162	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 7 / SA303 688/688I TECHNOLOGY INSERTION KITS																							
Modification Item 1 of 1: SA303 688/688I TECHNOLOGY INSERTION KITS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin							Manufacturer Location: >VA																								
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 12																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates		Apr 2014	Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019																								
Delivery Dates		Apr 2015	Apr 2016	Apr 2017	Apr 2018	Apr 2019	Apr 2020																								
Installation Information																															
Method of Implementation: [none specified] : Installation Name: SA303 688i TECHNOLOGY INSERTION KITS																															
Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total																			
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																		
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	6 / 12.762	- / -	6 / 12.762	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.762																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.652	- / -	- / -	- / -	- / -	- / -	4 / 8.652																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 22.000	- / -	- / -	- / -	- / -	9 / 22.000																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 8.948	- / -	- / -	- / -	4 / 8.948																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 27.360	- / -	- / -	12 / 27.360																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 25.531	11 / 25.531																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 26.039	11 / 26.039																			
Total	- / -	- / -	- / -	6 / 12.762	- / -	6 / 12.762	4 / 8.652	9 / 22.000	4 / 8.948	12 / 27.360	22 / 51.570	57 / 131.292																			
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	3	1	-	-	5	4	-	-	2	2	-	-	6	6	22	57
Out	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	3	1	-	-	5	4	-	-	2	2	-	-	6	6	22	57

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 8 / SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI 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>)	8.000	3.060	-	-	-	-	17.116	15.250	3.329	-	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.000	3.060	-	-	-	-	17.116	15.250	3.329	-	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.000	3.060	-	-	-	-	17.116	15.250	3.329	-	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:

Inserts Tech Insertions onto Seawolf Class Submarines.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2					P-1 Line Item Number / Title: 2147 / SSN Acoustics					Modification Number / Title: 8 / SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS			
Models of Systems Affected: SSN ACOUSTICS					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>	<i>Qty (Each) / Total Cost (\$ M)</i>
Procurement													
<i>Modification Item 1 of 1:</i> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS													
B Kits													
Recurring													
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS - NonOrganic	1 / 8.000	- / -	- / -	- / -	- / -	- / -	2 / 17.116	1 / 8.704	- / -	- / -	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / 17.116	- / 8.704	- / -	- / -	Continuing	Continuing	
<i>Subtotal: SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS</i>	1 / 8.000	- / -	- / -	- / -	- / -	- / -	2 / 17.116	1 / 8.704	- / -	- / -	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 8.000	- / -	- / -	- / -	- / -	- / -	- / 17.116	- / 8.704	- / -	- / -	Continuing	Continuing	
Installation													
<i>Modification Item 1 of 1:</i> SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS	- / 0.000	- / 3.060	- / -	- / -	- / -	- / -	- / -	- / 6.546	- / 3.329	- / -	- / -	- / 12.935	
<i>Subtotal: Installation</i>	- / 0.000	- / 3.060	- / -	- / -	- / -	- / -	- / -	- / 6.546	- / 3.329	- / -	- / -	- / 12.935	
Total													
Total Cost (Procurement + Support + Installation)	8.000	3.060	-	-	-	-	17.116	15.250	3.329	-	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2147 / SSN Acoustics										Modification Number / Title: 8 / SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS														
Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS																																		
Modification Item MDAP/MAIS Code:																																		
Manufacturer Information																																		
Manufacturer Name: Lockheed Martin													Manufacturer Location: >VA																					
Administrative Leadtime (in Months): 3													Production Leadtime (in Months): 12																					
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019								
Contract Dates														Mar 2016				Mar 2017																
Delivery Dates														Mar 2017				Mar 2018																
Installation Information																																		
Method of Implementation: SHIPALT : Installation Name: SA303 COTS SUPPORTABILITY UPGRADES SSN 21 TI KITS																																		
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total											
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)											
Prior Years		-	/	-	1	/	3.060	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	1	/	3.060						
FY 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	2	/	6.546	-	/	-	-	/	-	2	/	6.546			
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	1	/	3.329	-	/	-	-	/	-			
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
Total		-	/	-	1	/	3.060	-	/	-	-	/	-	-	/	-	-	/	-	2	/	6.546	1	/	3.329	-	/	-	-	/	-	4	/	12.935
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	-	-	-	-	1	-	-	-	-	-	-	-	-	4
Out	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	1	-	-	-	-	-	-	-	-	4

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 11 / SA303 SSBN 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>)	0.000	-	-	-	-	-	10.336	18.716	24.410	34.578	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	10.336	18.716	24.410	34.578	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	10.336	18.716	24.410	34.578	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:

Provides sonar modernization to the SSBN (TRIDENT) Class Submarine Fleet.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 11 / SA303 SSBN CONVERSION					
Models of Systems Affected: SSN ACOUSTICS				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: SA303 SSBN CONVERSION													
B Kits													
Non-Recurring													
1.1.1) SA303 SSBN CONVERSION - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.336	2 / 10.522	3 / 16.068	4 / 21.828	Continuing	Continuing	
Subtotal: Non-Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.336	- / 10.522	- / 16.068	- / 21.828	Continuing	Continuing	
Subtotal: SA303 SSBN CONVERSION	- / -	- / -	- / -	- / -	- / -	- / -	2 / 10.336	2 / 10.522	3 / 16.068	4 / 21.828	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 10.336	- / 10.522	- / 16.068	- / 21.828	Continuing	Continuing	
Installation													
Modification Item 1 of 1: SA303 SSBN CONVERSION	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.194	- / 8.342	- / 12.750	- / 17.308	- / 46.594	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.194	- / 8.342	- / 12.750	- / 17.308	- / 46.594	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	10.336	18.716	24.410	34.578	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2147 / SSN Acoustics										Modification Number / Title: 11 / SA303 SSBN CONVERSION												
Modification Item 1 of 1: SA303 SSBN CONVERSION																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: TBD															Manufacturer Location: >TBD																	
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																																
Delivery Dates																																
Installation Information																																
Method of Implementation: [none specified] : Installation Name: SA303 SSBN 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)									
Prior Years		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2013		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		2 / 8.194		- / -		- / -		- / -		- / -		2 / 8.194							
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 8.342		- / -		- / -		- / -		2 / 8.342							
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 12.750		- / -		- / -		3 / 12.750							
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 17.308		- / -		4 / 17.308							
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		- / -	- / -		- / -		- / -		- / -		- / -		- / -		2 / 8.194		2 / 8.342		3 / 12.750		4 / 17.308		- / -		11 / 46.594							
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	4	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	2	-	-	-	2	1	4	11

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 9 / SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION 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>)	78.947	28.478	19.136	16.310	-	16.310	3.218	-	13.827	3.392	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	78.947	28.478	19.136	16.310	-	16.310	3.218	-	13.827	3.392	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	78.947	28.478	19.136	16.310	-	16.310	3.218	-	13.827	3.392	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:

Provides initial technology insertion upgrade for A-RCI installed systems on the VA Class, providing the latest and most current capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics						Modification Number / Title: 9 / SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS			
Models of Systems Affected: SSN ACOUSTICS				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: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS													
B Kits													
Recurring													
2.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS - NonOrganic ⁽⁶⁾	5 / 61.097	2 / 25.418	1 / 12.912	1 / 13.145	- / -	1 / 13.145	- / -	- / -	1 / 13.827	- / -	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 61.097	- / 25.418	- / 12.912	- / 13.145	- / -	- / 13.145	- / -	- / -	- / 13.827	- / -	Continuing	Continuing	
<i>Subtotal: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS</i>	5 / 61.097	2 / 25.418	1 / 12.912	1 / 13.145	- / -	1 / 13.145	- / -	- / -	1 / 13.827	- / -	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 61.097	- / 25.418	- / 12.912	- / 13.145	- / -	- / 13.145	- / -	- / -	- / 13.827	- / -	Continuing	Continuing	
Installation													
Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS	- / 17.850	- / 3.060	- / 6.224	- / 3.165	- / -	- / 3.165	- / 3.218	- / -	- / -	- / 3.392	- / -	- / 36.909	
<i>Subtotal: Installation</i>	- / 17.850	- / 3.060	- / 6.224	- / 3.165	- / -	- / 3.165	- / 3.218	- / -	- / -	- / 3.392	- / -	- / 36.909	
Total													
Total Cost (Procurement + Support + Installation)	78.947	28.478	19.136	16.310	-	16.310	3.218	-	13.827	3.392	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2										P-1 Line Item Number / Title: 2147 / SSN Acoustics										Modification Number / Title: 9 / SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS											
Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >VA																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Apr 2013				Apr 2014				Apr 2015												Apr 2018									
Delivery Dates		Apr 2014				Apr 2015				Apr 2016												Apr 2019									
Installation Information																															
Method of Implementation: SHIPALT : Installation Name: SA303 COTS SUPPORTABILITY UPGRADES VA CONVERSION KITS																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		4 / 17.850		1 / 3.060		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 20.910					
FY 2013		- / -		- / -		2 / 6.224		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 6.224					
FY 2014		- / -		- / -		- / -		1 / 3.165		- / -		1 / 3.165		- / -		- / -		- / -		- / -		- / -		- / -		1 / 3.165					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		1 / 3.218		- / -		- / -		- / -		- / -		- / -		1 / 3.218					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 3.392		- / -		1 / 3.392					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		4 / 17.850		1 / 3.060		2 / 6.224		1 / 3.165		- / -		1 / 3.165		1 / 3.218		- / -		- / -		- / -		1 / 3.392		- / -		10 / 36.909					
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	-	-	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Out	4	-	-	1	-	-	-	-	2	-	-	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Footnotes:																															
⁽⁶⁾ Provides initial technology insertion upgrade for A-RCI installed systems on the VA Class, providing the latest and most current capability.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics				Modification Number / Title: 10 / SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION 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>)	0.000	-	-	8.415	-	8.415	28.892	44.635	31.019	33.844	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	8.415	-	8.415	28.892	44.635	31.019	33.844	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	8.415	-	8.415	28.892	44.635	31.019	33.844	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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides technology insertion upgrade kits to previously A-RCI installed systems on the VA Class, providing the latest and most current capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2147 / SSN Acoustics						Modification Number / Title: 10 / SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS			
Models of Systems Affected: SSN ACOUSTICS				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													
<i>Modification Item 1 of 1:</i> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS													
B Kits													
Recurring													
1.1.1) SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS - NonOrganic ⁽⁷⁾	- / -	- / -	- / -	1 / 8.415	- / -	1 / 8.415	3 / 25.674	4 / 34.816	2 / 17.704	3 / 27.060	Continuing	Continuing	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 8.415	- / -	- / 8.415	- / 25.674	- / 34.816	- / 17.704	- / 27.060	Continuing	Continuing	
<i>Subtotal: SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS</i>	- / -	- / -	- / -	1 / 8.415	- / -	1 / 8.415	3 / 25.674	4 / 34.816	2 / 17.704	3 / 27.060	Continuing	Continuing	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 8.415	- / -	- / 8.415	- / 25.674	- / 34.816	- / 17.704	- / 27.060	Continuing	Continuing	
Installation													
<i>Modification Item 1 of 1:</i> SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.218	- / 9.819	- / 13.315	- / 6.784	- / 17.255	- / 50.391	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.218	- / 9.819	- / 13.315	- / 6.784	- / 17.255	- / 50.391	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	8.415	-	8.415	28.892	44.635	31.019	33.844	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2147 / SSN Acoustics	Modification Number / Title: 10 / SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS

Modification Item 1 of 1: SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin

Manufacturer Location: >VA

Administrative Leadtime (in Months): 3

Production Leadtime (in Months): 12

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

Installation Information

Method of Implementation: SHIPALT : Installation Name: SA303 COTS SUPPORTABILITY UPGRADES VA NON-CONVERSION KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.218	- / -	- / -	- / -	- / -	1 / 3.218
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 9.819	- / -	- / -	- / -	3 / 9.819
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 13.315	- / -	- / -	4 / 13.315
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.784	- / -	2 / 6.784
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.369	3 / 10.369
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.886	2 / 6.886
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.218	3 / 9.819	4 / 13.315	2 / 6.784	5 / 17.255	15 / 50.391

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	-	-	-	3	1	-	-	2	-	5	15
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	3	-	-	-	3	1	-	-	2	-	5	15

Footnotes:
(7) Provides technology insertion upgrade kits to previously A-RCI installed systems on the VA Class, providing the latest and most current 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 02: Communications & Electronics Equip / BSA 2: Ship Sonars						P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0603512N, 0604518N				
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)	136.009	15.520	9.394	9.487	-	9.487	9.267	9.066	10.930	7.236	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	136.009	15.520	9.394	9.487	-	9.487	9.267	9.066	10.930	7.236	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	136.009	15.520	9.394	9.487	-	9.487	9.267	9.066	10.930	7.236	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	0.144	0.090	-	0.090	0.052	-	-	-	-	0.286
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: VM201- ACOUSTIC COMMUNICATIONS (ACOMMS) AND DEPTH SOUNDERS: Acoustic Communications provides one-way and two-way acoustic communications equipment for submarines and surface ships; Depth Sounders provide a means of measuring the depth of water below the face of a hull mounted transducer. The equipment consists of: (1) AN/WQC-2/2A, a stand-alone, single side-band, general purpose, voice, continuous wave, multiple tone communication for surface ships, submarines, and shore activities; (2) AN/WQC-6, which provides long range coded signaling from surface Anti-Submarine Warfare (ASW) ships to attack submarines when interfaced with the AN/SQS-53 and AN/BQQ-5; (3) AN/BQC-1, a stand-alone emergency voice and signal beacon for submarines; (4) AN/UQN-4/4A, a water depth measuring system that provides the distance between the ship keel and the ocean bottom; and (5) technical improvements (Engineering Changes (ECs)) to Acoustic Communication and Depth Sounder equipment. Funding will provide for continued procurement of both Probe Alert (AN/WQC-6) improvements and AN/WQC-2A and AN/UQN-4/4A ECs, plus associated production engineering support and consulting services for the SSN 21, SSN 688, SSN 774, SSBN 726, SSGN 726, DDG 51, CG 47, MCM 1, FFG 7, AS, LHA, LHD, LPD, LSD, and CVN 68 class ships and submarines.												
VM301 - AIRCRAFT CARRIER TACTICAL SUPPORT CENTER (CV-TSC): The AN/SQQ-34 Aircraft Carrier Tactical Support Center (CV-TSC) program provides increased situational awareness to the Carrier Strike Group (CSG) in support of force protection, primarily in the area of Anti-Submarine Warfare (ASW). Through the integration of off-board sensors and signal, data and display processors, the AN/SQQ-34 is utilized in detecting, classifying, and localizing threats. An integrated element of the Carrier Combat System, the AN/SQQ-34 supports the tactical deployment of embarked ASW and Surface Warfare (SUW) assets (S-3B until retirement, SH-60F helicopter). The program is providing technical refreshes to legacy AN/SQQ-34 systems on all Carriers and shore sites in support of Fleet introduction and shipboard integration of the MH-60R Multi Mission Helicopter. Upgrades to legacy systems will enable exchange of sensor, tactical and imagery data with the MH-60R initially and eventually with P-8 and BAMS aircraft. It completes the Kill Chain by linking sensor platform to sensor controllers and the ASW/SUW commanders. In order to support multiple MH-60R Multi Mission Helicopters, the Common Data Link (CDL) will also be upgraded. CDL is the Navy Aircraft Carrier ultra wide-band, digital, secure data link, comprised of radio equipment that provides configuration-controlled and standardized wide-band, digital, and secure communication paths between multiple reconnaissance sensors and their users. Initially, a single User Interface Group (UIG) upgrade to CDL will be fielded in concert with CV-TSC/MH-60R deployments, providing a single MH-60R/aircraft link. Beginning in FY12, 2 additional UIGs and antennas will allow dual simultaneous mission connectivity to CV-TSC.												
VM401 - SURFACE SONAR WINDOWS AND DOMES: AN/SQS-26/53 Sonar Dome Rubber Windows (SDRW) are installed on CG47 and DDG51 class ships. This program provides emergency replacement, wire-reinforced, pressurized rubber acoustic windows and attachment hardware, which experience failure due to corrosion, fatigue, and impact in the splice region. The SDRW significantly improves the surface ship sonar performance by reducing flow-induced												

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars												P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment							

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0603512N, 0604518N
self-noise and by providing increased source level receiving and sensitivity resulting from reduced attenuation. AN/SQS-56 Sonar Rubber Domes (SRD) and Sonar Composite Dome (SCD)-56 Composite Keel Domes are installed on FFG 7 class ships. This program provides emergency replacement SCD-56's for AN/SQS-56 active/passive duct sonar systems; fabrication of replacement mold sets required for future bow and keel dome production; production engineering in support of technical evaluations, failure analysis, implementation of the in-water one-side backscatter X-ray program, Government Furnished Equipment (GFE) refurbishments, and field service engineering; and complete engineering design work and material tests. This program also provides drawings, configuration management information, new design and fabrication technology, incorporation of lessons learned and required testing, and construct sub-element to confirm single-stage cure.		
VM601 - UNDERSEA WARFARE-DECISION SUPPORT SYSTEM (USW-DSS): The USW-DSS program provides an integrated, near-real time, net-centric USW (Anti-Submarine Warfare (ASW) & Mine Warfare (MIW)) Command and Control (C2) capability across multiple platforms (Surface, SSN, Maritime Patrol and Reconnaissance Aircraft (MPRA), Theater and Surveillance) and is capable even with low bandwidth or intermittent inter-platform communications. USW-DSS will provide a critical C2 capability for the Sea Combat (SCC), Theater USW (TUSWC), and Anti-Submarine Warfare (ASWC) Commanders. It will provide the Fleet with full capability to plan and conduct USW operations and enables alignment of sensors for exploitation of the environment, allocation of resources, optimization of operations and risk, and vulnerability assessment contributing to increased lethality and survivability through improved asset allocation, optimized sensor placement and situational awareness. This capability will provide USW Commanders with an expanded net-centric USW toolset reaching across all Carrier Strike Group (CSG) platforms (CVNs, CG/DDGs, SSNs, IUSS, and MPRA) as well as supporting shore nodes and theater assets including Theater Surface Combatants (TSC), Training, Naval Oceanographic Processing Facility (NOPF), and Commander Task Force (CTF). Funding identified provides for the procurement and installation of USW-DSS capability on CSG platforms and supporting shore nodes via permanent ship alterations (SHIPALTs). Beginning in FY09, USW-DSS initiated transition to a software application hosted on afloat platforms' shipboard network, the Integrated Shipboard Network System (ISNS) initially, followed by Consolidated Afloat Network and Enterprise Services (CANES). The program is included in the Littoral and Maritime Operations Mission Capability Package (MCP) under the Joint Command and Control (JC2) construct.		

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)
Undersea Warfare Support Equipment	P-40a		-	-	69.786	-	-	7.929	-	-	9.052	-	-	9.188	-	-	-	-	-	9.188
P-3a - 1 / VM301 - AN/ SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	P-3a		-	-	66.223	-	-	7.591	-	-	0.342	-	-	0.299	-	-	-	-	-	0.299
Total Gross/Weapon System Cost			-	-	136.009	-	-	15.520	-	-	9.394	-	-	9.487	-	-	-	-	-	9.487

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)
Undersea Warfare Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / VM301 - AN/ SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	P-3a		-	-	0.338	-	-	0.347	-	-	0.352	-	-	0.357	-	-	-	-	-	75.849

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars												P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0603512N, 0604518N									
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			-	-	9.267	-	-	9.066	-	-	10.930	-	-	7.236	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.																					
Justification: USW-DSS/VM601 Note: Due to a reprioritization of requirements based on results of the Resources/Requirements Review Board (R3B) and the Sponsor's Program Proposal (SPP), the program will enter the sustainment phase after operational test and evaluation of USW-DSS Build 2 Release 3 in FY13. FY13 focused on establishing the Software Support Activity at Naval Undersea Warfare Center (NUWC) Keyport, Washington. General Note: FY13 reductions are 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 / 02 / 2						P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment									Aggregated Items Title: Undersea Warfare 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) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS) AND DEPTH SOUNDERS																				
1.1) Acoustic Communications and Depth Sounders			-	-	2.093	-	-	0.327	-	-	0.331	-	-	0.344	-	-	-	-	-	0.344
1.2) Production Support			-	-	0.934	-	-	0.129	-	-	0.111	-	-	0.089	-	-	-	-	-	0.089
Subtotal: 1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS) AND DEPTH SOUNDERS			-	-	3.027	-	-	0.456	-	-	0.442	-	-	0.433	-	-	-	-	-	0.433
2) VM401 - SURFACE SONAR WINDOWS AND DOMES																				
2.1) Surface Sonar Windows and Domes (1)	A		7,090K	3	21.269	2,626K	1	2.626	1,841K	3	5.523	1,608K	3	4.824	-	-	-	1,608K	3	4.824
2.2) Sonar Composite Mold			-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Sonar Composite Dome	A		-	-	5.626	1,180K	2	2.360	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Production Support			-	-	9.513	-	-	0.433	-	-	0.397	-	-	0.342	-	-	-	-	-	0.342
Subtotal: 2) VM401 - SURFACE SONAR WINDOWS AND DOMES			-	-	38.408	-	-	5.419	-	-	5.920	-	-	5.166	-	-	-	-	-	5.166
3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)																				
3.1) Carrier Strike Group (CSG) Shipsets (2)	A		11,812K	1	11.812	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) ISNS/CANES S/W Shipsets (3)	A		111,473.68	19	2.118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Shore Sites and Tactical Trainers (4)	A		-	-	3.645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Engineering Changes (Builds 1 & 2 Systems) (5)			-	-	1.644	-	-	-	-	-	0.660	-	-	-	-	-	-	-	-	-
3.5) System Technical Support (6)			-	-	1.059	-	-	1.394	-	-	1.191	-	-	3.285	-	-	-	-	-	3.285
3.6) Production Support (7)			-	-	8.073	-	-	0.660	-	-	0.839	-	-	0.304	-	-	-	-	-	0.304
Subtotal: 3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)			-	-	28.351	-	-	2.054	-	-	2.690	-	-	3.589	-	-	-	-	-	3.589

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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 / 02 / 2						P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment									Aggregated Items Title: Undersea Warfare 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			-	-	69.786	-	-	7.929	-	-	9.052	-	-	9.188	-	-	-	-	-	9.188

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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 / 02 / 2									P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment						Aggregated Items Title: Undersea Warfare 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) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS) AND DEPTH SOUNDERS																				
1.1) Acoustic Communications and Depth Sounders			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Production Support			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) VM201 - ACOUSTIC COMMUNICATIONS (ACOMMS) AND DEPTH SOUNDERS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) VM401 - SURFACE SONAR WINDOWS AND DOMES																				
2.1) Surface Sonar Windows and Domes (1)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Sonar Composite Mold			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) Sonar Composite Dome	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Production Support			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VM401 - SURFACE SONAR WINDOWS AND DOMES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)																				
3.1) Carrier Strike Group (CSG) Shipsets (2)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) ISNS/CANES S/W Shipsets (3)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) Shore Sites and Tactical Trainers (4)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) Engineering Changes (Builds 1 & 2 Systems) (5)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) System Technical Support (6)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.6) Production Support (7)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) VM601 - UNDERSEA WARFARE DECISION SUPPORT SYSTEM (USW-DSS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 2									P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment						Aggregated Items Title: Undersea Warfare 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			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) VM401 - Surface Sonar Windows and Domes/Surface Sonar Windows and Domes: Procure SDRWs, shipping fixtures, and fairing angles for emergency replacement on CG 47 and DDG 51 class hulls.
- (2) VM601 - USW-DSS/Carrier Strike Group (CSG) Shipsets: Consists of the complete USW-DSS rack (hardware, software and supporting equipment).
- (3) VM601 - USW-DSS/ISNS/CANES S/W Shipsets: Consists of USW-DSS Build 2/Release 3 software load onto ISNS/CANES platforms. Includes updates from ISNS to CANES as well as new CANES S/W & workstation suites. Schedule is dependent upon/coordinated with ISNS/CANES fielding.
- (4) VM601 - USW-DSS/Shore Sites and Tactical Trainers: Consists of USW-DSS Build 2/Release 3 shore/lab assets and Tactical Training Equipment systems, which are full hardware/software systems.
- (5) VM601 - USW-DSS/Engineering Changes (Builds 1 & 2 Systems): Consists of Engineering Change Proposals (ECPs) and hardware/software changes/upgrades. Software will be upgraded to the USW-DSS Build 2/Release 3. Funding will be used to support Reliability, Maintainability, and Availability (RM&A) modifications; correct deficiencies identified through Fleet use and upgrade unreliable components.
- (6) VM601 - USW-DSS/System Technical Support: Funding is for the USW-DSS program Software Support Activity efforts in performing the following functions: generation/assessment of Software Problem Reports (SPRs)/Software Trouble Reports (STRs); responding to Fleet software Change Requests (CR); Configuration Management (CM); software Quality Assurance (QA); software installation automation; and software recovery support.
- (7) VM601 - USW-DSS/Production Support: Consists of on-site engineering support; CANES Integrated Product Team (IPT) Support; Information Assurance (IA) certification support; production quality assurance; System Sustainability Support; Integrated Logistics Support (ILS) product updates/support; status reporting and technical briefings; program office support; and all other production support efforts directly related to delivery of USW-DSS to both ISNS/CANES and ultimately the Fleet.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment	Modification Number / Title: 1 / VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL 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>)	66.223	7.591	0.342	0.299	-	0.299	0.338	0.347	0.352	0.357	-	75.849
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	66.223	7.591	0.342	0.299	-	0.299	0.338	0.347	0.352	0.357	-	75.849
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	66.223	7.591	0.342	0.299	-	0.299	0.338	0.347	0.352	0.357	-	75.849

(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:

[AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications)] Funding identified provides for the procurement of Carrier Based Tactical Support Center (CV-TSC) AN/SQQ-34C with MH-60R capability for those CVNs with legacy CV-TSC systems (AN/SQQ-34A or AN/SQQ-34B).

To accommodate MH-60R upgrades on the Aircraft Carrier, the existing Common Data Link System (CDLS) requires an equipment upgrade that provides an additional User Interface Group (UIG) connection to the Aircraft Carrier Tactical Support Center (CV-TSC) and an additional link to support pre-flight verification of the systems. As the result of a cost-savings measure and a new initiative by N2N6 to introduce a new multi-link common data link program to the Aircraft Carrier in FY15, the current CDLS upgrade is being limited to the additional UIG and pre-flight verification equipment which is being installed as part of the CV-TSC equipment upgrades.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2				P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment				Modification Number / Title: 1 / VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS					
Models of Systems Affected: [No Model Specified]				Modification Type: Added Capability				Related RDT&E PEs: 0603512N					
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: VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS													
B Kits													
Recurring													
1.1.1) AN/SQQ-34C MH-60R Mission Integration (with CDL Modifications) - NonOrganic	8 / 28.142	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 28.142	
Subtotal: Recurring	- / 28.142	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 28.142	
Non-Recurring													
1.2.1) AN/SQQ-34C MH-60R Mission Integration - Lab/ Shore Site Systems - Organic	- / 3.395	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.395	
Subtotal: Non-Recurring	- / 3.395	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.395	
Subtotal: VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	8 / 31.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 31.537	
Subtotal: Procurement, All Modification Items	- / 31.537	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.537	
Support (All Modification Items)													
2.1) Technology Insert/Refresh	- / 9.539	- / -	- / 0.342	- / 0.299	- / -	- / 0.299	- / 0.338	- / 0.347	- / 0.352	- / 0.357	- / -	- / 11.574	
2.2) Production Engineering/Support	- / 11.363	- / 0.223	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.586	
Subtotal: Support	- / 20.902	- / 0.223	- / 0.342	- / 0.299	- / -	- / 0.299	- / 0.338	- / 0.347	- / 0.352	- / 0.357	- / -	- / 23.160	
Installation													
Modification Item 1 of 1: VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS	- / 13.784	- / 7.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.152	
Subtotal: Installation	- / 13.784	- / 7.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.152	
Total													
Total Cost (Procurement + Support + Installation)	66.223	7.591	0.342	0.299	-	0.299	0.338	0.347	0.352	0.357	-	75.849	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2	P-1 Line Item Number / Title: 2176 / Undersea Warfare Support Equipment	Modification Number / Title: 1 / VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS

Modification Item 1 of 1: VM301 - AN/SQQ-34C MH-60R MISSION INTEGRATION W/ CDL MODIFICATIONS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NUWC/Keyport ⁽⁸⁾				Manufacturer Location: >Keyport, WA			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 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: SHIPYARD & AIT : Installation Name: AN/SQQ-34C MH-60R Mission Integration (with CDL 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	6 / 13.784	2 / 7.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 21.152
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 13.784	2 / 7.368	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 21.152

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	6	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Footnotes:

⁽⁸⁾ NUWC/Keyport is the prime hardware/software integrator for the AN/SQQ-34C. The Common Display System (CDS) are procured via NAVSEA/PEO IWS contract with General Dynamics Advanced Information Systems. The Common Processing System (CPS) are procured via NAVSEA/PEO IWS contract with Global Technical Services (GTS).

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars							P-1 Line Item Number / Title: 2181 / Sonar Switches and Transducers													
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>)	87.191	12.349	12.953	11.621	-	11.621	13.227	13.821	13.612	13.891	-	178.665								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	87.191	12.349	12.953	11.621	-	11.621	13.227	13.821	13.612	13.891	-	178.665								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	87.191	12.349	12.953	11.621	-	11.621	13.227	13.821	13.612	13.891	-	178.665								
<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>)	-	0.641	0.439	0.375	-	0.375	0.469	0.448	0.440	0.468	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 procures hydrophones, transducers, cables, associated Out-Board Electronics bottles (OBE), and acoustic windows for In-Service Undersea Warfare Sonars on all classes of submarines. The components are required to support units in the fleet on a replacement basis, at regularly scheduled ship overhauls, and at interim availabilities when units are defective, and for upgrades. [P40A / PU100 SONAR SWITCHES AND TRANSDUCERS]: Included in this line are procurements of transducers, hydrophones, windows, cables, Out-Board Electronics (OBE), domes and their associated mounting hardware, and other support equipment and materials for the following Undersea Warfare Sonars: BSY-1, BSY-2, BQQ-5 BQQ-6, BQQ-10, BQG-5, BQS-15, BQS-14A, WQC-2, WLR-9/12, BQN-13, BQN-17, BQA-8, BQH-1 and BQS-25. [P40A / PU200 ENGINEERING CHANGES]: Funds ECPs, Value Engineering awards, and hardware changes affecting the SSN 688, 688I, SEAWOLF, SSBN 726 (TRIDENT), SSGN, and VA Class submarines. [P40A / PU300 PROGRAM SUPPORT]: Supports the procurement of equipment of sonar hydrophones, transducers, cables, Out-Board Electronics, and acoustic windows for In-Service Undersea Warfare Sonars.																				
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)
Sonar Switches and Transducers	P-40a		-	-	87.191	-	-	12.349	-	-	12.953	-	-	11.621	-	-	-	-	-	11.621
Total Gross/Weapon System Cost			-	-	87.191	-	-	12.349	-	-	12.953	-	-	11.621	-	-	-	-	-	11.621

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2181 / Sonar Switches and Transducers
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
*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 / 02 / 2							P-1 Line Item Number / Title: 2181 / Sonar Switches and Transducers								Aggregated Items Title: Sonar Switches and Transducers					
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) PU100 SONAR SWITCHES AND TRANSDUCERS ⁽¹⁾																				
1.1) TR-353	A		-	-	-	6,000.00	100	0.600	6,000.00	100	0.600	6,000.00	100	0.600	-	-	-	6,000.00	100	0.600
1.2) CW-1147 DOME	A		-	-	-	18,000.00	10	0.180	18,000.00	10	0.180	18,000.00	10	0.180	-	-	-	18,000.00	10	0.180
1.3) CW-1181E DOME	A		-	-	-	5,000.00	19	0.095	5,000.00	18	0.090	5,000.00	18	0.090	-	-	-	5,000.00	18	0.090
1.4) DT-574 100FT	A		-	-	-	2,000.00	100	0.200	-	-	-	2,000.00	100	0.200	-	-	-	2,000.00	100	0.200
1.5) MX-12309 SSGN HFSA WINDOW	A		-	-	-	173,000.00	1	0.173	-	-	-	-	-	-	-	-	-	-	-	-
1.6) CABLES	A		-	-	-	-	-	1.798	-	-	0.477	-	-	0.816	-	-	-	-	-	0.816
1.7) DT-574 50FT	A		-	-	-	533.33	90	0.048	-	-	-	550.46	327	0.180	-	-	-	550.46	327	0.180
1.8) CW-1181C	A		5,534.72	144	0.797	5,000.00	16	0.080	5,000.00	18	0.090	5,000.00	20	0.100	-	-	-	5,000.00	20	0.100
1.9) MX-10624	A		6,329.79	94	0.595	-	-	-	13,181.82	11	0.145	13,400.00	10	0.134	-	-	-	13,400.00	10	0.134
1.10) MX-10624 Remanufactured	A		-	-	-	1,000.00	10	0.010	-	-	-	-	-	-	-	-	-	-	-	-
1.11) MX-12062 HFSA 688i Window	A		159,400.00	10	1.594	-	-	-	-	-	-	171,000.00	1	0.171	-	-	-	171,000.00	1	0.171
1.12) WINDOW (NSSN HFSA)	A		176,800.00	5	0.884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.13) MX-11474	A		185,200.00	5	0.926	-	-	-	197,000.00	1	0.197	-	-	-	-	-	-	-	-	-
1.14) DT-5740OBE	A		14,316.06	193	2.763	16,000.00	10	0.160	16,272.00	25	0.407	16,346.15	26	0.425	-	-	-	16,346.15	26	0.425
1.15) DT-511B	A		18,160.00	25	0.454	27,400.00	10	0.274	27,797.66	18	0.500	28,266.67	15	0.424	-	-	-	28,266.67	15	0.424
1.16) DT-592	A		31,035.09	57	1.769	-	-	-	39,000.00	18	0.702	-	-	-	-	-	-	-	-	-
1.17) DT-592 Hydrophones Remanufactured	A		-	-	-	17,000.00	7	0.119	-	-	-	-	-	-	-	-	-	-	-	-
1.18) TR-233B	A		10,153.56	267	2.711	-	-	-	-	-	-	10,000.00	20	0.200	-	-	-	10,000.00	20	0.200
1.19) TR-282	A		21,500.00	60	1.290	-	-	-	26,900.00	10	0.269	27,363.64	11	0.301	-	-	-	27,363.64	11	0.301
1.20) TR-302B & CBL	A		23,306.53	199	4.638	21,698.71	20	0.434	22,067.59	18	0.397	22,428.57	21	0.471	-	-	-	22,428.57	21	0.471
1.21) TR-302 (WINDOW)	A		864.41	59	0.051	1,000.00	6	0.006	1,000.00	10	0.010	1,000.00	10	0.010	-	-	-	1,000.00	10	0.010
1.22) TR-321	A		7,463.64	110	0.821	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.23) TR-321 V CTD	A		22,065.93	182	4.016	-	-	-	18,000.00	20	0.360	18,318.18	22	0.403	-	-	-	18,318.18	22	0.403
1.24) TR-338 & CBL	A		21,335.05	194	4.139	23,000.00	20	0.460	23,000.00	18	0.414	-	-	-	-	-	-	-	-	-
1.25) TR-341	A		16,587.82	427	7.083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.26) WAA OBE	A		6,291.67	120	0.755	12,000.00	50	0.600	12,000.00	50	0.600	12,000.00	50	0.600	-	-	-	12,000.00	50	0.600
1.27) NCC CONNECTORS	A		931.49	2,715	2.529	1,000.00	45	0.045	1,000.00	52	0.052	1,000.00	54	0.054	-	-	-	1,000.00	54	0.054
1.28) DT-699 HFSA RECEIVE	A		58,595.24	84	4.922	-	-	-	70,000.00	7	0.490	71,000.00	6	0.426	-	-	-	71,000.00	6	0.426

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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 / 02 / 2						P-1 Line Item Number / Title: 2181 / Sonar Switches and Transducers										Aggregated Items Title: Sonar Switches and Transducers					
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)	
1.29) DT-699 HFSA RECEIVE Remanufactured	A		-	-	-	17,000.00	15	0.255	-	-	-	-	-	-	-	-	-	-	-	-	
1.30) TR-364 HFSP XMIT	A		125,692.31	13	1.634	150,368.00	1	0.150	152,924.26	1	0.153	155,523.97	1	0.156	-	-	-	155,523.97	1	0.156	
1.31) TR-317	A		3,112.43	7,854	24.445	4,000.91	1,095	4.381	4,001.90	1,050	4.202	4,000.00	681	2.724	-	-	-	4,000.00	681	2.724	
1.32) TR-281	A		20,648.65	37	0.764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.33) DT-592 FIRST ARTICLE	A		-	-	-	-	-	-	-	-	-	130,000.00	3	0.390	-	-	-	130,000.00	3	0.390	
1.34) TR-233 FIRST ARTICLE	A		-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	-	-	-	-	-	-	
1.35) TR-302 FIRST ARTICLE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.36) TR-321 FIRST ARTICLE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.37) TR-338 FIRST ARTICLE	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.38) TR-341 FIRST ARTICLE	A		-	-	-	-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	100,000.00	3	0.300	
1.39) TR-317 FIRST ARTICLE	A		81,750.00	4	0.327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.40) TR-353 FIRST ARTICLE	A		81,750.00	4	0.327	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.41) TR-281 FIRST ARTICLE	A		-	-	-	-	-	-	-	-	-	100,000.00	3	0.300	-	-	-	100,000.00	3	0.300	
1.42) TR-282 FIRST ARTICLE	A		-	-	-	100,000.00	3	0.300	-	-	-	-	-	-	-	-	-	-	-	-	
1.43) DT-513	A		3,212.50	640	2.056	4,067.31	104	0.423	4,133.09	110	0.455	4,203.35	120	0.504	-	-	-	4,203.35	120	0.504	
1.44) DT-574 50FT FIRST ARTICLE	A		-	-	-	-	-	-	35,000.00	6	0.210	-	-	-	-	-	-	-	-	-	
1.45) DT-574 100FT FIRST ARTICLE	A		-	-	-	-	-	-	35,000.00	6	0.210	-	-	-	-	-	-	-	-	-	
1.46) TR-321 V CTD FIRST ARTICLE	A		-	-	-	100,000.00	3	0.300	-	-	-	-	-	-	-	-	-	-	-	-	
1.47) DT-100 HFSA RECEIVE	A		-	-	-	-	-	-	75,000.00	3	0.225	75,000.00	3	0.225	-	-	-	75,000.00	3	0.225	
1.48) DT-100 HFSA RECEIVE Remanufactured	A		-	-	-	20,000.00	3	0.060	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) PU100 SONAR SWITCHES AND TRANSDUCERS			-	-	72.290	-	-	11.151	-	-	11.735	-	-	10.384	-	-	-	-	-	10.384	
2) PU200 ENGINEERING CHANGES																					

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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 / 02 / 2								P-1 Line Item Number / Title: 2181 / Sonar Switches and Transducers								Aggregated Items Title: Sonar Switches and Transducers				
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)
2.1) ENGINEERING CHANGES	A		-	-	1.339	-	-	0.201	-	-	0.205	-	-	0.206	-	-	-	-	-	0.206
<i>Subtotal: 2) PU200 ENGINEERING CHANGES</i>			-	-	1.339	-	-	0.201	-	-	0.205	-	-	0.206	-	-	-	-	-	0.206
3) PU300 PROGRAM SUPPORT																				
3.1) PROGRAM SUPPORT	A		-	-	13.562	-	-	0.997	-	-	1.013	-	-	1.031	-	-	-	-	-	1.031
<i>Subtotal: 3) PU300 PROGRAM SUPPORT</i>			-	-	13.562	-	-	0.997	-	-	1.013	-	-	1.031	-	-	-	-	-	1.031
Total			-	-	87.191	-	-	12.349	-	-	12.953	-	-	11.621	-	-	-	-	-	11.621

Footnotes:

⁽¹⁾ Due to Fleet usage requirements to maintain submarines in an operational status, adjustments are made to quantities throughout the FYDP. Items not procured in a single year do not impact the production line. FY13 reduction 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 02: Communications & Electronics Equip / BSA 2: Ship Sonars							P-1 Line Item Number / Title: 2188 / Electronic Warfare MILDEC													
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>)	16.841	-	8.958	-	-	-	-	-	-	-	-	25.799								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	16.841	-	8.958	-	-	-	-	-	-	-	-	25.799								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	16.841	-	8.958	-	-	-	-	-	-	-	-	25.799								
<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>)	-	0.014	-	-	-	-	-	-	-	-	-	0.014								
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: [P5 /]: 1U060: Integrated Communications and Data System (ICADS) (AN/URC-148(V)) is a Chief of Naval Operations (CNO) directed mission critical system which provides a limited back-up, mobile communications capability. ICADS is a system of systems capability which re-establishes command and control for high value unit, subordinate units, and controlling fleet entities. ICADS was a Rapid Deployment Capability (RDC) designated by Assistant Secretary of the Navy (Research, Development and Acquisitions). Specific program details and capabilities held at a higher classification. [P5 /]: ICADS (AN/URC-148(V1)) is critical need requirement outlined by Operational Fleet Commanders as a supplemental capability to the existing delivered AN/URC-148(V) systems. (V1) is a limited capability variant design providing limited transmit capability in the same carry-on type manner based on the AN/UST-1 design. Specific program details and capabilities held at a higher classification.																				
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)
Item - 1 / Electronic Warfare MILDEC	P-5		-	-	16.841	-	-	-	-	-	8.958	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	16.841	-	-	-	-	-	8.958	-	-	-	-	-	-	-	-	-
*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: FY14 funds will procure 3 ICADS (AN/URC-148(V1)) and 4 Engineering Change Proposals (ECPs).																				

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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 02: Communications & Electronics Equip / BSA 2: Ship Sonars		P-1 Line Item Number / Title: 2188 / Electronic Warfare MILDEC
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 2							P-1 Line Item Number / Title: 2188 / Electronic Warfare MILDEC							Item Number / Title [DODIC]: 1 / Electronic Warfare MILDEC							
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>					16.841			-			8.958			-			-			-	
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Net Procurement (P1) <i>(\$ in Millions)</i>					16.841			-			8.958			-			-			-	
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Total Obligation Authority <i>(\$ in Millions)</i>					16.841			-			8.958			-			-			-	
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																					
Initial Spares <i>(\$ in Millions)</i>					-			0.014			-			-			-			-	
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</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 (\$ 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)	
Flyaway - Electronic Warfare MILDEC - 1U060 ICADS Cost																					
Non Recurring Cost																					
1.1.1) ICADS			14,005.000	1	14.005	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.2) ICADS Engineering Change Proposals (ECPs)			520.000	4	2.080	-	-	-	520.000	4	2.080	-	-	-	-	-	-	-	-		
Subtotal: Non Recurring Cost			-	-	16.085	-	-	-	-	-	2.080	-	-	-	-	-	-	-	-		
Subtotal: Flyaway - Electronic Warfare MILDEC - 1U060 ICADS Cost			-	-	16.085	-	-	-	-	-	2.080	-	-	-	-	-	-	-	-		
Flyaway - Electronic Warfare MILDEC - 1U061 ICADS Variant Cost																					
Non Recurring Cost																					
2.1.1) Variant			-	-	-	-	-	-	2,114.333	3	6.343	-	-	-	-	-	-	-	-		
Subtotal: Non Recurring Cost			-	-	-	-	-	-	-	-	6.343	-	-	-	-	-	-	-	-		
Subtotal: Flyaway - Electronic Warfare MILDEC - 1U061 ICADS Variant Cost			-	-	-	-	-	-	-	-	6.343	-	-	-	-	-	-	-	-		
Support - 1U555 Production Support Cost																					
3.1) Production Support			-	-	0.756	-	-	-	-	-	0.535	-	-	-	-	-	-	-	-		
Subtotal: Support - 1U555 Production Support Cost			-	-	0.756	-	-	-	-	-	0.535	-	-	-	-	-	-	-	-		
Gross/Weapon System Cost			-	-	16.841	-	-	-	-	-	8.958	-	-	-	-	-	-	-	-		

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment							P-1 Line Item Number / Title: 2210 / Submarine Acoustic Warfare 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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	44.623	14.312	20.937	24.221	-	24.221	25.129	25.981	26.325	30.098	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	44.623	14.312	20.937	24.221	-	24.221	25.129	25.981	26.325	30.098	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	44.623	14.312	20.937	24.221	-	24.221	25.129	25.981	26.325	30.098	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>)	-	0.316	0.239	0.360	-	0.360	0.403	0.649	0.534	0.701	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 Acoustic Warfare System (SAWS) program provides submarines with reactive defensive expendable countermeasure capability against torpedoes and the means to reduce the effectiveness of enemy acoustic sensors. This program provides ongoing production of countermeasure devices needed to sustain fleet inventories, production of improvements to enhance the readiness and effectiveness of countermeasure devices and associated inboard and outboard countermeasure launcher systems.												
[P40A / WM014 6 INCH]: WM014 6" Diameter Countermeasures - Procures the 6" Countermeasure Launch Tube, Acoustic Device Countermeasure (ADC) MK3 (Torpedo), ADC MK4 (Sound Navigation and Ranging (SONAR)), Engineering Change Proposals (ECPs), and Configuration Control to maintain fleet inventory levels to meet Naval Munition Requirements Plan (NMRP).												
[P40A / WM015 3 INCH]: WM015 3" Diameter Countermeasures - Procures Noise Acoustic Emitter (NAE) BEACON, ADC MK2 MOD 3 & 5 and provides for Engineering Change Proposals (ECPs) and Configuration Control. ADC MK5 from the Next Generation Countermeasure Program will be procured beyond the FYDP.												
[P40A / WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)]: Procures acoustic augmenting devices in appropriate configurations for all submarine platforms, currently installed as temporary equipment. SHIPALT is in development, which will start installations in FY16.												
[P40A / WM019 CSA]: WM019 Engineering Changes - Procures engineering changes in support of SAWS including Countermeasures Set Acoustic (CSA) system Torpedo Defense Console (TDC), Launch Control Panels (LCPs), CSA support system assets, and corrects obsolescence.												
[P40A / WM022 GAS GENERATOR MK77]: WM022 Gas Generator (GG) MK 77 - Procures the propulsion components required to launch the ADC MK3 and ADC MK4 Countermeasure devices from the External Countermeasure Launchers (ECLs) on the later classes of submarines.												
[P40A / WM830 PRODUCTION ENGINEERING]: WM830 Production Engineering - Procures production engineering services for SAWS Technical Design Agent (TDA) and In-Service Engineering Agent (ISEA).												
[P40A / WM900 CONSULTING SERVICES]: WM900 Consulting Services - Procures contractor consulting and professional support services for SAWS.												

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment										P-1 Line Item Number / Title: 2210 / Submarine Acoustic Warfare System									
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)
Submarine Acoustic Warfare System	P-40a		-	-	44.623	-	-	14.312	-	-	20.937	-	-	24.221	-	-	-	-	-	24.221
Total Gross/Weapon System Cost			-	-	44.623	-	-	14.312	-	-	20.937	-	-	24.221	-	-	-	-	-	24.221

*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 / 02 / 3									P-1 Line Item Number / Title: 2210 / Submarine Acoustic Warfare System							Aggregated Items Title: Submarine Acoustic Warfare 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) WM014 6 INCH																					
1.1) 6" Countermeasure Launch Tube ⁽¹⁾	A		29,601.35	444	13.143	-	-	-	11,560.00	75	0.867	-	-	-	-	-	-	-	-	-	
1.2) ADC MK3 (TORPEDO) ⁽²⁾	A		29,059.65	285	8.282	34,400.00	125	4.300	33,200.00	70	2.324	45,576.76	76	3.464	-	-	-	45,576.76	76	3.464	
1.3) ADC MK4 (SONAR) ⁽³⁾	A		-	-	-	-	-	-	-	-	-	52,932.89	21	1.112	-	-	-	52,932.89	21	1.112	
Subtotal: 1) WM014 6 INCH			-	-	21.425	-	-	4.300	-	-	3.191	-	-	4.576	-	-	-	-	-	4.576	
2) WM015 3 INCH																					
2.1) NAE BEACON	A		7,498.83	429	3.217	-	-	-	6,604.48	670	4.425	6,729.97	700	4.711	-	-	-	6,729.97	700	4.711	
2.2) ADC MK2 MOD3/5 ⁽⁴⁾	A		5,450.09	1,162	6.333	-	-	-	5,664.29	280	1.586	-	-	-	-	-	-	-	-	-	
2.3) NGCM (MK5)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) WM015 3 INCH			-	-	9.550	-	-	-	-	-	6.011	-	-	4.711	-	-	-	-	-	4.711	
3) WM017 ACOUSTIC INTERCEPT (AI)																					
3.1) ACOUSTIC INTERCEPT (AI)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) WM017 ACOUSTIC INTERCEPT (AI)			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4) WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)																					
4.1) ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)	A		-	-	0.838	-	-	0.800	-	-	1.380	1,230K	1	1.230	-	-	-	1,230K	1	1.230	
Subtotal: 4) WM018 ACOUSTIC AUGMENTATION SUPPORT PROGRAM (AASP)			-	-	0.838	-	-	0.800	-	-	1.380	-	-	1.230	-	-	-	-	-	1.230	
5) WM019 CSA																					
5.1) CSA ISEA	A		-	-	2.270	-	-	0.706	-	-	0.706	-	-	0.727	-	-	-	-	-	0.727	
5.2) CSA MK3 ENGINEERING CHANGE (LAN, SWFTS, TDA) ⁽⁵⁾	A		-	-	0.700	-	-	1.300	-	-	3.131	-	-	2.760	-	-	-	-	-	2.760	
5.3) CSA MK2 MOD0 OBSOLESCENCE ⁽⁶⁾	A		-	-	-	-	-	0.321	-	-	1.094	-	-	1.694	-	-	-	-	-	1.694	
5.4) CSA MK2 MOD2 CONVERSION ⁽⁷⁾	A		-	-	-	-	-	0.700	-	-	1.005	-	-	2.991	-	-	-	-	-	2.991	

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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 / 02 / 3							P-1 Line Item Number / Title: 2210 / Submarine Acoustic Warfare System								Aggregated Items Title: Submarine Acoustic Warfare 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)
Subtotal: 5) WM019 CSA			-	-	2.970	-	-	3.027	-	-	5.936	-	-	8.172	-	-	-	-	-	8.172
6) WM022 GAS GENERATOR MK77																				
6.1) GAS GENERATOR MK77 (8)	A		10,099.53	643	6.494	10,334.09	443	4.578	10,508.00	250	2.627	10,707.65	350	3.748	-	-	-	10,707.65	350	3.748
Subtotal: 6) WM022 GAS GENERATOR MK77			-	-	6.494	-	-	4.578	-	-	2.627	-	-	3.748	-	-	-	-	-	3.748
7) WM830 PRODUCTION ENGINEERING																				
7.1) PRODUCTION ENGINEERING	A		-	-	2.916	-	-	1.357	-	-	1.481	-	-	1.328	-	-	-	-	-	1.328
Subtotal: 7) WM830 PRODUCTION ENGINEERING			-	-	2.916	-	-	1.357	-	-	1.481	-	-	1.328	-	-	-	-	-	1.328
8) WM900 CONSULTING SERVICES																				
8.1) CONSULTING SERVICES	A		-	-	0.430	-	-	0.250	-	-	0.311	-	-	0.456	-	-	-	-	-	0.456
Subtotal: 8) WM900 CONSULTING SERVICES			-	-	0.430	-	-	0.250	-	-	0.311	-	-	0.456	-	-	-	-	-	0.456
Total			-	-	44.623	-	-	14.312	-	-	20.937	-	-	24.221	-	-	-	-	-	24.221

Footnotes:

- (1) WM014 6 Inch Countermeasure Launch Tubes - In FY15 and out Launch Tubes are included with the procurement of 6" devices.
- (2) WM014 6 Inch ADC MK3 - In FY15 and out Launch Tubes are included with the procurement of 6" devices, hence larger unit cost assumed for ADC MK3.
- (3) WM014 6 Inch ADC MK4 - In FY15 and out Launch Tubes are included with the procurement of 6" devices, hence larger unit cost assumed for ADC MK4.
- (4) WM015 ADC MK2s - Zero ADC MK2s procured in FY15 due to new contract. FY16 through FY19 procurements will be in conjunction with the SSTD program budget line item 3113 and will replenish fleet inventory.
- (5) WM019 CSA MK2 MOD0 - Congressional mark in FY14 due to "CSA cost growth" resulted in reduced allocation to CSA Engineering Change.
- (6) WM019 CSA MK2 MOD0 - Congressional mark in FY14 due to "CSA cost growth" resulted in reduced allocation and slowing CSA obsolescence change.
- (7) WM019 CSA MK2 MOD0 - Congressional mark in FY14 due to "CSA cost growth" resulted in reduced allocation and slowing of CSA MK2 MOD2 conversion to CSA MK4 for Virginia Block I & II ships.
- (8) WM022 Gas Generator (GG) MK77 fluctuation in quantities is due to a combination of three factors: qualification and availability of the Mod1 GG starting with LRIP in FY14, expiring lots of the butarez energetic component and continuing rework using those remaining Mod0 GG, and the need to build the inventory to Naval Munitions Requirement Plan (NMRP) levels and then reduce production rate to more steady state Non Combat Expenditure Allowance (NCEA) level.

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment							P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)					
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)	129.312	9.870	-	12.051	-	12.051	22.163	24.622	33.153	44.916	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	129.312	9.870	-	12.051	-	12.051	22.163	24.622	33.153	44.916	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	129.312	9.870	-	12.051	-	12.051	22.163	24.622	33.153	44.916	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	1.722	-	-	-	0.380	0.330	0.840	0.660	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:

The Surface Ship Torpedo Defense (SSTD) program provides a detect-to-engage layered torpedo defense capability. It is comprised of four major efforts, the AN/SLQ-25 (NIXIE) system, Torpedo Warning System (TWS), the Countermeasure Anti-Torpedo (CAT) and Acoustic Device Countermeasure (ADC MK2 Mod4). The CAT and ADC MK2 programs are funded with WPN.

WL101 AN/SLQ-25A UPGRADE KITS
Procures the upgrade to the AN/SLQ-25 (NIXIE) towed acoustic countermeasure system. The AN/SLQ-25C enhances ship survivability against future torpedo threats. The upgrades include a more reliable power amplifier, Commercial-off-the-shelf (COTS) Signal Generator with new operational capability, a new Littoral Fiber Optic Tow Cable (LFOTC) for operations in shallow water, and enhanced EC-16 capability (details classified).

WL102 Torpedo Warning System (TWS)
Procures the Torpedo Warning System (TWS). TWS is an automated Torpedo Detection, Classification, and Localization (TDCL) system that generates warning alerts on incoming threat torpedoes as well as the Tactical Control and Ready Stow launch support for autonomous Countermeasure Anti-Torpedo (CAT) hard-kill countermeasures. The TWS consists of towed active acoustic source and receive sensors, processing cabinets and workstations, and CAT Ready Stows mounted port and starboard.

WL103 AN/SLQ-25X (TWS COMPATIBLE NIXIE SYSTEM)
The solicitation for AN/SLQ-25X was cancelled.

WL104 AN/SLQ-25C EC-2()
Procures upgrade kits to bring AN-SLQ25C up to the EC-2 configuration which provides upgrades to winch, open architecture transmitting cabinet and anti-tamper technology. The EC-2 upgrade will enable integration between the AN/SLQ system and the TWS system and increases the reliability and maintainability of the AN/SLQ-25 system. The upgrade will also eliminate several obsolete parts in the AN/SLQ-25C system.

WL105 AN/SLQ-25C CVN BATTLE SPARE
In FY10 procured 1 AN/SLQ-25C for use as a replacement end item in the event of significant damage to a fleet system. Without this spare, a ship will go unprotected in excess of one year until a replacement system can be procured. The Battle Spare will be maintained at the latest configuration baseline.

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment												P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
WL106 ENGINEERING CHANGES Software update to fix AN/SLQ-25C outstanding issues which could render key functions inoperable without notification. Effort decreases potential vulnerability against torpedo threat. _____The Surface Ship Torpedo Defense program uses P-40 resources to fund ISEA support to the Fleet, government oversight of contractor production and contractor consulting services. WL830 PRODUCTION ENGINEERING (IN-HOUSE) Funding provides specification preparation and validation, production planning, contract deliverable monitoring, prime contractor monitoring for cost, schedule, and performance and ILS planning, review and evaluation of obsolescence issues, and coordination of government furnished information (GFI) and government furnished equipment (GFE). WL840 QUALITY ASSURANCE (IN-HOUSE) Funding under this cost code provides for quality assurance efforts including conducting quality assurance reviews of the contractor and subcontractors, documentation indicating contractor conformity to product performance requirements, and review of objective quality evidence. WL860 ACCEPTANCE TEST & ENGINEERING Funding under this cost code provides for production acceptance of contractor hardware. WL900 PRODUCTION ENGINEERING (OUT-HOUSE) Consulting services for FY12 and prior provide production monitoring, installation planning and coordination support. WL900 CONSULTING SERVICES Funding under this cost code provides for contractor support to the program office for production monitoring, installation planning and coordination support. WL905 PRODUCTION ENGINEERING CONTRACTOR Funding under this cost code provides for production engineering tasks performed by the hardware contractor.																					
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 Ship Torpedo Def (SSTD)	P-40a		-	-	13.844	-	-	1.410	-	-	-	-	-	4.271	-	-	-	-	-	4.271	
P-3a - 1 / WL101 AN/SLQ25A UPGRADE KITS	P-3a		-	-	111.200	-	-	1.875	-	-	-	-	-	1.398	-	-	-	-	-	1.398	
P-3a - 2 / WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE	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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)

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 / WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	P-3a		-	-	3.788	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / WL104 AN-SLQ25C EC-2 ()	P-3a		-	-	0.480	-	-	6.585	-	-	-	-	-	6.382	-	-	-	-	-	6.382
Total Gross/Weapon System Cost			-	-	129.312	-	-	9.870	-	-	-	-	-	12.051	-	-	-	-	-	12.051
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)
Surface Ship Torpedo Def (SSTD)	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / WL101 AN/SLQ25A UPGRADE KITS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	114.473
P-3a - 2 / WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE	P-3a		-	-	8.700	-	-	11.491	-	-	19.696	-	-	28.471	-	-	198.122	-	-	266.480
P-3a - 3 / WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.788
P-3a - 4 / WL104 AN-SLQ25C EC-2 ()	P-3a		-	-	7.874	-	-	4.879	-	-	3.990	-	-	6.535	-	-	-	-	-	36.725
Total Gross/Weapon System Cost			-	-	22.163	-	-	24.622	-	-	33.153	-	-	44.916	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 / 02 / 3						P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)								Aggregated Items Title: Surface Ship Torpedo Def (SSTD)						
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) WL105 AN-SLQ-25C CVN BATTLE SPARE																				
1.1) HARDWARE	A		-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) WL105 AN-SLQ-25C CVN BATTLE SPARE			-	-	1.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) WL106 ENGINEERING CHANGE ⁽¹⁾																				
2.1) EC-1 UPDATE	A		-	-	-	-	-	-	-	-	-	-	-	0.700	-	-	-	-	-	0.700
Subtotal: 2) WL106 ENGINEERING CHANGE			-	-	0.000	-	-	-	-	-	-	-	-	0.700	-	-	-	-	-	0.700
3) WL830 PRODUCTION ENGINEERING																				
3.1) PRODUCTION ENGINEERING IN-HOUSE	A		-	-	11.419	-	-	0.500	-	-	-	-	-	0.499	-	-	-	-	-	0.499
Subtotal: 3) WL830 PRODUCTION ENGINEERING			-	-	11.419	-	-	0.500	-	-	-	-	-	0.499	-	-	-	-	-	0.499
4) WL840 QUALITY ASSURANCE (IN-HOUSE)																				
4.1) QUALITY ASSURANCE (IN-HOUSE) ⁽²⁾	A		-	-	-	-	-	0.100	-	-	-	-	-	0.764	-	-	-	-	-	0.764
Subtotal: 4) WL840 QUALITY ASSURANCE (IN-HOUSE)			-	-	0.000	-	-	0.100	-	-	-	-	-	0.764	-	-	-	-	-	0.764
5) WL860 ACCEPTANCE TEST AND ENGINEERING																				
5.1) Acceptance Test & Engineering ⁽³⁾	A		-	-	-	-	-	0.100	-	-	-	-	-	0.724	-	-	-	-	-	0.724
Subtotal: 5) WL860 ACCEPTANCE TEST AND ENGINEERING			-	-	0.000	-	-	0.100	-	-	-	-	-	0.724	-	-	-	-	-	0.724
6) WL900 SERVICES																				
6.1) PRODUCTION ENGINEERING (OUT-HOUSE) ⁽⁴⁾	A		-	-	0.925	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) CONSULTING SERVICES	A		-	-	-	-	-	0.510	-	-	-	-	-	0.584	-	-	-	-	-	0.584
Subtotal: 6) WL900 SERVICES			-	-	0.925	-	-	0.510	-	-	-	-	-	0.584	-	-	-	-	-	0.584
7) WL905 PRODUCTION ENGINEERING CONTRACTOR																				
7.1) PRODUCTION ENGINEERING CONTRACTOR	A		-	-	-	-	-	0.200	-	-	-	-	-	1.000	-	-	-	-	-	1.000
Subtotal: 7) WL905 PRODUCTION			-	-	0.000	-	-	0.200	-	-	-	-	-	1.000	-	-	-	-	-	1.000

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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 / 02 / 3						P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)										Aggregated Items Title: Surface Ship Torpedo Def (SSTD)				
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 CONTRACTOR																				
Total			-	-	13.844	-	-	1.410	-	-	-	-	-	4.271	-	-	-	-	-	4.271

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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 / 02 / 3						P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)							Aggregated Items Title: Surface Ship Torpedo Def (SSTD)							
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) WL105 AN-SLQ-25C CVN BATTLE SPARE																				
1.1) HARDWARE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) WL105 AN-SLQ-25C CVN BATTLE SPARE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) WL106 ENGINEERING CHANGE ⁽¹⁾																				
2.1) EC-1 UPDATE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) WL106 ENGINEERING CHANGE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) WL830 PRODUCTION ENGINEERING																				
3.1) PRODUCTION ENGINEERING IN-HOUSE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) WL830 PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) WL840 QUALITY ASSURANCE (IN-HOUSE)																				
4.1) QUALITY ASSURANCE (IN-HOUSE) ⁽²⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) WL840 QUALITY ASSURANCE (IN-HOUSE)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) WL860 ACCEPTANCE TEST AND ENGINEERING																				
5.1) Acceptance Test & Engineering ⁽³⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) WL860 ACCEPTANCE TEST AND ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) WL900 SERVICES																				
6.1) PRODUCTION ENGINEERING (OUT-HOUSE) ⁽⁴⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) CONSULTING SERVICES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) WL900 SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) WL905 PRODUCTION ENGINEERING CONTRACTOR																				
7.1) PRODUCTION ENGINEERING CONTRACTOR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) WL905 PRODUCTION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 3								P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)								Aggregated Items Title: Surface Ship Torpedo Def (SSTD)			

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)
ENGINEERING CONTRACTOR																				
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) Software update to fix AN/SLQ-25C outstanding issues to maintain key function operability against torpedo threat.
- (2) Associated Quality Assurance (WL840) FY13 funding of \$508K moved to AN/SLQ-25C EC 2 (WL104) in support of restructure of AN/SLQ-25.
- (3) Associated Acceptance Testing and Engineering (WL860) FY13 funding of \$1,400K moved to AN/SLQ-25C EC 2 in support of restructure of AN/SLQ-25.
- (4) FY14 appropriation Act directed the restructure of the AN/SLQ-25 program. Planned efforts in FY14 will be accomplished in FY15 to execute the restructured program.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)	Modification Number / Title: 1 / WL101 AN/SLQ25A UPGRADE 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>)	111.200	1.875	-	1.398	-	1.398	-	-	-	-	-	114.473
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	111.200	1.875	-	1.398	-	1.398	-	-	-	-	-	114.473
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	111.200	1.875	-	1.398	-	1.398	-	-	-	-	-	114.473
(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:

Upgrade AN/SLQ-25A System to AN/SLQ-25C. Upgrade kits include the following engineering changes: EC-4/9/10/12/13/14/15/16/17.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)					Modification Number / Title: 1 / WL101 AN/SLQ25A UPGRADE 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: WL101 AN/SLQ25A UPGRADE KITS													
B Kits													
Recurring													
1.1.1) 25A MODIFICATION KITS - NonOrganic ⁽⁵⁾		214 / 51.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	214 / 51.700	
1.1.2) OTHER (CONG PLUS-UP) - NonOrganic		- / 34.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 34.100	
1.1.3) OTHER (DEC CONG PLUS-UP) - NonOrganic		- / 5.700	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.700	
Subtotal: Recurring		- / 91.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 91.500	
Subtotal: WL101 AN/SLQ25A UPGRADE KITS		214 / 91.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	214 / 91.500	
Subtotal: Procurement, All Modification Items		- / 91.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 91.500	
Installation													
Modification Item 1 of 1: WL101 AN/SLQ25A UPGRADE KITS		- / 19.700	- / 1.875	- / -	- / 1.398	- / -	- / 1.398	- / -	- / -	- / -	- / -	- / 22.973	
Subtotal: Installation		- / 19.700	- / 1.875	- / -	- / 1.398	- / -	- / 1.398	- / -	- / -	- / -	- / -	- / 22.973	
Total													
Total Cost (Procurement + Support + Installation)		111.200	1.875	-	1.398	-	1.398	-	-	-	-	114.473	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)	Modification Number / Title: 1 / WL101 AN/SLQ25A UPGRADE KITS

Modification Item 1 of 1: WL101 AN/SLQ25A UPGRADE KITS

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/SHIPYARD : Installation Name: 25A MODIFICATION KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	211 / 19.700	2 / 1.875	- / -	1 / 1.398	- / 0.000	1 / 1.398	- / -	- / -	- / -	- / -	- / -	214 / 22.973
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	211 / 19.700	2 / 1.875	- / -	1 / 1.398	- / -	1 / 1.398	- / -	- / -	- / -	- / -	- / -	214 / 22.973

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	211	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214
Out	211	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	214

Footnotes:

⁽⁵⁾ FY15 installation plan includes 1 upgrade kit on LSD-42. Planned FY14 25A-C LSD-48 moved to FY13.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)	Modification Number / Title: 2 / WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE

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	-	-	-	-	-	8.700	11.491	19.696	28.471	198.122	266.480
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	8.700	11.491	19.696	28.471	198.122	266.480
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	8.700	11.491	19.696	28.471	198.122	266.480

(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:

[TWS EQUIPMENT] TWS system provides torpedo detection, classification and localization of threat torpedos. Subfunctional groups include the Target Acquisition Group, Tactical Control Group and the Ready Stow Group.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)					Modification Number / Title: 2 / WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE				
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: WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE													
B Kits													
Recurring													
1.1.1) TWS EQUIPMENT - NonOrganic ⁽⁶⁾		- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.300	1 / 8.450	2 / 15.848	3 / 24.601	40 / 40.369	47 / 97.568
1.1.2) ENG CHANGE PROPOSALS ECPS - Organic		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400	- / 0.708	- / 0.700	- / 0.700	- / -	- / 2.508
Subtotal: Recurring		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 8.700	- / 9.158	- / 16.548	- / 25.301	- / 40.369	- / 100.076
Subtotal: WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE		- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.700	1 / 9.158	2 / 16.548	3 / 25.301	40 / 40.369	47 / 100.076
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 8.700	- / 9.158	- / 16.548	- / 25.301	- / 40.369	- / 100.076
Installation													
Modification Item 1 of 1: WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.333	- / 3.148	- / 3.170	- / 157.753	- / 166.404
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.333	- / 3.148	- / 3.170	- / 157.753	- / 166.404
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	-	-	-	8.700	11.491	19.696	28.471	198.122	266.480

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)										Modification Number / Title: 2 / WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE												
Modification Item 1 of 1: WL102 TORPEDO WARNING SYSTEM (TWS) HARDWARE																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: TBD ⁽⁷⁾													Manufacturer Location: >TBD																			
Administrative Leadtime <i>(in Months)</i> : 12													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 2015			May 2016			May 2017			May 2018															
Delivery Dates								Jul 2016			May 2017			May 2018			May 2019															
Installation Information																																
Method of Implementation: AIT/SHIPYARD : Installation Name: TWS 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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.333	- / -	- / -	- / -	1 / 2.333																			
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.148	- / -	- / -	1 / 3.148																			
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.170	1 / 3.632	2 / 6.802																			
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.040	3 / 10.040																			
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 144.081	40 / 144.081																			
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.333	1 / 3.148	1 / 3.170	44 / 157.753	47 / 166.404																			
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	-	44	47
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	-	1	-	44	47
Footnotes:																																
⁽⁶⁾ TWS system provides torpedo detection, classification and localization of threat torpedos. Subfunctional groups include the Target Acquisition Group, Tactical Control Group and the Ready Stow Group.																																
⁽⁷⁾ FY16 and out is 12 months Production Lead Time																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)	Modification Number / Title: 3 / WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE

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>	3.788	-	-	-	-	-	-	-	-	-	-	3.788
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.788	-	-	-	-	-	-	-	-	-	-	3.788
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.788	-	-	-	-	-	-	-	-	-	-	3.788

(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:

AN/SLQ-25X has been cancelled.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)				Modification Number / Title: 3 / WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE					
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: WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE													
B Kits													
Recurring													
1.1.2) FY10 CONG ADD (WLCA3) - Organic		1 / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.200	
1.1.3) WLCA3 PROD ENG & INT TEST - Organic		- / 1.588	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.588	
Subtotal: Recurring		- / 3.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.788	
Subtotal: WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE		1 / 3.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.788	
Subtotal: Procurement, All Modification Items		- / 3.788	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.788	
Installation													
Subtotal: Installation		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)		3.788	-	-	-	-	-	-	-	-	-	3.788	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3			P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)			Modification Number / Title: 3 / WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE	
Modification Item 1 of 1: WL103 AN/SLQ-25X (TWS COMPATIBLE SYSTEM) HARDWARE							
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): Not Installed - FY10 CONG ADD (WLCA3)					Installation Quantity: 1		

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)				Modification Number / Title: 4 / WL104 AN-SLQ25C EC-2 ()			

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 (\$ in Millions)	0.480	6.585	-	6.382	-	6.382	7.874	4.879	3.990	6.535	-	36.725
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.480	6.585	-	6.382	-	6.382	7.874	4.879	3.990	6.535	-	36.725
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.480	6.585	-	6.382	-	6.382	7.874	4.879	3.990	6.535	-	36.725
(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:

Procures upgrade kits and engineering changes to bring AN-SLQ25C up to the EC-2 configuration which extends the systems useful military life, by upgrading the winch, open architecture transmitting cabinet and anti-tamper technology. The upgrade will eliminate several obsolete parts in the AN/SLQ-25C system and increase the reliability and maintainability of the system. The EC-2 upgrade will enable integration between the AN/SLQ system and the TWS system.

Note: In FY15 various hardware being procured to support the 25C EC configuration for the 25C winch and electronics cabinet.

[AN-SLQ25C EC-2 () ENGINEERING CHANGE] FY2014 Appropriation Act directed the restructure of AN/SLQ-25. FY15 will begin the restructure of the AN/SLQ-25 with engineering change design to enable integration between the AN/SLQ-25 system and the Torpedo Warning System (TWS) and increase reliability and maintainability of the AN/SLQ-25 system.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)					Modification Number / Title: 4 / WL104 AN-SLQ25C EC-2 ()				
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: WL104 AN-SLQ25C EC-2 ()													
B Kits													
Recurring													
1.1.1) 25C EC2 EQUIPMENT - NonOrganic	1 / 0.480	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.480	
1.1.2) AN-SLQ25C EC-2 () ENGINEERING CHANGE - NonOrganic	- / -	- / -	- / -	2 / 3.382	- / -	2 / 3.382	- / 7.497	- / 4.105	- / 3.990	- / 6.535	- / -	2 / 25.509	
1.1.3) NON-RECURRING HARDWARE COSTS - Organic	- / -	- / 6.434	- / -	- / 3.000	- / -	- / 3.000	- / 0.377	- / -	- / -	- / -	- / -	- / 9.811	
Subtotal: Recurring	- / 0.480	- / 6.434	- / -	- / 6.382	- / -	- / 6.382	- / 7.874	- / 4.105	- / 3.990	- / 6.535	- / -	- / 35.800	
Subtotal: WL104 AN-SLQ25C EC-2 ()	1 / 0.480	- / 6.434	- / -	2 / 6.382	- / -	2 / 6.382	- / 7.874	- / 4.105	- / 3.990	- / 6.535	- / -	3 / 35.800	
Subtotal: Procurement, All Modification Items	- / 0.480	- / 6.434	- / -	- / 6.382	- / -	- / 6.382	- / 7.874	- / 4.105	- / 3.990	- / 6.535	- / -	- / 35.800	
Installation													
Modification Item 1 of 1: WL104 AN-SLQ25C EC-2 ()	- / 0.000	- / 0.151	- / -	- / -	- / -	- / -	- / -	- / 0.774	- / -	- / -	- / -	- / 0.925	
Subtotal: Installation	- / 0.000	- / 0.151	- / -	- / -	- / -	- / -	- / -	- / 0.774	- / -	- / -	- / -	- / 0.925	
Total													
Total Cost (Procurement + Support + Installation)	0.480	6.585	-	6.382	-	6.382	7.874	4.879	3.990	6.535	-	36.725	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3											P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)											Modification Number / Title: 4 / WL104 AN-SLQ25C EC-2 ()										
Modification Item 1 of 1: WL104 AN-SLQ25C EC-2 ()																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Argon ⁽⁸⁾														Manufacturer Location: >Union Town, PA																		
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		Jan 2013								Jan 2015				Jan 2016				Jan 2017				Jan 2018				Jan 2019						
Delivery Dates		Mar 2014								Mar 2016				Mar 2017				Mar 2018				Mar 2019				Mar 2020						
Installation Information																																
Method of Implementation: AIT/Shipyard : Installation Name: 25C EC2 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 / 0.151		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.151						
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		1 / 0.151		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.151						
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		
Out	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1		
Method of Implementation: [none specified] : Installation Name: AN-SLQ25C EC-2 () ENGINEERING CHANGE																																
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2213 / Surface Ship Torpedo Def (SSTD)	Modification Number / Title: 4 / WL104 AN-SLQ25C EC-2 ()

Modification Item 1 of 1: WL104 AN-SLQ25C EC-2 ()

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: AN-SLQ25C EC-2 () ENGINEERING CHANGE

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.774	- / -	- / -	- / -	2 / 0.774
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.774	- / -	- / -	- / -	2 / 0.774

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

Footnotes:

⁽⁸⁾ Administrative lead time is 6-9 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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment							P-1 Line Item Number / Title: 2225 / Fixed Surveillance 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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost (<i>\$ in Millions</i>)	748.747	104.910	94.338	170.831	-	170.831	148.027	151.666	88.290	90.215	Continuing	Continuing	
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) (<i>\$ in Millions</i>)	748.747	104.910	94.338	170.831	-	170.831	148.027	151.666	88.290	90.215	Continuing	Continuing	
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (<i>\$ in Millions</i>)	748.747	104.910	94.338	170.831	-	170.831	148.027	151.666	88.290	90.215	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: Additional details with respect to this line item are held at a higher classification. This line item is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. [P40A / Classified (2225)]: Additional details with respect to this line item are held at a higher classification. This line item is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress. [P40A / Classified (222506)]: Additional details with respect to this line item are held at a higher classification. This line item is reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.													

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)
Fixed Surveillance System	P-40a		-	-	748.747	-	-	104.910	-	-	94.338	-	-	170.831	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	748.747	-	-	104.910	-	-	94.338	-	-	170.831	-	-	-	-	170.831	

*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 / 02 / 3							P-1 Line Item Number / Title: 2225 / Fixed Surveillance System							Aggregated Items Title: Fixed Surveillance 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) Classified																				
1.1) Classified (2225)	A		-	-	696.455	-	-	98.413	-	-	87.715	-	-	164.094	-	-	-	-	-	164.094
1.2) Classified (222506)	A		-	-	52.292	-	-	6.497	-	-	6.623	-	-	6.737	-	-	-	-	-	6.737
Subtotal: 1) Classified			-	-	748.747	-	-	104.910	-	-	94.338	-	-	170.831	-	-	-	-	-	170.831
Total			-	-	748.747	-	-	104.910	-	-	94.338	-	-	170.831	-	-	-	-	-	170.831

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment						P-1 Line Item Number / Title: 2237 / SURTASS						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0204311N				
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>)	104.792	2.572	9.680	9.619	-	9.619	8.475	3.045	10.738	10.960	-	159.88
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	104.792	2.572	9.680	9.619	-	9.619	8.475	3.045	10.738	10.960	-	159.88
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	104.792	2.572	9.680	9.619	-	9.619	8.475	3.045	10.738	10.960	-	159.88
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	-	0.011	0.042	-	0.042	0.518	0.044	0.644	0.045	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: PROGRAM COVERAGE: Surveillance Towed Array Sensor System (SURTASS) is the mobile, tactical, and strategic arm of the Navy's undersea surveillance capability that provides deep ocean and littoral acoustic detection and cueing for tactical weapon platforms against diesel and nuclear submarines as well as surface vessels in any given Area of Operations worldwide. Dedicated ASW T-AGOS ships tow long acoustic arrays that collect acoustic data and relay that data to shore facilities via SHF satellites for processing and fusion of the resulting contact data with other sensors. Currently, there are five T-AGOS ships operating in the Pacific area. Ship configurations are: (1) One T-AGOS Small Waterplane Area Twin Hull (SWATH) ship, a "small" SWATH-P platform, T-AGOS 22, USNS LOYAL, supporting passive operations using the TB-29A Twinline (TL-29A) array, providing improved detection and classification capability. This ship class uses the Integrated Common Processor (ICP) signal processing and display system common with the SSN ARCI Sonar Processing System, which was installed in 4QFY12; (2) One Low Frequency Active (LFA) equipped ship, T-AGOS 23 USNS IMPECCABLE, the first "large" SWATH-A, configured with the ICP Processing and Display system, the TL-29A array, and the Low Frequency Active (LFA) transmit capability. The active capability provides greatly improved detection against diesel submarines as well as the quiet nuclear submarine threat; (3) Three T-AGOS SWATH-P platforms, T-AGOS 20 USNS ABLE, T-AGOS 21 USNS EFFECTIVE, and T-AGOS 19 USNS VICTORIOUS, supporting passive/active operations, configured with the TL-29A array, the ICP processing and display system, and the Compact Low Frequency Active (CLFA) transmit capability. USNS ABLE is outfitted with the RDT&E,N CLFA Engineering Development Model (EDM) capability installed as part of her reactivation. USNS EFFECTIVE is outfitted with the first production CLFA capability, installed in FY11. USNS VICTORIOUS is outfitted with the second production CLFA capability, installed in FY12, completing the planned production effort. The RDT&E EDM system began its testing in FY08 and continued into FY12. Two production systems were procured under this line item - one in FY09 and one in FY10. In addition to the five platforms described above, two shore sites are configured with the ICP processing and display suites to receive the T-AGOS acoustic data via SHF satellite communication links. Major upgrades to the ship platforms include TB-29A Twinline Arrays, the ICP signal processing and display upgrade that provides improved ship and shore processing in support of the TB-29A twinline arrays and active processing, and Communication C4I upgrades. A cost sharing agreement with Japan also provides a shore site and two Japanese SWATH ships with similar capability to the T-AGOS SWATH ships for the Western Pacific region. Japanese Auxiliary Ocean Surveillance (JAOS) ships were upgraded with Twinline A180R passive receive arrays in FY04, and were updated with the ICP in FY09.												

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment										P-1 Line Item Number / Title: 2237 / SURTASS									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: 0204311N									

[P3A / VG006 - Prior Year Funding]: VG006
Upgrade Procurement - Integrated Common Processor (ICP) signal processing and display upgrade for SURTASS platforms, ICP signal processing and display upgrade for J-AOS, twinline arrays, twinline array support equipment, ICP Shore OPS and Maintenance trainers at NOPF Dam Neck, VA and NOPF Whidbey Island, WA, SURTASS Team Trainers, Configuration Control Model (CCM) Tech Refresh systems, and Engineering Measurements Program (EMP) Tech Refresh Systems.

[P3A - 6 / VG007 - Field Changes/Modifications]: VG007
Field Changes/Modifications - Provide for correction of deficiencies identified by Fleet use, array support equipment, communications equipment, and replacement of aging/unsupportable equipment.

VG776
Installation of Equipment - Installation Agents: SSC LANT, SSC PAC, Military Sealift Command, Lockheed Martin, and General Dynamics.

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 / VG006 - Prior Year Funding	P-3a		-	-	32.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / VG006 - Integrated Common Processor	P-3a		-	-	11.960	-	-	1.645	-	-	7.800	-	-	8.537	-	-	-	-	-	8.537
P-3a - 3 / VG006 - TB-29 Twinline Arrays	P-3a		-	-	44.687	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / VG006 - SURTASS Team Trainer	P-3a		-	-	2.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / VG006 - ICP Training Device	P-3a		-	-	5.100	-	-	-	-	-	0.731	-	-	-	-	-	-	-	-	-
P-3a - 6 / VG007 - Field Changes/Modifications	P-3a		-	-	8.645	-	-	0.927	-	-	1.149	-	-	1.082	-	-	-	-	-	1.082
Total Gross/Weapon System Cost			-	-	104.792	-	-	2.572	-	-	9.680	-	-	9.619	-	-	-	-	-	9.619

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 / VG006 - Prior Year Funding	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.400
P-3a - 2 / VG006 - Integrated Common Processor	P-3a		-	-	7.336	-	-	2.200	-	-	8.600	-	-	3.200	-	-	-	-	-	51.278
P-3a - 3 / VG006 - TB-29 Twinline Arrays	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	44.687

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment										P-1 Line Item Number / Title: 2237 / SURTASS										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0204311N								
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 - 4 / VG006 - SURTASS Team Trainer	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.000
P-3a - 5 / VG006 - ICP Training Device	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.831
P-3a - 6 / VG007 - Field Changes/Modifications	P-3a		-	-	1.139	-	-	0.845	-	-	2.138	-	-	7.760	-	-	-	-	-	23.685
Total Gross/Weapon System Cost			-	-	8.475	-	-	3.045	-	-	10.738	-	-	10.960	-	-	-	-	-	159.881
*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 / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 1 / VG006 - Prior Year Funding

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 (\$ in Millions)	32.400	-	-	-	-	-	-	-	-	-	-	32.400
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	32.400	-	-	-	-	-	-	-	-	-	-	32.400
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	32.400	-	-	-	-	-	-	-	-	-	-	32.400
(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:

Prior year funding

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS					Modification Number / Title: 1 / VG006 - Prior Year Funding				
Models of Systems Affected: Prior Year Funding			Modification Type: NA						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: VG006 - Prior Year Funding													
B Kits													
Recurring													
1.1.1) Prior Year Funding - Organic	2 / 32.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 32.400	
Subtotal: Recurring	- / 32.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.400	
Subtotal: VG006 - Prior Year Funding	2 / 32.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 32.400	
Subtotal: Procurement, All Modification Items	- / 32.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.400	
Installation													
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total													
Total Cost (Procurement + Support + Installation)	32.400	-	-	-	-	-	-	-	-	-	-	32.400	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3			P-1 Line Item Number / Title: 2237 / SURTASS			Modification Number / Title: 1 / VG006 - Prior Year Funding	
Modification Item 1 of 1: VG006 - Prior Year Funding							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: Various				Manufacturer Location: >Various			
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): Organic - Prior Year Funding					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 / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 2 / VG006 - Integrated Common Processor

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>)	11.960	1.645	7.800	8.537	-	8.537	7.336	2.200	8.600	3.200	-	51.278
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.960	1.645	7.800	8.537	-	8.537	7.336	2.200	8.600	3.200	-	51.278
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.960	1.645	7.800	8.537	-	8.537	7.336	2.200	8.600	3.200	-	51.278
(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:

FY 12 procured ship sets for the SURTASS Program and associated shore processing. FY14 begins cyclical ICP Tech Refresh of hardware. FY15 procures J-AOS Tech Refresh hardware.

NOTE: ICP system configuration varies from ship to ship depending upon the type of ship arrays used (passive only, or passive and active). Accordingly, the procurement and installation costs will vary from one platform to another, depending on the configuration and the ship.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS						Modification Number / Title: 2 / VG006 - Integrated Common Processor			
Models of Systems Affected: Integrated Common Processor				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0204311N					
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> VG006 - Integrated Common Processor													
B Kits													
Recurring													
1.1.1) Integrated Common Processor - NonOrganic ⁽¹⁾	7 / 10.721	- / -	6 / 7.800	5 / 5.637	- / -	5 / 5.637	5 / 7.336	- / -	6 / 8.600	- / -	- / -	29 / 40.094	
<i>Subtotal: Recurring</i>	- / 10.721	- / -	- / 7.800	- / 5.637	- / -	- / 5.637	- / 7.336	- / -	- / 8.600	- / -	- / -	- / 40.094	
<i>Subtotal: VG006 - Integrated Common Processor</i>	7 / 10.721	- / -	6 / 7.800	5 / 5.637	- / -	5 / 5.637	5 / 7.336	- / -	6 / 8.600	- / -	- / -	29 / 40.094	
<i>Subtotal: Procurement, All Modification Items</i>	- / 10.721	- / -	- / 7.800	- / 5.637	- / -	- / 5.637	- / 7.336	- / -	- / 8.600	- / -	- / -	- / 40.094	
Installation													
<i>Modification Item 1 of 1:</i> VG006 - Integrated Common Processor	- / 1.239	- / 1.645	- / -	- / 2.900	- / -	- / 2.900	- / -	- / 2.200	- / -	- / 3.200	- / -	- / 11.184	
<i>Subtotal: Installation</i>	- / 1.239	- / 1.645	- / -	- / 2.900	- / -	- / 2.900	- / -	- / 2.200	- / -	- / 3.200	- / -	- / 11.184	
Total													
Total Cost (Procurement + Support + Installation)	11.960	1.645	7.800	8.537	-	8.537	7.336	2.200	8.600	3.200	-	51.278	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS				Modification Number / Title: 2 / VG006 - Integrated Common Processor				
Modification Item 1 of 1: VG006 - Integrated Common Processor												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Lockheed Martin ⁽²⁾							Manufacturer Location: >VA					
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	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020					
Manufacturer Name: Various							Manufacturer Location: >Various					
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	Jan 2013	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019					
Delivery Dates	Jan 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020					
Installation Information												
Method of Implementation: AIT (Alteration Installation Team) : Installation Name: Integrated Common Processor												
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 / 1.239	3 / 1.645	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 2.884
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	6 / 2.900	- / -	6 / 2.900	- / -	- / -	- / -	- / -	- / -	6 / 2.900
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	5 / -	- / -	- / -	- / -	- / -	5 / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.200	- / -	- / -	- / -	5 / 2.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.200	- / -	6 / 3.200
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 1.239	3 / 1.645	- / -	6 / 2.900	- / -	6 / 2.900	5 / -	5 / 2.200	- / -	6 / 3.200	- / -	29 / 11.184

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																			Date: March 2014												
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2237 / SURTASS										Modification Number / Title: 2 / VG006 - Integrated Common Processor											
Modification Item 1 of 1: VG006 - Integrated Common Processor																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT (Alteration Installation Team) : Installation Name: Integrated Common Processor																															
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	2	-	-	-	-	-	-	1	-	3	2	-	-	-	5	1	-	3	1	-	-	-	-	1	-	3	2	-	29
Out	4	1	1	1	-	-	-	-	-	1	-	3	2	-	-	-	5	1	-	3	1	-	-	-	-	1	-	3	2	-	29

Footnotes:

- (1) FY12 funding procured ship sets for the SURTASS Program and associated shore processing. FY14 funding begins cyclical ICP Tech Refresh of hardware. FY15 funding procures J-AOS Tech Refresh hardware. NOTE: ICP system configuration varies from ship to ship depending upon the type of arrays used (passive only, or passive and active). Accordingly, the procurement and installation costs will vary from one platform to another, depending on the configuration and the ship. Installation Remarks: Installation schedules are subject to change based on ship availability. FY15 procurement associated with FMS program. Installation costs to be funded by FMS program.
- (2) Production lead time for 1st FY14 and 1st FY16 systems is 10 months due to installation in place at Original Equipment Manufacturer (OEM) to support system test and troubleshooting. Other systems require overseas shipments for OCONUS installs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 3 / VG006 - TB-29 Twinline Arrays

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>	44.687	-	-	-	-	-	-	-	-	-	-	44.687
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	44.687	-	-	-	-	-	-	-	-	-	-	44.687
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	44.687	-	-	-	-	-	-	-	-	-	-	44.687
<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 TB-29A Twinline is a shallow water variant of the common array produced by NAVSEA. The array consists of 2 shorter array lengths and is designed for increased surveillance capability in high clutter environments and littoral areas. Six TB-29A Twinline arrays were delivered FY02 - FY07. In FY09, an additional array was procured by converting two TB-29A arrays into one TL-29A array which was delivered in 3QFY10 and was installed at no cost in FY11. Support equipment procurement is for ancillary test sets, array headline and roll control systems and array module modifications and testing. In FY12, an additional TL-29A array was procured for delivery in 2QFY14. Installation funding is not required for the support equipment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS				Modification Number / Title: 3 / VG006 - TB-29 Twinline Arrays					
Models of Systems Affected: TB-29 Twinline Arrays			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0204311N					
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: VG006 - TB-29 Twinline Arrays													
B Kits													
Recurring													
1.1.1) TB-29 Twinline Arrays - NonOrganic ⁽³⁾	8 / 43.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 43.787	
Subtotal: Recurring	- / 43.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.787	
Subtotal: VG006 - TB-29 Twinline Arrays	8 / 43.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 43.787	
Subtotal: Procurement, All Modification Items	- / 43.787	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 43.787	
Installation													
Modification Item 1 of 1: VG006 - TB-29 Twinline Arrays	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	
Subtotal: Installation	- / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	
Total													
Total Cost (Procurement + Support + Installation)	44.687	-	-	-	-	-	-	-	-	-	-	44.687	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2237 / SURTASS										Modification Number / Title: 3 / VG006 - TB-29 Twinline Arrays											
Modification Item 1 of 1: VG006 - TB-29 Twinline Arrays																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																
Administrative Leadtime (<i>in Months</i>): 2															Production Leadtime (<i>in Months</i>): 23																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates																															
Delivery Dates																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (<i>in Months</i>): 2															Production Leadtime (<i>in Months</i>): 23																
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 (Alteration Installation Team) : Installation Name: TB-29 Twinline Arrays																															
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 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000	8 / 0.900																	
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
Total		7 / 0.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / -	8 / 0.900																	
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	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 3 / VG006 - TB-29 Twinline Arrays
Footnotes: ⁽³⁾ The TB-29A Twinline is a shallow water variant of the common array produced by NAVSEA. The array consists of 2 shorter array lengths and is designed for increased surveillance capability in high clutter environments and littoral areas. Six TB-29A Twinline arrays were delivered FY02 - FY07. In FY09, an additional array was procured by converting two TB-29A arrays into one TL-29A array which was delivered in 3QFY10 and was installed at no cost in FY11. In FY12, an additional TL-29A array was procured for delivery in 2QFY14. Support equipment procurement is for ancillary test sets, array headline and roll control systems and array module modifications and testing. Installation funding is not required for the support equipment. Installation Remarks: Installation only occurs on 5 platforms. FY12 array will NOT be installed; it will be a ready asset in theater as of 2QFY14. Historically, an array is lost or severely damaged every 18 months. Last array was lost Sept 06; last array severely damaged was Jul 11. Without a ready asset in theater, if an array is lost or damaged, a SURTASS ship cannot deploy and execute its mission.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 4 / VG006 - SURTASS Team Trainer

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>	2.000	-	-	-	-	-	-	-	-	-	-	2.000
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.000	-	-	-	-	-	-	-	-	-	-	2.000
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.000	-	-	-	-	-	-	-	-	-	-	2.000
<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 Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Team Trainer provides SURTASS crews with a second high fidelity synthetic and live playback training capability to support Home Port Training Periods (HPTP) and Pre-Deployment Certification Periods (PDCP).

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS						Modification Number / Title: 4 / VG006 - SURTASS Team Trainer			
Models of Systems Affected: SURTASS Team Trainer				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> VG006 - SURTASS Team Trainer													
B Kits													
Recurring													
1.1.1) SURTASS Team Trainer - NonOrganic ⁽⁴⁾	1 / 1.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.751	
<i>Subtotal: Recurring</i>	- / 1.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.751	
<i>Subtotal: VG006 - SURTASS Team Trainer</i>	1 / 1.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.751	
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.751	
Installation													
<i>Modification Item 1 of 1:</i> VG006 - SURTASS Team Trainer	- / 0.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.249	
<i>Subtotal: Installation</i>	- / 0.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.249	
Total													
Total Cost (Procurement + Support + Installation)	2.000	-	-	-	-	-	-	-	-	-	-	2.000	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2237 / SURTASS										Modification Number / Title: 4 / VG006 - SURTASS Team Trainer											
Modification Item 1 of 1: VG006 - SURTASS Team Trainer																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NSWC CD													Manufacturer Location: >BETHESDA, MD																		
Administrative Leadtime (<i>in Months</i>): 2													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																															
Manufacturer Name: Lockheed Martin													Manufacturer Location: >VA																		
Administrative Leadtime (<i>in Months</i>): 2													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 (Alteration Installation Team) : Installation Name: SURTASS Team Trainer																															
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		1 / 0.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.249																	
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																	
Total		1 / 0.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.249																	
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 / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 4 / VG006 - SURTASS Team Trainer

Footnotes:

(4) The Team Trainer provides SURTASS crews with a second high fidelity synthetic and live playback training capability to support Home Port Training Periods (HPTP) and Pre-Deployment Certification Periods (PDCP).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 5 / VG006 - ICP Training Device

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)	5.100	-	0.731	-	-	-	-	-	-	-	-	5.831
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	5.100	-	0.731	-	-	-	-	-	-	-	-	5.831
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	5.100	-	0.731	-	-	-	-	-	-	-	-	5.831
(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:

Procurement of ICP Trainer for IUSS School House.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3					P-1 Line Item Number / Title: 2237 / SURTASS					Modification Number / Title: 5 / VG006 - ICP Training Device			
Models of Systems Affected: ICP Training Device				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: VG006 - ICP Training Device													
B Kits													
Recurring													
1.1.1) ICP Training Device - NonOrganic ⁽⁵⁾	2 / 4.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.600	
Subtotal: Recurring	- / 4.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.600	
Subtotal: VG006 - ICP Training Device	2 / 4.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.600	
Subtotal: Procurement, All Modification Items	- / 4.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.600	
Installation													
Modification Item 1 of 1: VG006 - ICP Training Device	- / 0.500	- / -	- / 0.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.231	
Subtotal: Installation	- / 0.500	- / -	- / 0.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.231	
Total													
Total Cost (Procurement + Support + Installation)	5.100	-	0.731	-	-	-	-	-	-	-	-	5.831	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2237 / SURTASS										Modification Number / Title: 5 / VG006 - ICP Training Device											
Modification Item 1 of 1: VG006 - ICP Training Device																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NSWC CD															Manufacturer Location: >BETHESDA, MD																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 19																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Aug 2014																									
Delivery Dates						Sep 2014																									
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 19																
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 (Alteration Installation Team) : Installation Name: ICP Training Device																															
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 / 0.500	- / -	1 / 0.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.231																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		1 / 0.500	- / -	1 / 0.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.231																		
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 / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 5 / VG006 - ICP Training Device

Footnotes:

(5) Procurement of two ICP Trainers for IUSS School House.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2237 / SURTASS	Modification Number / Title: 6 / VG007 - Field Changes/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>)	8.645	0.927	1.149	1.082	-	1.082	1.139	0.845	2.138	7.760	-	23.685
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.645	0.927	1.149	1.082	-	1.082	1.139	0.845	2.138	7.760	-	23.685
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.645	0.927	1.149	1.082	-	1.082	1.139	0.845	2.138	7.760	-	23.685
<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:

Field Changes/Modifications for correction of deficiencies identified by Fleet use, array support, communications equipment and replacement of aging/unsupportable equipment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS					Modification Number / Title: 6 / VG007 - Field Changes/Modifications				
Models of Systems Affected: Field Changes/ 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: VG007 - Field Changes/ Modifications													
B Kits													
Recurring													
1.1.1) Field Changes/Modifications - NonOrganic ⁽⁶⁾	48 / 5.716	5 / 0.566	5 / 0.802	5 / 0.731	- / -	5 / 0.731	5 / 0.752	5 / 0.447	5 / 1.350	5 / 6.608	- / -	83 / 16.972	
Subtotal: Recurring	- / 5.716	- / 0.566	- / 0.802	- / 0.731	- / -	- / 0.731	- / 0.752	- / 0.447	- / 1.350	- / 6.608	- / -	- / 16.972	
Subtotal: VG007 - Field Changes/Modifications	48 / 5.716	5 / 0.566	5 / 0.802	5 / 0.731	- / -	5 / 0.731	5 / 0.752	5 / 0.447	5 / 1.350	5 / 6.608	- / -	83 / 16.972	
Subtotal: Procurement, All Modification Items	- / 5.716	- / 0.566	- / 0.802	- / 0.731	- / -	- / 0.731	- / 0.752	- / 0.447	- / 1.350	- / 6.608	- / -	- / 16.972	
Installation													
Modification Item 1 of 1: VG007 - Field Changes/ Modifications	- / 2.929	- / 0.361	- / 0.347	- / 0.351	- / -	- / 0.351	- / 0.387	- / 0.398	- / 0.788	- / 1.152	- / -	- / 6.713	
Subtotal: Installation	- / 2.929	- / 0.361	- / 0.347	- / 0.351	- / -	- / 0.351	- / 0.387	- / 0.398	- / 0.788	- / 1.152	- / -	- / 6.713	
Total													
Total Cost (Procurement + Support + Installation)	8.645	0.927	1.149	1.082	-	1.082	1.139	0.845	2.138	7.760	-	23.685	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2237 / SURTASS				Modification Number / Title: 6 / VG007 - Field Changes/Modifications				
Modification Item 1 of 1: VG007 - Field Changes/Modifications												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: SSC PAC						Manufacturer Location: >San Diego, CA						
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	Oct 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates	Aug 2013	Aug 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019					
Manufacturer Name: SSC LANT						Manufacturer Location: >Charleston, SC						
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	Oct 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates	Aug 2013	Aug 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019					
Manufacturer Name: Lockheed Martin						Manufacturer Location: >VA						
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	Oct 2012	Oct 2013	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018					
Delivery Dates	Aug 2013	Aug 2014	Aug 2015	Aug 2016	Aug 2017	Aug 2018	Aug 2019					
Installation Information												
Method of Implementation: AIT (Alteration Installation Team) : Installation Name: Field Changes/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	48 / 2.929	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.929
FY 2013	- / -	5 / 0.361	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.361
FY 2014	- / -	- / -	5 / 0.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.347
FY 2015	- / -	- / -	- / -	5 / 0.351	- / -	5 / 0.351	- / -	- / -	- / -	- / -	- / -	5 / 0.351
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.387	- / -	- / -	- / -	- / -	5 / 0.387
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.398	- / -	- / -	- / -	5 / 0.398
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.788	- / -	- / -	5 / 0.788
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.152	- / -	5 / 1.152
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	48 / 2.929	5 / 0.361	5 / 0.347	5 / 0.351	- / -	5 / 0.351	5 / 0.387	5 / 0.398	5 / 0.788	5 / 1.152	- / -	83 / 6.713

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Exhibit P-3a, Individual Modification: PB 2015 Navy																						Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2237 / SURTASS												Modification Number / Title: 6 / VG007 - Field Changes/Modifications									
Modification Item 1 of 1: VG007 - Field Changes/Modifications																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT (Alteration Installation Team) : Installation Name: Field Changes/Modifications																															
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	48	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	83
Out	48	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	83

Footnotes:

⁽⁶⁾ Field Changes/Modifications for correction of deficiencies identified by Fleet use, array support, communications equipment and replacement of aging/unsupportable 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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment						P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force						
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements: 0604231N				
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>	26.945	16.965	18.130	14.390	-	14.390	13.867	14.287	14.561	14.887	49.841	183.873
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	26.945	16.965	18.130	14.390	-	14.390	13.867	14.287	14.561	14.887	49.841	183.873
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	26.945	16.965	18.130	14.390	-	14.390	13.867	14.287	14.561	14.887	49.841	183.873
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	0.648	0.829	0.526	-	0.526	0.721	0.647	0.761	0.525	Continuing	Continuing
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:

Maritime Patrol and Reconnaissance Force (MPRF) Mission Support Systems: MPRF Mission Support Systems provide the MPRF commanders with the capability to plan, direct, control and evaluate the tactical operations of MPRF and other assigned units within their respective area of responsibility. These operations include littoral, open ocean, and over land all sensor (e.g., Electro Optical (EO), Infrared (IR), Inverse Synthetic-Aperture Radar (ISAR)) surveillance, anti-surface warfare, over-the-horizon targeting, counter-drug operations, power projection, antisubmarine warfare, mining, search and rescue, homeland defense, and special operations.

MPRF Mission Support Systems contains TOC sensor analysis, mission planning, and in-flight mission support capabilities, avionics and weapons system interfaces, computer upgrades and associated software for interfacing, analysis and processing equipment to the supported weapons systems (aircraft). It also includes mobility and facilities equipment necessary to power and support the processing equipment and interfaces.

The program includes fixed-site Tactical Operations Centers (TOCs) or equivalent and Mobile Tactical Operations Centers (MTOCs) or equivalent. Each TacMobile unit is a system-of-systems. TOCs provide sensor and tactical data communications systems; mission planning/support, sensor analysis capabilities; avionics and weapons system interfaces, media devices and data handling capabilities, at fixed-site locations. MTOC is a scalable and mobile version of the TOC for contingency operations and for support of operations from expeditionary airfields that do not have a TOC.

The TacMobile program uses an evolutionary development strategy consisting of incremental upgrades to meet new and emergent Fleet requirements, while retaining current capabilities. Increments are planned and resourced to support the new P-8A Multi-mission Maritime Aircraft (MMA) and new and updated sensors on the P-3C series aircraft.

10 TOCs: 7 operational systems (located at Jacksonville Florida, Sigonella Italy, Kaneohe Bay Hawaii, Whidbey Island Washington, Kadena Japan, Misawa Japan, and Bahrain), 1 training site (Center for Naval Air Technical Training (CNATT) Jacksonville Florida), 2 laboratory sites (a communications integration lab located at Space & Naval Warfare Systems Command Systems Center (SSC) Atlantic, and an aircraft integration lab at SSC Atlantic detachment Patuxent River Maryland).

14 MTOCs: 11 operational systems (home ported at Jacksonville Florida (5 sites), Misawa Japan, Whidbey Island Washington (2 Sites), Comalapa El Salvador, and Coronado (North Island) California (2 sites)), 1 laboratory site (an aircraft integration lab located at Navy Detachment Dallas), and 1 C4I engineering and maintenance support system (located at the In Service Engineering Activity (ISEA), SSC Atlantic), and 1 C4I mobile systems school house (Center for Naval Air Technical Training (CNATT) Jacksonville Florida).

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force

ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements: 0604231N

Further transition and relocations are anticipated as primary maritime patrol and reconnaissance aircraft operating locations evolve in support of fleet operational requirements as a result of the ongoing transition to the P-8A as the replacement aircraft for the P-3C, and the introduction of the MQ-4C Triton. The TOC and MTOC personnel along with their C4I infrastructure will transition with these aircraft from a primarily forward deployed force to a more expeditionary surge-ready force. This will entail a reduction in the number of fixed site TOC and an increase in the number of MTOCs.

The TacMobile program uses an evolutionary development strategy consisting of incremental upgrades to meet new and emergent fleet requirements, while retaining current capabilities. Tactical Operations Center (TOC) and Mobile Tactical Operations Center (MTOC) increments are planned and resourced to support the P-8A Multi-mission Maritime Aircraft (MMA), the MQ-4C Triton, and new and updated sensors on the P-3C series aircraft.

Code B is only applicable for Increment 3. All other increments are Code A.

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)
Item - 1 / BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems	P-5		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	P-3a		-	-	6.923	-	-	4.882	-	-	2.523	-	-	0.853	-	-	-	-	-	0.853
P-3a - 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	P-3a		-	-	15.816	-	-	8.779	-	-	11.714	-	-	8.676	-	-	-	-	-	8.676
P-3a - 3 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	P-3a		-	-	4.206	-	-	3.304	-	-	0.277	-	-	-	-	-	-	-	-	-
P-3a - 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1	P-3a		-	-	0.000	-	-	-	-	-	3.616	-	-	4.861	-	-	-	-	-	4.861
Total Gross/Weapon System Cost			-	-	26.945	-	-	16.965	-	-	18.130	-	-	14.390	-	-	-	-	-	14.390
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)
Item - 1 / BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	P-3a		-	-	0.092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15.273

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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 02: Communications & Electronics Equip / BSA 3: ASW Electronic Equipment												P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force									
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements: 0604231N									
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
P-3a - 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	P-3a		-	-	0.092	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.077	
P-3a - 3 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	P-3a		-	-	-	-	-	-	-	-	5.775	-	-	0.500	-	-	-	-	-	14.062	
P-3a - 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1	P-3a		-	-	13.683	-	-	14.287	-	-	8.586	-	-	8.194	-	-	1.133	-	-	54.360	
Total Gross/Weapon System Cost			-	-	13.867	-	-	14.287	-	-	14.561	-	-	14.887	-	-	49.841	-	-	183.873	
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY15 Procurements Include: Tech Refresh of TOC war fighter communications and war fighter Interfaces; Tech Refresh of MTOC war fighter communications and war fighter Interfaces; FRP Increment 2.1 TOC analysis capabilities upgrades, war fighter interface upgrades, and war fighter communications upgrades; and Non-recurring Fly Away Kit (FAK) procurements to meet JCIDS requirements for expeditionary operations. TacMobile has three distinct tech refresh efforts across the FYDP: "Tech Refresh 2.0.1" provides technical modernization and refresh to previously fielded Increment 2.0 systems and modernizes operating system baseline and maintains information security posture; "Tech Refresh 2.1.1" provides technical modernization and refresh to previously fielded Increment 2.1 systems to enable interface with P-8A Increment 2 engineering change proposals; "Overarching Tech Refresh" which provides an end-to end technical refresh to certain MTOC and TOC systems that have not been upgraded and refreshed to the same baseline as the remaining TacMobile systems. These units are now in need of refresh to enable systems capability and meet increased Fleet requirements.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Item Number / Title [DODIC]: 1 / BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems

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

(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 Thousands</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 (\$ 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)
Hardware - Maritime Patrol & Reconnaissance Force (MPRF) - WH046 Tactical/Mobile Cost																			
Recurring Cost																			
1.1.1) Increment 3.0 (1)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Maritime Patrol & Reconnaissance Force (MPRF) - WH046 Tactical/ Mobile Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - WH776 Installation Cost																			
Recurring Cost																			
2.1.1) Increment 3.0		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) Shore Pre- Installation Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - WH776 Installation Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System 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 / 02 / 3							P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force							Item Number / Title [DODIC]: 1 / BLI 2246 Maritime Patrol & Reconnaissance Force (MPRF) Mission Support Systems					
Cost Elements	ID CD	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)
Hardware - Maritime Patrol & Reconnaissance Force (MPRF) - WH046 Tactical/Mobile Cost																			
Recurring Cost																			
1.1.1) Increment 3.0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Maritime Patrol & Reconnaissance Force (MPRF) - WH046 Tactical/Mobile Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - WH776 Installation Cost																			
Recurring Cost																			
2.1.1) Increment 3.0		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) Shore Pre-Installation Design		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - WH776 Installation Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Footnotes:																			
(1) 1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences. 3. Install costs vary due to different equipment mixes, site specific requirements, and varied, world-wide locations.																			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1

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>	6.923	4.882	2.523	0.853	-	0.853	0.092	-	-	-	-	15.273
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	6.923	4.882	2.523	0.853	-	0.853	0.092	-	-	-	-	15.273
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	6.923	4.882	2.523	0.853	-	0.853	0.092	-	-	-	-	15.273
<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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides technical modernization and technical refresh to fielded existing TacMobile Inc 2.0 systems to ensure continued supportability and maintain fleet core capability functionality throughout service life.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force				Modification Number / Title: 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1					
Models of Systems Affected: INC 2.0				Modification Type: Tech Refresh				Related RDT&E PEs: 0604231N					
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: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽²⁾	3 / 2.335	2 / 0.579	2 / 0.557	2 / 0.585	- / -	2 / 0.585	- / -	- / -	- / -	- / -	- / -	9 / 4.056	
1.1.2) MTOC - NonOrganic	9 / 3.574	4 / 3.870	6 / 1.666	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 9.110	
Subtotal: Recurring	- / 5.909	- / 4.449	- / 2.223	- / 0.585	- / -	- / 0.585	- / -	- / -	- / -	- / -	- / -	- / 13.166	
Subtotal: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	12 / 5.909	6 / 4.449	8 / 2.223	2 / 0.585	- / -	2 / 0.585	- / -	- / -	- / -	- / -	- / -	28 / 13.166	
Subtotal: Procurement, All Modification Items	- / 5.909	- / 4.449	- / 2.223	- / 0.585	- / -	- / 0.585	- / -	- / -	- / -	- / -	- / -	- / 13.166	
Installation													
Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1	- / 1.014	- / 0.433	- / 0.300	- / 0.268	- / -	- / 0.268	- / 0.092	- / -	- / -	- / -	- / -	- / 2.107	
Subtotal: Installation	- / 1.014	- / 0.433	- / 0.300	- / 0.268	- / -	- / 0.268	- / 0.092	- / -	- / -	- / -	- / -	- / 2.107	
Total													
Total Cost (Procurement + Support + Installation)	6.923	4.882	2.523	0.853	-	0.853	0.092	-	-	-	-	15.273	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1

Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT	Manufacturer Location: >Charleston, SC
Administrative Leadtime (in Months): 4	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				
Delivery Dates	Jun 2013	Jun 2014	Jun 2015				

Installation Information

Method of Implementation: [none specified] : Installation Name: TR 2.0.1 Installation

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 / 1.014	6 / 0.433	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.447
FY 2013	- / -	- / -	6 / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.300
FY 2014	- / -	- / -	- / -	8 / 0.268	- / -	8 / 0.268	- / -	- / -	- / -	- / -	- / -	8 / 0.268
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.092	- / -	- / -	- / -	- / -	2 / 0.092
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 1.014	6 / 0.433	6 / 0.300	8 / 0.268	- / -	8 / 0.268	2 / 0.092	- / -	- / -	- / -	- / -	28 / 2.107

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	6	-	-	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28
Out	6	6	-	-	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28

Footnotes:

⁽²⁾ TOC/MTOC: 1) Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems. 2) Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment. 3) Install costs vary across fiscal years due to different equipment

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 1 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh 2.0.1
mixes, site specific requirements, and varied, world-wide locations. 4) Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline. 5) Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1

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>)	15.816	8.779	11.714	8.676	-	8.676	0.092	-	-	-	-	45.077
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	15.816	8.779	11.714	8.676	-	8.676	0.092	-	-	-	-	45.077
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	15.816	8.779	11.714	8.676	-	8.676	0.092	-	-	-	-	45.077
(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:

Increment capability upgrades include systems necessary to support P-8A Poseidon at its Initial Operating Capability (IOC), continues mission sustainment upgrades to support P-3C, and ensures compliance with the Net-Ready Key Performance Parameter (NR-KPP) to the extent complementary systems have been implemented by DoD.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force				Modification Number / Title: 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1					
Models of Systems Affected: N/A				Modification Type: System Upgrades				Related RDT&E PEs: 0604231N					
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: BLI 2246 (MPRF) Mission Support Systems - Increment 2.1													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽³⁾	5 / 4.401	3 / 2.647	3 / 2.643	3 / 2.707	- / -	3 / 2.707	- / -	- / -	- / -	- / -	- / -	14 / 12.398	
1.1.2) MTOC - NonOrganic	12 / 10.438	6 / 5.094	10 / 8.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 23.992	
1.1.3) Equipment Nonrecurring - NonOrganic ⁽⁴⁾	- / -	- / -	- / -	8 / 5.217	- / -	8 / 5.217	- / -	- / -	- / -	- / -	- / -	8 / 5.217	
1.1.4) Shore Pre-Installation Design - Organic	- / 0.123	- / 0.174	- / 0.196	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.493	
Subtotal: Recurring	- / 14.962	- / 7.915	- / 11.299	- / 7.924	- / -	- / 7.924	- / -	- / -	- / -	- / -	- / -	- / 42.100	
Subtotal: BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	17 / 14.962	9 / 7.915	13 / 11.299	11 / 7.924	- / -	11 / 7.924	- / -	- / -	- / -	- / -	- / -	50 / 42.100	
Subtotal: Procurement, All Modification Items	- / 14.962	- / 7.915	- / 11.299	- / 7.924	- / -	- / 7.924	- / -	- / -	- / -	- / -	- / -	- / 42.100	
Installation													
Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Increment 2.1	- / 0.854	- / 0.864	- / 0.415	- / 0.752	- / -	- / 0.752	- / 0.092	- / -	- / -	- / -	- / -	- / 2.977	
Subtotal: Installation	- / 0.854	- / 0.864	- / 0.415	- / 0.752	- / -	- / 0.752	- / 0.092	- / -	- / -	- / -	- / -	- / 2.977	
Total													
Total Cost (Procurement + Support + Installation)	15.816	8.779	11.714	8.676	-	8.676	0.092	-	-	-	-	45.077	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1

Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Increment 2.1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT				Manufacturer Location: >Charleston, SC			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Feb 2013	Feb 2014	Feb 2015				
Delivery Dates	Apr 2013	Apr 2014	Apr 2015				

Installation Information

Method of Implementation: [none specified] : Installation Name: Inc 2.1 Installations

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	5 / 0.854	12 / 0.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 1.718
FY 2013	- / -	- / -	9 / 0.415	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.415
FY 2014	- / -	- / -	- / -	13 / 0.438	- / -	13 / 0.438	- / -	- / -	- / -	- / -	- / -	13 / 0.438
FY 2015	- / -	- / -	- / -	8 / 0.314	- / -	8 / 0.314	3 / 0.092	- / -	- / -	- / -	- / -	11 / 0.406
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 0.854	12 / 0.864	9 / 0.415	21 / 0.752	- / -	21 / 0.752	3 / 0.092	- / -	- / -	- / -	- / -	50 / 2.977

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	-	6	6	-	-	3	3	3	-	5	5	11	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50
Out	5	-	6	3	3	-	3	3	3	-	5	5	11	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50

Footnotes:

⁽³⁾ TOC/MTOC: 1) Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems. 2) Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment. 3) Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations. 4) FY14 procurements require no integration lead time. FY15 procurements require a 6 month lead time for integration, pre-installation and

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 2 / BLI 2246 (MPRF) Mission Support Systems - Increment 2.1

checkout, packaging, and shipping. 5) FY15 procurements include non recurring Fly Away Kit components to meet JCIDS requirements. Unit cost for FY15 procurements will differ from previous years due to these unique requirements. Fly Away Kits are received turn key and do not require in house integration.

⁽⁴⁾ Equipment Nonrecurring: 1. FY15 procurement includes non-recurring Fly Away Kit components, to meet Joint Capabilities Integration and Development System (JCIDS) requirements. Unit cost for FY15 procurements will differ from previous years due to these unique procurements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 3 / BLI 2246 (MPRF) Mission Support Systems - 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>	4.206	3.304	0.277	-	-	-	-	-	5.775	0.500	-	14.062
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	4.206	3.304	0.277	-	-	-	-	-	5.775	0.500	-	14.062
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	4.206	3.304	0.277	-	-	-	-	-	5.775	0.500	-	14.062
<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 overarching technical modernization and technical refresh to fielded existing TacMobile systems that have not routinely been refreshed or upgraded and are now required to be restored to full systems capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force					Modification Number / Title: 3 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh				
Models of Systems Affected: Various				Modification Type: Tech Refresh					Related RDT&E PEs: 0604231N				
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: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic	2 / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.575	
1.1.2) MTOC - NonOrganic ⁽⁵⁾	10 / 2.841	4 / 3.304	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.775	- / -	- / -	18 / 11.920	
Subtotal: Recurring	- / 3.416	- / 3.304	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.775	- / -	- / -	- / 12.495	
Subtotal: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	12 / 3.416	4 / 3.304	- / -	- / -	- / -	- / -	- / -	- / -	4 / 5.775	- / -	- / -	20 / 12.495	
Subtotal: Procurement, All Modification Items	- / 3.416	- / 3.304	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.775	- / -	- / -	- / 12.495	
Installation													
Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh	- / 0.790	- / -	- / 0.277	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / 1.567	
Subtotal: Installation	- / 0.790	- / -	- / 0.277	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / 1.567	
Total													
Total Cost (Procurement + Support + Installation)	4.206	3.304	0.277	-	-	-	-	-	5.775	0.500	-	14.062	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3										P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force										Modification Number / Title: 3 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh											
Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems - Tech Refresh																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SSC LANT ⁽⁶⁾														Manufacturer Location: >Charleston, SC																	
Administrative Leadtime (in Months): 2														Production Leadtime (in Months): 7																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012																													
Delivery Dates		Jul 2013																													
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Tech Refresh Installations																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		12 / 0.790		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 0.790					
FY 2013		- / -		- / -		4 / 0.277		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.277					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.500		- / -		4 / 0.500					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		12 / 0.790		- / -		4 / 0.277		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.500		- / -		20 / 1.567					
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	12	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	20
Out	12	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	20
Footnotes: ⁽⁵⁾ TOC/MTOC: 1) Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications and Mobility/Facility component system upgrades of TacMobile systems. 2) Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment. 3) Install costs vary across fiscal years due to different equipment																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 3 / BLI 2246 (MPRF) Mission Support Systems - Tech Refresh
mixes, site specific requirements, and varied, world-wide locations. 10 MTOCS were delivered "turnkey" prior to 2009, so are not counted as PY installs. 4. FY 13 procures overarching MTOC EIGHT required Tech Refresh components. FY18 procures overarching MTOC ELEVEN required Tech Refresh components. ⁽⁶⁾ Procurement of equipment for MTOC TR		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1

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>)	0.000	-	3.616	4.861	-	4.861	13.683	14.287	8.586	8.194	1.133	54.360
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	3.616	4.861	-	4.861	13.683	14.287	8.586	8.194	1.133	54.360
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	3.616	4.861	-	4.861	13.683	14.287	8.586	8.194	1.133	54.360
<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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides technical modernization and technical refresh to fielded existing TacMobile systems necessary to support P-8A Poseidon Increment 2 and MQ-4C Triton Unmanned Aerial System (UAS) at their initial operating capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3				P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force					Modification Number / Title: 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1				
Models of Systems Affected: N/A				Modification Type: Upgrade					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: BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽⁷⁾	- / -	- / -	3 / 1.639	1 / 1.165	- / -	1 / 1.165	3 / 3.558	3 / 3.622	3 / 2.458	3 / 2.502	- / -	16 / 14.944	
1.1.2) MTOC - NonOrganic ⁽⁸⁾	- / -	- / -	4 / 1.655	3 / 3.496	- / -	3 / 3.496	6 / 8.715	6 / 8.880	3 / 4.518	3 / 4.599	- / -	25 / 31.863	
1.1.3) Shore Pre-Installation - NonOrganic	- / -	- / -	- / -	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / -	- / -	- / -	- / 0.600	
Subtotal: Recurring	- / 0.000	- / -	- / 3.294	- / 4.861	- / -	- / 4.861	- / 12.473	- / 12.702	- / 6.976	- / 7.101	- / -	- / 47.407	
Subtotal: BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1	- / -	- / -	7 / 3.294	4 / 4.861	- / -	4 / 4.861	9 / 12.473	9 / 12.702	6 / 6.976	6 / 7.101	- / -	41 / 47.407	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 3.294	- / 4.861	- / -	- / 4.861	- / 12.473	- / 12.702	- / 6.976	- / 7.101	- / -	- / 47.407	
Installation													
Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1	- / 0.000	- / -	- / 0.322	- / -	- / -	- / -	- / 1.210	- / 1.585	- / 1.610	- / 1.093	- / 1.133	- / 6.953	
Subtotal: Installation	- / 0.000	- / -	- / 0.322	- / -	- / -	- / -	- / 1.210	- / 1.585	- / 1.610	- / 1.093	- / 1.133	- / 6.953	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	3.616	4.861	-	4.861	13.683	14.287	8.586	8.194	1.133	54.360	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1

Modification Item 1 of 1: BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT	Manufacturer Location: >Charleston, SC
Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 3

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

Installation Information

Method of Implementation: Method : Installation Name: TR 2.1.1 Installations

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	7 / 0.322	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.322
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.210	- / -	- / -	- / -	- / -	4 / 1.210
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.585	- / -	- / -	- / -	9 / 1.585
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.610	- / -	- / -	9 / 1.610
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.093	- / -	6 / 1.093
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.133	6 / 1.133
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	7 / 0.322	- / -	- / -	- / -	4 / 1.210	9 / 1.585	9 / 1.610	6 / 1.093	6 / 1.133	41 / 6.953

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	-	-	-	-	-	-	3	1	-	-	3	3	3	-	3	3	3	-	2	2	2	6	41
Out	-	-	-	-	-	-	-	7	-	-	-	-	-	-	3	1	-	-	3	3	3	-	3	3	3	-	2	2	2	6	41

Footnotes:

⁽⁷⁾ 1. Quantities represent separate Maritime Patrol Warfighter Interface, Analysis, Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences. 3. Procurement costs for TOCs vary from year to year due to site specific

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 3	P-1 Line Item Number / Title: 2246 / Maritime Patrol and Reconnaissance Force	Modification Number / Title: 4 / BLI 2246 (MPRF) Mission Support Systems- Tech Refresh 2.1.1
requirements that require different equipment mixes depending on the current configuration of legacy equipment to be replaced at each site. 4. FY14 procurements require no integration lead time. FY15 procurements require a 6 month lead time for integration, pre-installation and checkout, packaging, and shipping. ⁽⁸⁾ 1. Procurement costs for MTOCs vary from year to year due to site specific requirements that require different equipment mixes depending on the current configuration of legacy equipment to be replaced at each site.		

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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 02: Communications & Electronics Equip / BSA 4: Electronic Warfare Equipment						P-1 Line Item Number / Title: 2312 / AN/SLQ-32						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0204228N					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)	155.861	79.950	150.353	214.582	-	214.582	237.938	339.173	379.358	530.719	3,206.828	5,294.762
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	155.861	79.950	150.353	214.582	-	214.582	237.938	339.173	379.358	530.719	3,206.828	5,294.762
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	155.861	79.950	150.353	214.582	-	214.582	237.938	339.173	379.358	530.719	3,206.828	5,294.762
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	1.568	1.550	2.466	-	2.466	3.246	2.724	2.279	1.089	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:

The AN/SLQ-32(V) provides a family of modular shipborne electronic warfare equipment which is installed on all surface combatants, aircraft carriers, amphibious ships and auxiliaries in the surface Navy. The system consists of eight configurations and provides early detection, analysis, threat warning and protection from anti-ship missiles.

TC056: SURFACE ELECTRONIC WARFARE (EW) IMPROVEMENTS BLOCK 1

The Surface Electronic Warfare (EW) Improvement Program (SEWIP) will develop a modern, highly capable family of EW systems by block upgrade of the current AN/SLQ-32 system that is robust in detecting and countering current and future threats and will extend the service life of AN/SLQ3-2(V) systems. Funding procures upgrades to the current AN/SLQ-32 system.

Electronic Surveillance Enhancement (ESE) replaces the Digital Processing Unit and Digital Tracking Unit with a modern computer system. This enhanced functionality increases AntiShip Missile Defense (ASMD) capabilities by increasing the probability of correct identification of threats. ESE is also being adapted to the unique Aircraft Carrier variant configuration.

Block 1B1: Small Ship Electronic Support Measures System (SSESM) provides Specific Emitter Identification (SEI) capability to various ships/ship classes in a stand-alone configuration. Tech Refresh funding is provided to address obsolescence and reliability issues presenting affecting fielded systems.

Block 1B2: The federated SEI, consisting of SEI hardware plus an ICAD modification kit, fully integrates SEI functionality with the ICAD/Q-70 console. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

Block 1B3: High Gain High Sensitivity (HGHS) Adjunct Sensor is a critical improvement for threat correlation, situational awareness, and extending the battle space. Development Status/Major Development Milestones are: Milestone C/Low-Rate Initial Production (LRIP) 4Q FY12, Full Rate Production (FRP) 2Q FY15. Engineering Change Proposal (ECP) funding is provided to support changes resulting from software and hardware trouble reports from production, shipboard installations and/or land based testing. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

TC059: SURFACE ELECTRONIC WARFARE (EW) IMPROVEMENTS BLOCK 2

Block 2 will provide AN/SLQ-32(V) an upgraded antenna, receiver, and combat systems interface. The upgrades will pace the threat, improve detection and accuracy and mitigate Electromagnetic Interference (EMI). Development Status/Major Development Milestones are: Milestone C Low-Rate Initial Production (LRIP) 2Q FY13, Full Rate Production (FRP) 1Q FY15. Engineering Change Proposal (ECP) funding is

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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 02: Communications & Electronics Equip / BSA 4: Electronic Warfare Equipment										P-1 Line Item Number / Title: 2312 / AN/SLQ-32									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0204228N						Other Related Program Elements:							
provided to support changes resulting from software and hardware trouble reports from production, shipboard installations and/or land based testing. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.																			
TC060: SURFACE ELECTRONIC WARFARE (EW) IMPROVEMENTS BLOCK 3: Block 3 will provide an Electronic Attack (EA) capability improvement required for the AN/SLQ-32(V) system to keep pace with the threat. The upgrade will provide a common EA capability to all surface combatants (CVN,CG, DDG, LHA) outfitted with the active variant of the AN/SLQ-32, mainly the (V)3 and (V)4, as well as select new-construction platforms. The program builds on the EW Electronic Support (ES) capability delivered by Blocks 1 and 2. Development Status/Major Milestones are: Milestone C Low-Rate Initial Production (LRIP) 2Q FY 17, IOT&E, 4Q FY18																			
Block 3T will provide an Electronic Attack (EA) capability improvement required for the AN/SLQ32(V) system to keep pace with the threat. Block 3T provides initial, limited interim capability of a focused application of the Naval Research Lab (NRL) Transportable EW Module (TEWM) system to meet an urgent operational needs statement.																			
TC5IN: FMP INSTALLATIONS Shipboard installation of AN/SLQ-32(V) ECP/Field Changes and the Surface EW Improvements Blocks 1, 2 and 3.																			
TC6IN: NON-FMP INSTALLATIONS Installation of AN/SLQ-32(V) ECP/Field Changes and the Surface EW Improvements Blocks 1, 2 and 3 at Shore Site Facilities.																			

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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 02: Communications & Electronics Equip / BSA 4: Electronic Warfare Equipment	P-1 Line Item Number / Title: 2312 / AN/SLQ-32

ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0204228N						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 / TC056 - BLOCK 1B1 SSES	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42.804
P-3a - 2 / TC056 - BLOCK 1B2 FEDERATED SEI	P-3a		-	-	0.910	-	-	0.538	-	-	0.415	-	-	0.796	-	-	10.503	-	-	72.786
P-3a - 3 / TC056 - BLOCK 1B3 HGHS	P-3a		-	-	23.845	-	-	32.472	-	-	29.183	-	-	25.169	-	-	99.999	-	-	289.221
P-3a - 4 / TC056 - BLOCK 1 ESE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.310
P-3a - 5 / TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	P-3a		-	-	205.683	-	-	212.379	-	-	185.895	-	-	158.262	-	-	884.636	-	-	2,007.360
P-3a - 6 / TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	P-3a		-	-	-	-	-	93.784	-	-	163.865	-	-	346.492	-	-	2,211.690	-	-	2,815.831
P-3a - 7 / TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System	P-3a		-	-	7.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21.450
Total Gross/Weapon System Cost			-	-	237.938	-	-	339.173	-	-	379.358	-	-	530.719	-	-	3,206.828	-	-	5,294.762

*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 / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 1 / TC056 - BLOCK 1B1 SSES

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>)	37.975	4.312	0.517	-	-	-	-	-	-	-	-	42.804
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	37.975	4.312	0.517	-	-	-	-	-	-	-	-	42.804
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	37.975	4.312	0.517	-	-	-	-	-	-	-	-	42.804
<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:

Small Ship Electronic Support Measures System (SSES) provides Specific Emitter Identification (SEI) capability to various ships/ship classes in a stand-alone configuration. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 1 / TC056 - BLOCK 1B1 SSES					
Models of Systems Affected: TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B1 - SSES				Modification Type: SHIPALT/AIT				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: TC056 - BLOCK 1B1 SSES													
B Kits													
Recurring													
1.1.1) CNSG EQUIPMENT - NonOrganic ⁽¹⁾	15 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / -	
1.1.2) FMP SHIP UNITS - NonOrganic	52 / 18.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 18.111	
Subtotal: Recurring	- / 18.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.111	
Subtotal: TC056 - BLOCK 1B1 SSES	67 / 18.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 18.111	
Subtotal: Procurement, All Modification Items	- / 18.111	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.111	
Support (All Modification Items)													
2.1) Production Support	- / 8.021	- / 0.683	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.704	
2.2) Tech Refresh	- / -	- / 2.470	- / 0.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.987	
Subtotal: Support	- / 8.021	- / 3.153	- / 0.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.691	
Installation													
Modification Item 1 of 1: TC056 - BLOCK 1B1 SSES	- / 11.843	- / 1.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.002	
Subtotal: Installation	- / 11.843	- / 1.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.002	
Total													
Total Cost (Procurement + Support + Installation)	37.975	4.312	0.517	-	-	-	-	-	-	-	-	42.804	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4										P-1 Line Item Number / Title: 2312 / AN/SLQ-32										Modification Number / Title: 1 / TC056 - BLOCK 1B1 SSES											
Modification Item 1 of 1: TC056 - BLOCK 1B1 SSES																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: General Dynamics AIS															Manufacturer Location: >Fair Lakes VA																
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		Sep 2013																													
Delivery Dates		May 2014																													
Installation Information																															
Method of Implementation: SHIPALT/AIT : Installation Name: CNSG 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)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		15 / 2.206	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.206																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		15 / 2.206	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 2.206																		
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	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Out	15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15
Method of Implementation: SHIPALT/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)	Qty (Each) / Total Cost (\$ M)																	
Prior Years		49 / 9.637	3 / 1.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 10.796																		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 1 / TC056 - BLOCK 1B1 SSES

Modification Item 1 of 1: TC056 - BLOCK 1B1 SSES

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: SHIPALT/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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	49 / 9.637	3 / 1.159	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 10.796

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	49	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52
Out	49	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	52

Footnotes:

⁽¹⁾ FIFTEEN (15) UNITS PROCURED BY CHIEF NAVAL SECURITY GROUP (CNSG)

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 2 / TC056 - BLOCK 1B2 FEDERATED SEI

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>)	52.281	5.815	0.771	0.757	-	0.757	0.910	0.538	0.415	0.796	10.503	72.786
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	52.281	5.815	0.771	0.757	-	0.757	0.910	0.538	0.415	0.796	10.503	72.786
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	52.281	5.815	0.771	0.757	-	0.757	0.910	0.538	0.415	0.796	10.503	72.786

(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 federated SEI, consisting of SEI hardware plus an ICAD modification kit, fully integrates SEI functionality with the ICAD/Q-70 console. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 2 / TC056 - BLOCK 1B2 FEDERATED SEI					
Models of Systems Affected: TC056 SURFACE EW IMPROVEMENTS BLOCK 1: BLOCK 1B2 - FEDERATED SEI				Modification Type: SHIPALT/AIT				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: TC056 - BLOCK 1B2 FEDERATED SEI													
B Kits													
Recurring													
1.1.1) FMP SHIP UNITS - NonOrganic		60 / 27.558	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.411	9 / 4.003	70 / 31.972
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic		2 / 0.682	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.682
Subtotal: Recurring		- / 28.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.411	- / 4.003	- / 32.654
Subtotal: TC056 - BLOCK 1B2 FEDERATED SEI		62 / 28.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.411	9 / 4.003	72 / 32.654
Subtotal: Procurement, All Modification Items		- / 28.240	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.411	- / 4.003	- / 32.654
Support (All Modification Items)													
2.1) Production Support		- / 7.151	- / 0.784	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 7.935
2.2) Tech Refresh		- / -	- / 3.706	- / 0.771	- / 0.757	- / -	- / 0.757	- / 0.910	- / 0.538	- / 0.415	- / 0.341	- / 0.029	- / 7.467
Subtotal: Support		- / 7.151	- / 4.490	- / 0.771	- / 0.757	- / -	- / 0.757	- / 0.910	- / 0.538	- / 0.415	- / 0.341	- / 0.029	- / 15.402
Installation													
Modification Item 1 of 1: TC056 - BLOCK 1B2 FEDERATED SEI		- / 16.890	- / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.044	- / 6.471	- / 24.730
Subtotal: Installation		- / 16.890	- / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.044	- / 6.471	- / 24.730
Total													
Total Cost (Procurement + Support + Installation)		52.281	5.815	0.771	0.757	-	0.757	0.910	0.538	0.415	0.796	10.503	72.786

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 2 / TC056 - BLOCK 1B2 FEDERATED SEI																							
Modification Item 1 of 1: TC056 - BLOCK 1B2 FEDERATED SEI																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: General Dynamics AIS							Manufacturer Location: >Fair Lakes, VA																								
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 8																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates																															
Delivery Dates																															
Installation Information																															
Method of Implementation: SHIPALT/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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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	55 / 16.454	5 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 17.779																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.044	1 / 0.647	1 / 0.691																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 5.824	9 / 5.824																			
Total	55 / 16.454	5 / 1.325	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.044	10 / 6.471	70 / 24.294																			
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	55	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	70
Out	55	2	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10	70

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 2 / TC056 - BLOCK 1B2 FEDERATED SEI

Modification Item 1 of 1: TC056 - BLOCK 1B2 FEDERATED SEI

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)
Prior Years	2 / 0.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.436
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.436	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.436

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 / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 3 / TC056 - BLOCK 1B3 HGHS

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>)	8.064	11.090	30.961	28.438	-	28.438	23.845	32.472	29.183	25.169	99.999	289.221
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.064	11.090	30.961	28.438	-	28.438	23.845	32.472	29.183	25.169	99.999	289.221
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.064	11.090	30.961	28.438	-	28.438	23.845	32.472	29.183	25.169	99.999	289.221
<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:

High Gain High Sensitivity (HGHS) Adjunct Sensor is a critical improvement for threat correlation, situational awareness, and extending the battle space. Development Status/Major Development Milestones are: Milestone C/Low-Rate Initial Production (LRIP) 4Q FY12, Full Rate Production (FRP) 1Q FY15. Engineering Change Proposal (ECP) funding is provided to support changes resulting from software and hardware trouble reports from production, shipboard installations and/or land based testing. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

Note: FY13-15 unit/price updated to reflect FY13 actual contract pricing.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4			P-1 Line Item Number / Title: 2312 / AN/SLQ-32					Modification Number / Title: 3 / TC056 - BLOCK 1B3 HGHS				
Models of Systems Affected: TC056 SURFACE EW IMPROVEMENTS BLOCK 1 - BLOCK 1B3 HGHS			Modification Type: SHIPALT/AIT					Related RDT&E PEs: 0604757N				
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: TC056 - BLOCK 1B3 HGHS												
B Kits												
Recurring												
1.1.1) FMP BLOCK 1B3 - NonOrganic	2 / 3.342	5 / 8.356	15 / 21.395	12 / 17.016	- / -	12 / 17.016	9 / 10.648	14 / 18.522	10 / 13.208	11 / 14.455	40 / 54.469	118 / 161.411
1.1.2) NON-FMP SHORE SITE INSTALL - NonOrganic	2 / 3.342	- / -	3 / 4.255	- / -	- / -	- / -	2 / 2.662	- / -	- / -	- / -	- / -	7 / 10.259
1.1.3) BLK 1B3 GFE UNIT FOR BLK 3 OEM - NonOrganic	- / -	- / -	1 / 1.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.418
Subtotal: Recurring	- / 6.684	- / 8.356	- / 27.068	- / 17.016	- / -	- / 17.016	- / 13.310	- / 18.522	- / 13.208	- / 14.455	- / 54.469	- / 173.088
Subtotal: TC056 - BLOCK 1B3 HGHS	4 / 6.684	5 / 8.356	19 / 27.068	12 / 17.016	- / -	12 / 17.016	11 / 13.310	14 / 18.522	10 / 13.208	11 / 14.455	40 / 54.469	126 / 173.088
Subtotal: Procurement, All Modification Items	- / 6.684	- / 8.356	- / 27.068	- / 17.016	- / -	- / 17.016	- / 13.310	- / 18.522	- / 13.208	- / 14.455	- / 54.469	- / 173.088
Support (All Modification Items)												
2.1) Production Support	- / 1.147	- / 2.050	- / 2.562	- / 2.778	- / -	- / 2.778	- / 0.991	- / 2.612	- / 2.592	- / 1.991	- / 5.163	- / 21.886
2.2) Tech Refresh	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.3) Engineering Change Proposals (ECPs)	- / -	- / -	- / -	- / 0.489	- / -	- / 0.489	- / 0.284	- / 0.255	- / 0.453	- / 0.539	- / -	- / 2.020
Subtotal: Support	- / 1.147	- / 2.050	- / 2.562	- / 3.267	- / -	- / 3.267	- / 1.275	- / 2.867	- / 3.045	- / 2.530	- / 5.163	- / 23.906
Installation												
Modification Item 1 of 1: TC056 - BLOCK 1B3 HGHS	- / 0.233	- / 0.684	- / 1.331	- / 8.155	- / -	- / 8.155	- / 9.260	- / 11.083	- / 12.930	- / 8.184	- / 40.367	- / 92.227
Subtotal: Installation	- / 0.233	- / 0.684	- / 1.331	- / 8.155	- / -	- / 8.155	- / 9.260	- / 11.083	- / 12.930	- / 8.184	- / 40.367	- / 92.227
Total												
Total Cost (Procurement + Support + Installation)	8.064	11.090	30.961	28.438	-	28.438	23.845	32.472	29.183	25.169	99.999	289.221

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4										P-1 Line Item Number / Title: 2312 / AN/SLQ-32										Modification Number / Title: 3 / TC056 - BLOCK 1B3 HGHS											
Modification Item 1 of 1: TC056 - BLOCK 1B3 HGHS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: General Dynamics AIS															Manufacturer Location: >Fair Lakes, VA																
Administrative Leadtime (in Months): 1															Production Leadtime (in Months): 15																
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates		May 2013			Apr 2014			Jan 2015			Jan 2016			Jan 2017			Jan 2018			Jan 2019											
Delivery Dates		Dec 2014			Jun 2015			Apr 2016			Apr 2017			Apr 2018			Apr 2019			Apr 2020											
Installation Information																															
Method of Implementation: SHIPALT/AIT : Installation Name: FMP BLOCK 1B3																															
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 / 0.175	- / 0.501	- / -	2 / 1.057	- / 0.000	2 / 1.057	- / -	- / -	- / -	- / -	- / -	2 / 1.733																		
FY 2013		0 / 0.058	- / 0.183	- / -	5 / 2.804	- / -	5 / 2.804	- / -	- / -	- / -	- / -	- / -	5 / 3.045																		
FY 2014		- / -	- / -	- / 1.331	5 / 2.645	- / -	5 / 2.645	10 / 5.670	- / -	- / -	- / -	- / -	15 / 9.646																		
FY 2015		- / -	- / -	- / -	- / 0.389	- / -	- / 0.389	3 / 1.780	9 / 5.544	- / -	- / -	- / -	12 / 7.713																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.548	5 / 3.303	4 / 2.496	- / -	- / -	9 / 6.347																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.341	14 / 9.013	- / -	- / -	14 / 10.354																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.421	10 / 7.028	- / -	10 / 8.449																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.156	11 / 9.498	11 / 10.654																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 30.869	40 / 30.869																		
Total		0 / 0.233	- / 0.684	- / 1.331	12 / 6.895	- / -	12 / 6.895	13 / 7.998	14 / 10.188	18 / 12.930	10 / 8.184	51 / 40.367	118 / 88.810																		
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	-	5	5	1	5	5	2	5	4	2	3	2	5	5	6	-	4	3	3	51	118
Out	-	-	-	-	-	-	-	-	-	-	2	-	5	5	1	5	5	2	5	4	2	3	2	5	5	6	-	4	3	54	118
Method of Implementation: AIT : Installation Name: NON-FMP SHORE SITE 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		- / -	- / -	- / -	2 / 0.840	- / 0.000	2 / 0.840	- / -	- / -	- / -	- / -	- / -	2 / 0.840																		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 3 / TC056 - BLOCK 1B3 HGHS

Modification Item 1 of 1: TC056 - BLOCK 1B3 HGHS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: NON-FMP SHORE SITE 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)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.262	- / -	- / -	- / -	- / -	3 / 1.262
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.895	- / -	- / -	- / -	2 / 0.895
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 0.840	- / -	2 / 0.840	3 / 1.262	2 / 0.895	- / -	- / -	- / -	7 / 2.997

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	-	-	-	2	-	-	-	-	-	-	-	-	-	-	7
Out	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	3	-	-	-	-	2	-	-	-	-	-	-	-	-	7

Method of Implementation: AIT : Installation Name: BLK 1B3 GFE UNIT FOR BLK 3 OEM

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 / 0.420	- / -	1 / 0.420	- / -	- / -	- / -	- / -	- / -	1 / 0.420
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.420	- / -	1 / 0.420	- / -	- / -	- / -	- / -	- / -	1 / 0.420

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4											P-1 Line Item Number / Title: 2312 / AN/SLQ-32												Modification Number / Title: 3 / TC056 - BLOCK 1B3 HGHS								
Modification Item 1 of 1: TC056 - BLOCK 1B3 HGHS																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: BLK 1B3 GFE UNIT FOR BLK 3 OEM																															
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
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 / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 4 / TC056 - BLOCK 1 ESE

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>)	36.212	1.794	4.985	2.319	-	2.319	-	-	-	-	-	45.310
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	36.212	1.794	4.985	2.319	-	2.319	-	-	-	-	-	45.310
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	36.212	1.794	4.985	2.319	-	2.319	-	-	-	-	-	45.310
<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:

Electronic Surveillance Enhancement (ESE) replaces the Digital Processing Unit and Digital Tracking Unit with a modern computer system. This enhanced functionality increases AntiShip Missile Defense (ASMD) capabilities by increasing the probability of correct identification of threats. ESE is also being adapted to the unique Aircraft Carrier variant configuration.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 4 / TC056 - BLOCK 1 ESE					
Models of Systems Affected: SURFACE EW IMPROVEMENTS BLOCK 1 ESE				Modification Type: SHIPALT/AIT				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: TC056 - BLOCK 1 ESE													
B Kits													
Recurring													
1.1.1) FMP SHIP UNITS W/BLK 1A ICAD-Q70 - NonOrganic	26 / 2.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 2.668	
1.1.2) FMP SHIP UNITS - NonOrganic	99 / 18.685	2 / 1.083	2 / 1.101	2 / 1.145	- / -	2 / 1.145	- / -	- / -	- / -	- / -	- / -	105 / 22.014	
1.1.3) NON-FMP SHORE SITE UNITS - NonOrganic	34 / 6.452	- / -	1 / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 7.002	
Subtotal: Recurring	- / 27.805	- / 1.083	- / 1.651	- / 1.145	- / -	- / 1.145	- / -	- / -	- / -	- / -	- / -	- / 31.684	
Subtotal: TC056 - BLOCK 1 ESE	159 / 27.805	2 / 1.083	3 / 1.651	2 / 1.145	- / -	2 / 1.145	- / -	- / -	- / -	- / -	- / -	166 / 31.684	
Subtotal: Procurement, All Modification Items	- / 27.805	- / 1.083	- / 1.651	- / 1.145	- / -	- / 1.145	- / -	- / -	- / -	- / -	- / -	- / 31.684	
Support (All Modification Items)													
2.1) Production Support	- / 5.418	- / 0.518	- / 0.518	- / 0.581	- / -	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / 7.035	
2.2) Tech Refresh	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 5.418	- / 0.518	- / 0.518	- / 0.581	- / -	- / 0.581	- / -	- / -	- / -	- / -	- / -	- / 7.035	
Installation													
Modification Item 1 of 1: TC056 - BLOCK 1 ESE	- / 2.989	- / 0.193	- / 2.816	- / 0.593	- / -	- / 0.593	- / -	- / -	- / -	- / -	- / -	- / 6.591	
Subtotal: Installation	- / 2.989	- / 0.193	- / 2.816	- / 0.593	- / -	- / 0.593	- / -	- / -	- / -	- / -	- / -	- / 6.591	
Total													
Total Cost (Procurement + Support + Installation)	36.212	1.794	4.985	2.319	-	2.319	-	-	-	-	-	45.310	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4										P-1 Line Item Number / Title: 2312 / AN/SLQ-32										Modification Number / Title: 4 / TC056 - BLOCK 1 ESE											
Modification Item 1 of 1: TC056 - BLOCK 1 ESE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Northrop Grumman ⁽²⁾														Manufacturer Location: >Goleta, CA																	
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		Jun 2013				Nov 2013				Nov 2014																					
Delivery Dates		Dec 2013				May 2014				May 2015																					
Installation Information																															
Method of Implementation: SHIPALTS/AIT : Installation Name: FMP SHIP UNITS W/BLK 1A ICAD-Q70																															
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		26 / 0.000		-		-		-		-		-		-		-		-		-		-		26 / 0.000							
FY 2013		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2014		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2015		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2016		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2017		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2018		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2019		-		-		-		-		-		-		-		-		-		-		-		-							
To Complete		-		-		-		-		-		-		-		-		-		-		-		-							
Total		26 / 0.000		-		-		-		-		-		-		-		-		-		-		26 / -							
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	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Method of Implementation: SHIPALT/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		97 / 2.356		-		2 / 0.696		-		-		-		-		-		-		-		-		99 / 3.116							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 4 / TC056 - BLOCK 1 ESE

Modification Item 1 of 1: TC056 - BLOCK 1 ESE

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: SHIPALT/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)
FY 2013	- / -	- / 0.064	2 / 0.696	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.760
FY 2014	- / -	- / 0.065	2 / 0.696	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.761
FY 2015	- / -	- / -	- / 0.072	2 / 0.593	- / -	2 / 0.593	- / -	- / -	- / -	- / -	- / -	2 / 0.665
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	97 / 2.356	- / 0.193	6 / 2.160	2 / 0.593	- / -	2 / 0.593	- / -	- / -	- / -	- / -	- / -	105 / 5.302

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	97	-	-	-	-	2	2	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105
Out	97	-	-	-	-	2	2	-	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	105

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	31 / 0.633	- / -	3 / 0.492	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 1.125
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 0.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.164
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	31 / 0.633	- / -	4 / 0.656	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 1.289

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4											P-1 Line Item Number / Title: 2312 / AN/SLQ-32												Modification Number / Title: 4 / TC056 - BLOCK 1 ESE								
Modification Item 1 of 1: TC056 - BLOCK 1 ESE																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: AIT : Installation Name: NON-FMP SHORE SITE UNITS																															
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
In	31	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	
Out	31	-	-	-	-	-	3	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	35	

Footnotes:
(2) Production Lead Time 3-6 months

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 5 / TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) 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>)	21.329	56.939	113.119	169.118	-	169.118	205.683	212.379	185.895	158.262	884.636	2,007.360
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	21.329	56.939	113.119	169.118	-	169.118	205.683	212.379	185.895	158.262	884.636	2,007.360
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	21.329	56.939	113.119	169.118	-	169.118	205.683	212.379	185.895	158.262	884.636	2,007.360
<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:

Block 2 will provide AN/SLQ-32(V) an upgraded antenna, receiver, and combat systems interface. The upgrades will pace the threat, improve detection and accuracy and mitigate Electromagnetic Interference (EMI). Development Status/Major Development Milestones are: Milestone C Low-Rate Initial Production (LRIP) 2Q FY13, Full Rate Production (FRP) 1Q FY15. Engineering Change Proposal (ECP) funding is provided to support changes resulting from software and hardware trouble reports from production, shipboard installations and/or land based testing. Tech Refresh funding is provided to address obsolescence and reliability issues affecting fielded systems.

Note: FY13-15 unit/price updated to reflect FY13 actual contract pricing.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4					P-1 Line Item Number / Title: 2312 / AN/SLQ-32					Modification Number / Title: 5 / TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM			
Models of Systems Affected: TC059 SURFACE EW IMPROVEMENTS BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM					Modification Type: SHIPALT/AIT					Related RDT&E PEs: 0604757N			
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													
Modification Item 1 of 1: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM													
B Kits													
Recurring													
1.1.1) FMP SHIP UNITS - NonOrganic	1 / 11.137	4 / 41.654	7 / 84.864	12 / 137.961	- / -	12 / 137.961	14 / 156.517	14 / 154.844	10 / 110.542	10 / 110.497	46 / 523.848	118 / 1,331.864	
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	1 / 7.090	1 / 7.025	3 / 24.791	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 38.906	
Subtotal: Recurring	- / 18.227	- / 48.679	- / 109.655	- / 137.961	- / -	- / 137.961	- / 156.517	- / 154.844	- / 110.542	- / 110.497	- / 523.848	- / 1,370.770	
Subtotal: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	2 / 18.227	5 / 48.679	10 / 109.655	12 / 137.961	- / -	12 / 137.961	14 / 156.517	14 / 154.844	10 / 110.542	10 / 110.497	46 / 523.848	123 / 1,370.770	
Subtotal: Procurement, All Modification Items	- / 18.227	- / 48.679	- / 109.655	- / 137.961	- / -	- / 137.961	- / 156.517	- / 154.844	- / 110.542	- / 110.497	- / 523.848	- / 1,370.770	
Support (All Modification Items)													
2.1) Production Support	- / 1.526	- / 7.093	- / -	- / 5.554	- / -	- / 5.554	- / 3.031	- / 4.525	- / 6.138	- / 5.533	- / 35.691	- / 69.091	
2.2) Tech Refresh	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.334	- / 0.937	- / 46.751	- / 49.022	
2.3) Engineering Change Proposals (ECPs)	- / -	- / -	- / -	- / 1.511	- / -	- / 1.511	- / 1.379	- / 0.255	- / 1.636	- / 1.514	- / -	- / 16.295	
Subtotal: Support	- / 1.526	- / 7.093	- / -	- / 7.065	- / -	- / 7.065	- / 4.410	- / 4.780	- / 9.108	- / 7.984	- / 82.442	- / 124.408	
Installation													
Modification Item 1 of 1: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM	- / 1.576	- / 1.167	- / 3.464	- / 24.092	- / -	- / 24.092	- / 44.756	- / 52.755	- / 66.245	- / 39.781	- / 278.346	- / 512.182	
Subtotal: Installation	- / 1.576	- / 1.167	- / 3.464	- / 24.092	- / -	- / 24.092	- / 44.756	- / 52.755	- / 66.245	- / 39.781	- / 278.346	- / 512.182	
Total													
Total Cost (Procurement + Support + Installation)	21.329	56.939	113.119	169.118	-	169.118	205.683	212.379	185.895	158.262	884.636	2,007.360	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 5 / TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM																							
Modification Item 1 of 1: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin							Manufacturer Location: >Syracuse, NY																								
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 17																								
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019																								
Contract Dates	May 2013	Apr 2014	Jan 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019																								
Delivery Dates	Jan 2015	Jul 2015	May 2016	May 2017	May 2018	May 2019	May 2020																								
Installation Information																															
Method of Implementation: SHIPALT/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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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 / 1.576	- / 1.167	- / -	1 / 3.278	- / 0.000	1 / 3.278	- / -	- / -	- / -	- / -	- / -	- / -	1 / 6.021																		
FY 2013	- / -	- / -	- / -	4 / 13.112	- / -	4 / 13.112	- / -	- / -	- / -	- / -	- / -	- / -	4 / 13.112																		
FY 2014	- / -	- / -	- / 3.464	1 / 3.278	- / -	1 / 3.278	6 / 19.113	- / -	- / -	- / -	- / -	- / -	7 / 25.855																		
FY 2015	- / -	- / -	- / -	- / 3.074	- / -	- / 3.074	6 / 20.163	6 / 20.024	- / -	- / -	- / -	- / -	12 / 43.261																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.450	8 / 28.580	6 / 20.345	- / -	- / -	- / -	14 / 52.375																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.151	12 / 42.176	2 / 6.811	- / -	- / -	14 / 53.138																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.724	8 / 27.778	2 / 4.105	- / -	10 / 35.607																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.192	10 / 42.260	- / -	10 / 47.452																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 231.981	- / -	46 / 231.981																		
Total	0 / 1.576	- / 1.167	- / 3.464	6 / 22.742	- / -	6 / 22.742	12 / 42.726	14 / 52.755	18 / 66.245	10 / 39.781	58 / 278.346	- / -	118 / 508.802																		
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	1	2	2	7	1	4	2	4	4	2	6	6	4	2	2	2	4	58	118
Out	-	-	-	-	-	-	-	-	-	-	1	-	4	1	2	2	7	1	4	2	4	4	2	6	6	4	2	2	2	62	118

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 5 / TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM

Modification Item 1 of 1: TC059 - BLOCK 2 ELECTRONIC SUPPORT (ES) SYSTEM

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)
Prior Years	- / -	- / -	- / -	1 / 0.675	- / 0.000	1 / 0.675	- / -	- / -	- / -	- / -	- / -	1 / 0.675
FY 2013	- / -	- / -	- / -	1 / 0.675	- / -	1 / 0.675	- / -	- / -	- / -	- / -	- / -	1 / 0.675
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.030	- / -	- / -	- / -	- / -	3 / 2.030
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 1.350	- / -	2 / 1.350	3 / 2.030	- / -	- / -	- / -	- / -	5 / 3.380

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	5

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 6 / TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) 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>)	0.000	-	-	-	-	-	-	93.784	163.865	346.492	2,211.690	2,815.831
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	93.784	163.865	346.492	2,211.690	2,815.831
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	93.784	163.865	346.492	2,211.690	2,815.831
<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:

Block 3 will provide an Electronic Attack (EA) capability improvement required for the AN/SLQ-32(V) system to keep pace with the threat. The upgrade will provide a common EA capability to all surface combatants (CVN,CG, DDG, LHA) outfitted with the active variant of the AN/SLQ-32, mainly the (V)3 and (V)4, as well as select new-construction platforms. The program builds on the EW Electronic Support (ES) capability delivered by Blocks 1 and 2. Development Status/Major Milestones are: Milestone C Low-Rate Initial Production (LRIP) 2Q FY 17, IOT&E, 4Q FY18

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32					Modification Number / Title: 6 / TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM				
Models of Systems Affected: TC060 SURFACE EW IMPROVEMENTS BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM				Modification Type: SHIPALT/AIT					Related RDT&E PEs: 0604757N				
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													
Modification Item 1 of 1: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM													
B Kits													
Recurring													
1.1.1) FMP SHIP UNITS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 50.704	2 / 96.318	6 / 285.146	38 / 1,418.447	47 / 1,850.615	
1.1.2) NON-FMP SHORE SITE UNITS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 38.089	1 / 36.903	- / -	- / -	2 / 74.992	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 88.793	- / 133.221	- / 285.146	- / 1,418.447	- / 1,925.607	
Subtotal: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 88.793	3 / 133.221	6 / 285.146	38 / 1,418.447	49 / 1,925.607	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 88.793	- / 133.221	- / 285.146	- / 1,418.447	- / 1,925.607	
Support (All Modification Items)													
2.1) Production Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.225	- / 7.377	- / 10.381	- / 87.751	- / 107.734	
2.2) Tech Refresh	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 27.770	- / 27.770	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.225	- / 7.377	- / 10.381	- / 115.521	- / 135.504	
Installation													
Modification Item 1 of 1: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.766	- / 23.267	- / 50.965	- / 677.722	- / 754.720	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.766	- / 23.267	- / 50.965	- / 677.722	- / 754.720	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	93.784	163.865	346.492	2,211.690	2,815.831	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 6 / TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM																								
Modification Item 1 of 1: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM																																
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>): 18																									
Dates	FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019													
Contract Dates													Dec 2016			Dec 2017			Feb 2019													
Delivery Dates													Jun 2018			Jun 2019			Aug 2020													
Installation Information																																
Method of Implementation: SHIPALT/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																			
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.766	1 / 16.606	- / -	- / -	1 / 19.372																			
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.188	2 / 33.212	- / -	2 / 37.400																			
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.296	6 / 49.589	6 / 52.885																				
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.984	38 / 628.133	38 / 640.117																				
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.766	1 / 20.794	2 / 48.492	44 / 677.722	47 / 749.774																			
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	44	47
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	45	47	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 6 / TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM

Modification Item 1 of 1: TC060 - BLOCK 3 ELECTRONIC ATTACK (EA) SYSTEM

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)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.473	- / -	- / -	1 / 2.473
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.473	- / -	1 / 2.473
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.473	1 / 2.473	- / -	2 / 4.946

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 / 02 / 4	P-1 Line Item Number / Title: 2312 / AN/SLQ-32	Modification Number / Title: 7 / TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA 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>)	0.000	-	-	13.950	-	13.950	7.500	-	-	-	-	21.450
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	13.950	-	13.950	7.500	-	-	-	-	21.450
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	13.950	-	13.950	7.500	-	-	-	-	21.450
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Block 3T will provide an Electronic Attack (EA) capability improvement required for the AN/SLQ32(V) system to keep pace with the threat. Block 3T provides initial, limited interim capability of a focused application of the Naval Research Lab (NRL) Transportable EW Module (TEWM) system to meet an urgent operational needs statement.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4				P-1 Line Item Number / Title: 2312 / AN/SLQ-32				Modification Number / Title: 7 / TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System					
Models of Systems Affected: TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System				Modification Type: SHIPALT/AIT				Related RDT&E PEs: 0604757N					
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: TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System													
B Kits													
Recurring													
1.1.2) FMP Ship Units - NonOrganic		- / -	- / -	- / -	3 / 13.950	- / -	3 / 13.950	- / -	- / -	- / -	- / -	- / -	3 / 13.950
Subtotal: Recurring		- / 0.000	- / -	- / -	- / 13.950	- / -	- / 13.950	- / -	- / -	- / -	- / -	- / -	- / 13.950
Subtotal: TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System		- / -	- / -	- / -	3 / 13.950	- / -	3 / 13.950	- / -	- / -	- / -	- / -	- / -	3 / 13.950
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / 13.950	- / -	- / 13.950	- / -	- / -	- / -	- / -	- / -	- / 13.950
Installation													
Modification Item 1 of 1: TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 7.500	- / -	- / -	- / -	- / -	- / 7.500
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 7.500	- / -	- / -	- / -	- / -	- / 7.500
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	13.950	-	13.950	7.500	-	-	-	-	21.450

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 4										P-1 Line Item Number / Title: 2312 / AN/SLQ-32										Modification Number / Title: 7 / TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System											
Modification Item 1 of 1: TC060 - BLOCK 3T SURFACE EW IMPROVEMENTS EA System																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Exelis													Manufacturer Location: >Boalsburg, PA																		
Administrative Leadtime <i>(in Months)</i> : 0													Production Leadtime <i>(in Months)</i> : 12																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Jan 2015																					
Delivery Dates										Jan 2016																					
Installation Information																															
Method of Implementation: [none specified] : 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							
		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total 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		- / -		- / -		- / -		- / -		- / -		- / -		3 / 7.500		- / -		- / -		- / -		- / -		- / -		3 / 7.500					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		3 / 7.500		- / -		- / -		- / -		- / -		- / -		3 / 7.500					
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	

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 02: Communications & Electronics Equip / BSA 5: Reconnaissance Equipment						P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit						
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>)	838.937	90.027	100.736	124.862	-	124.862	145.987	157.602	165.884	188.683	-	1,812.718
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	838.937	90.027	100.736	124.862	-	124.862	145.987	157.602	165.884	188.683	-	1,812.718
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	838.937	90.027	100.736	124.862	-	124.862	145.987	157.602	165.884	188.683	-	1,812.718
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	2.723	2.434	6.448	-	6.448	3.825	4.145	3.957	4.149	Continuing	Continuing
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:												
[P5 / 1U027 Communication Data Link System (CDLS)]: CDLS provides Anti-Access/Area Denial (A2AD) support to CDLS fielded platforms. CDLS increases situational awareness for Anti-submarine Warfare (ASW) and Humanitarian Assistance/Disaster Relief (HA/DR), and provides live Full Motion Video (FMV) for Battle Group security through a Line of Sight (LOS) data link for signal & imagery Intelligence Surveillance Reconnaissance (ISR) data transport for Navy/Joint airborne sensors and ships. The Video Interface Group (VIG) kit is an additional workstation that provides streaming video display, record, and playback capability to support Tactical Common Data Link (TCDL) equipped Navy aircraft. To meet National Security Agency Communications Security (COMSEC) mandate, funding will support the procurement and installation of an Engineering Change Proposal (ECP) upgrade including KI-11 crypto.												
[P5 / 1U029 Information Warfare (IW) Training Equipment]: IW training equipment provides operator, unit or multi-unit level training on Tactical Cryptologic Systems (TCS). This equipment enhances initial skills, provides refresher training and increases proficiency of the operator on TCS through the generation and replay of operational scenarios by software simulation versus hardware stimulation. IW training equipment is updated based on new variants of Ships Signal Exploitation Equipment (SSEE) systems. Additionally this line supports the procurement of the STALLION (formerly known as Cryptologic On-Line Trainer) hardware for shipboard IW team training.												
[P3A / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship]: ECP/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupportable equipment for the Ships Signal Exploitation Equipment (SSEE) Increment (Inc) E program and incorporates Pre-Planned Product Improvements (P3I) for the acquisition and localization of Signals of Interest (SOI) and Electronic Warfare (EW). These changes allow for a common logistic support baseline and provide the hardware and software to incorporate P3I/new COTS base technologies. Specifically, this funds field change kits/ECPs that may also include all or some of the following upgrades; Tapered Slot Antennas (TSA), Hostile Force Integration Targeting Subsystems (HITS) hosted on Digital Receiver Technology (DRT), Radio Frequency Distribution Unit (RFDU) Backfits, Digital Tuners, Global Positioning System (GPS) Selective Availability Anti-Spoofing Modules (SAASM), various antenna types, various hardware (to include blade servers) and software upgrades, and equipment to provide Information Operation (IO)/EW acquisition capabilities and localization of modern threat communications and SOI.												
[P3A - 2 / 1U017 SSEE Increment E]: The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.												
[P3A - 3 / 1U017 SSEE Increment F Ship]: The SSEE Inc F program is an incremental acquisition, COTS/NDI program designed as the building block to improve the Information Warfare (IW) exploitation / IO / non-kinetic and subsequent tactical cryptologic capability across Navy surface combatant platforms. SSEE Inc F provides the afloat IW / cryptologist with IO / non-kinetic capabilities and subsequent threat identification and analysis of Communications Intelligence as well as queuing of radio direction finding assets. Equipment includes receivers, Radio Frequency management systems, recorders, audio distribution												

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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 02: Communications & Electronics Equip / BSA 5: Reconnaissance Equipment										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
systems, computers, antennas and ancillary hardware. The system is upgraded incrementally as improvements are developed. SSEE Inc F employs the Maritime Cryptologic Strategy for the 21st century concept of a single core architecture that is easily modernized and scaled in capability. The system design permits the rapid insertion of new and emerging P3I to address the evolving threat. The system utilizes generic processor technology to counteract obsolescence issues with digital signal processing / field programmable gate array technologies and provide software receivers for ease of modification to deal with known and projected threat SOI. Automated signal acquisition and integrated radio direction finding are incorporated into the SSEE Inc F system. [P3A - 5 / 1U018/1U019 Paragon-Graywing]: Paragon is a classified Navy tactical signals intelligence frequency extension capability that will be integrated into SSEE systems. This capability provides simultaneous detection, collection, processing, IO and display of communication intelligence data from hostile, high threat and adversary platforms in select frequency ranges that are not prosecuted or countered today. Graywing is an advanced common data link system that will be integrated into SSEE systems. It is a critical component of "Ballistic Missile Defense, Executive Committee, Anti-Submarine Warfare, Chief of Naval Operations, Executive Board IO Countermeasure Red Flash" initiative (details held at a higher classification level). [P3A - 7 / 1U014 Engineering Change Proposal (ECP) Increment F]: Engineering Change Proposal (ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and end-of-life (EOL) equipment for the Ship's Signal Exploitation Equipment (SSEE) Increment F program. ECP incorporates P3I for the acquisition and localization of the latest Signals of Interest (SOI) and Information Operations (IO). ECP maintains and improves upon SSEE INC F's capability and relevance within a rapidly evolving threat environment.																					
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)	
Item - 1 / Shipboard IW Exploit	P-5		730.706	17	12.422	160.962	26	4.185	845.000	1	0.845	855.000	1	0.855	-	-	-	855.000	1	0.855	
P-3a - 1 / 1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship	P-3a		-	-	334.958	-	-	6.120	-	-	12.447	-	-	14.600	-	-	-	-	-	14.600	
P-3a - 2 / 1U017 SSEE Increment E	P-3a		-	-	290.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
P-3a - 3 / 1U017 SSEE Increment F Ship	P-3a		-	-	156.999	-	-	74.595	-	-	55.775	-	-	79.935	-	-	-	-	-	79.935	
P-3a - 4 / 1U017 SSEE Inc F - Shore	P-3a		-	-	34.992	-	-	-	-	-	-	-	-	3.465	-	-	-	-	-	3.465	
P-3a - 5 / 1U018/1U019 Paragon-Graywing	P-3a		-	-	0.000	-	-	2.376	-	-	19.094	-	-	12.077	-	-	-	-	-	12.077	
P-3a - 6 / 1U018/19 Paragon-Graywing Shore	P-3a		-	-	0.000	-	-	2.176	-	-	12.575	-	-	1.204	-	-	-	-	-	1.204	
P-3a - 7 / 1U014 Engineering Change Proposal (ECP) Increment F	P-3a		-	-	8.224	-	-	-	-	-	-	-	-	12.726	-	-	-	-	-	12.726	
P-3a - 8 / 1U014 Engineering Change Proposal (ECP) Increment F Shore	P-3a		-	-	1.050	-	-	0.575	-	-	-	-	-	-	-	-	-	-	-	-	

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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 02: Communications & Electronics Equip / BSA 5: Reconnaissance Equipment										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit										
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)
Total Gross/Weapon System Cost			-	-	838.937	-	-	90.027	-	-	100.736	-	-	124.862	-	-	-	-	-	124.862
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)
Item - 1 / Shipboard IW Exploit	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship	P-3a		-	-	8.176	-	-	3.601	-	-	2.367	-	-	2.835	-	-	-	-	-	385.104
P-3a - 2 / 1U017 SSEE Increment E	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	290.292
P-3a - 3 / 1U017 SSEE Increment F Ship	P-3a		-	-	77.812	-	-	68.139	-	-	83.677	-	-	101.451	-	-	-	-	-	698.383
P-3a - 4 / 1U017 SSEE Inc F - Shore	P-3a		-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	38.957
P-3a - 5 / 1U018/1U019 Paragon-Graywing	P-3a		-	-	46.163	-	-	73.520	-	-	73.265	-	-	79.422	-	-	-	-	-	305.917
P-3a - 6 / 1U018/19 Paragon- Graywing Shore	P-3a		-	-	6.105	-	-	6.536	-	-	3.234	-	-	0.181	-	-	-	-	-	32.011
P-3a - 7 / 1U014 Engineering Change Proposal (ECP) Increment F	P-3a		-	-	6.359	-	-	4.917	-	-	2.935	-	-	4.374	-	-	-	-	-	39.535
P-3a - 8 / 1U014 Engineering Change Proposal (ECP) Increment F Shore	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.625
Total Gross/Weapon System Cost			-	-	145.987	-	-	157.602	-	-	165.884	-	-	188.683	-	-	-	-	-	1,812.718
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
Justification: PROCUREMENT DATA: FY15 funding will procure: SSEE INC F: (8) SSEE Inc F Systems; (1)Training Device Information Warfare (IW): (1)Training Unit (Simulator) SSEE INC F ECP: (6) Processing Upgrades; (3) SSEE INC F DRTs; (3) LRIP to FRP Kits SSEE INC E: (6) Medusa; (18) Engineering Change Proposal (ECP)/Field Change Kits; (8) Digital Tuners SSEE Modifications: (1) Graywing System																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit						Item Number / Title [DODIC]: 1 / Shipboard IW Exploit									
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>)		17	26	1	1	-	1	-	-	-	-	-	-						
Gross/Weapon System Cost (<i>\$ in Millions</i>)		12.422	4.185	0.845	0.855	-	0.855	-	-	-	-	-	-						
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (<i>\$ in Millions</i>)		12.422	4.185	0.845	0.855	-	0.855	-	-	-	-	-	-						
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (<i>\$ in Millions</i>)		12.422	4.185	0.845	0.855	-	0.855	-	-	-	-	-	-						
(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>)		730.706	160.962	845.000	855.000	-	855.000	-	-	-	-	-	-						
# 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 (\$ 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)
Hardware - 1U027 Communication Data Link System (CDLS) Cost																			
Recurring Cost																			
1.1.1) Communication Data Link System (CDLS)		204.000	15	3.060	124.240	25	3.106	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	3.060	-	-	3.106	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 1U027 Communication Data Link System (CDLS) Cost		-	-	3.060	-	-	3.106	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 1U029 Information Warfare (IW) Training Equipment Cost																			
Recurring Cost																			
2.1.1) Information Warfare (IW) Training Equipment		4,487.500	2	8.975	832.000	1	0.832	845.000	1	0.845	855.000	1	0.855	-	-	-	855.000	1	0.855
Subtotal: Recurring Cost		-	-	8.975	-	-	0.832	-	-	0.845	-	-	0.855	-	-	-	-	-	0.855
Subtotal: Hardware - 1U029 Information Warfare (IW) Training Equipment Cost		-	-	8.975	-	-	0.832	-	-	0.845	-	-	0.855	-	-	-	-	-	0.855
Hardware - 1U777 - CDL Install (Ship) Cost																			
Recurring Cost																			
3.1.1) CDLS		-	-	0.203	-	-	0.198	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.203	-	-	0.198	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 1U777 - CDL Install (Ship) Cost		-	-	0.203	-	-	0.198	-	-	-	-	-	-	-	-	-	-	-	-
Support - 1U555 Production Support Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 02 / 5							2360 / Shipboard IW Exploit							1 / Shipboard IW Exploit					
Cost Elements	ID CD	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)
4.1) CDLS		-	-	0.184	-	-	0.049	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - 1U555 Production Support Cost		-	-	0.184	-	-	0.049	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		730.706	17	12.422	160.962	26	4.185	845.000	1	0.845	855.000	1	0.855	-	-	-	855.000	1	0.855
Cost Elements	ID CD	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)
Hardware - 1U027 Communication Data Link System (CDLS) Cost																			
Recurring Cost																			
1.1.1) Communication Data Link System (CDLS)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 1U027 Communication Data Link System (CDLS) Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 1U029 Information Warfare (IW) Training Equipment Cost																			
Recurring Cost																			
2.1.1) Information Warfare (IW) Training Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 1U029 Information Warfare (IW) Training Equipment Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - 1U777 - CDL Install (Ship) Cost																			
Recurring Cost																			
3.1.1) CDLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - 1U777 - CDL Install (Ship) Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - 1U555 Production Support Cost																			
4.1) CDLS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - 1U555 Production Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks:																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Item Number / Title [DODIC]: 1 / Shipboard IW Exploit
[Hardware] CDLS funding supports crypto status module drawers for Communications Security (COMSEC) compliance per National Security Agency mandate.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 1 / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship

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>	334.958	6.120	12.447	14.600	-	14.600	8.176	3.601	2.367	2.835	-	385.104
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	334.958	6.120	12.447	14.600	-	14.600	8.176	3.601	2.367	2.835	-	385.104
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	334.958	6.120	12.447	14.600	-	14.600	8.176	3.601	2.367	2.835	-	385.104

(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:

Engineering Change Proposal (ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete, end of life and unsupportable equipment for the Ships Signal Exploitation Equipment (SSEE) Increment E program. ECP incorporates Pre-Planned Product Improvements (P3I) for the acquisition and localization of the latest, fleet-defined and prioritized Signals of Interest (SOI) and Information Operations (IO). ECP changes allow for a common logistic support baseline and provide the hardware and software to incorporate P3I/new COTS base technologies.

[Digital Receiver Technology (DRT)] DRTs to be installed in conjunction with SSEE Inc E Group II (A) Field Change Kit as Kits.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5					P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit					Modification Number / Title: 1 / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship			
Models of Systems Affected: Various					Modification Type: Upgrade					Related RDT&E PEs: 0304785N			
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> 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship													
B Kits													
Recurring													
1.1.1) SSEE Inc E ECP's (Prior Year) - NonOrganic	35 / 232.792	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	35 / 232.792
1.1.2) SSEE Inc E Group II (A) Field Change Kit - NonOrganic ⁽¹⁾	29 / 31.272	10 / 1.865	8 / 1.395	10 / 2.058	- / -	10 / 2.058	2 / 0.380	- / -	- / -	- / -	- / -	- / -	59 / 36.970
1.1.3) SSEE Inc E Group III (Antenna Upgrades) - NonOrganic	20 / 8.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 8.760
1.1.4) Digital Receiver Technology (DRT) - Organic	- / -	- / -	10 / 4.950	8 / 4.000	- / -	8 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	18 / 8.950
1.1.5) MEDUSA - NonOrganic	21 / 7.500	4 / 1.000	7 / 1.820	6 / 1.620	- / -	6 / 1.620	5 / 1.400	- / -	- / -	- / -	- / -	- / -	43 / 13.340
1.1.6) MEDUSA - Non Installed - Organic	5 / 2.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.500
1.1.7) Digital Tuner ECP - NonOrganic	- / -	- / -	- / -	8 / 2.800	- / -	8 / 2.800	3 / 1.065	5 / 1.705	3 / 1.041	5 / 1.760	- / -	- / -	24 / 8.371
<i>Subtotal: Recurring</i>	- / 282.824	- / 2.865	- / 8.165	- / 10.478	- / -	- / 10.478	- / 2.845	- / 1.705	- / 1.041	- / 1.760	- / -	- / -	- / 311.683
<i>Subtotal: 1U013 Engineering Change Proposal (ECP)/ Obsolescence Ship</i>	110 / 282.824	14 / 2.865	25 / 8.165	32 / 10.478	- / -	32 / 10.478	10 / 2.845	5 / 1.705	3 / 1.041	5 / 1.760	- / -	- / -	204 / 311.683
<i>Subtotal: Procurement, All Modification Items</i>	- / 282.824	- / 2.865	- / 8.165	- / 10.478	- / -	- / 10.478	- / 2.845	- / 1.705	- / 1.041	- / 1.760	- / -	- / -	- / 311.683
Support (All Modification Items)													
2.1) Production Support	- / 1.638	- / 0.143	- / 0.490	- / 0.576	- / -	- / 0.576	- / 0.156	- / 0.085	- / 0.062	- / 0.146	- / -	- / -	- / 3.296
2.2) DSA - Ship	- / 1.286	- / 0.912	- / 0.920	- / 1.296	- / -	- / 1.296	- / 0.939	- / 0.458	- / 0.289	- / 0.335	- / -	- / -	- / 6.435
<i>Subtotal: Support</i>	- / 2.924	- / 1.055	- / 1.410	- / 1.872	- / -	- / 1.872	- / 1.095	- / 0.543	- / 0.351	- / 0.481	- / -	- / -	- / 9.731
Installation													
<i>Modification Item 1 of 1:</i> 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship	- / 49.210	- / 2.200	- / 2.872	- / 2.250	- / -	- / 2.250	- / 4.236	- / 1.353	- / 0.975	- / 0.594	- / -	- / -	- / 63.690
<i>Subtotal: Installation</i>	- / 49.210	- / 2.200	- / 2.872	- / 2.250	- / -	- / 2.250	- / 4.236	- / 1.353	- / 0.975	- / 0.594	- / -	- / -	- / 63.690
Total													
Total Cost (Procurement + Support + Installation)	334.958	6.120	12.447	14.600	-	14.600	8.176	3.601	2.367	2.835	-	-	385.104

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 1 / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship				
Modification Item 1 of 1: 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TICOM-SSEE Inc E DRTs							Manufacturer Location: >TX					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Jan 2014	Nov 2014									
Delivery Dates		Jan 2015	Nov 2015									
Manufacturer Name: SSC LANT/Various-SSEE Inc E Grp II(A)							Manufacturer Location: >Charleston, SC					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jan 2013	Apr 2014	Nov 2014									
Delivery Dates	Jan 2014	Apr 2015	Nov 2015									
Manufacturer Name: SSC LANT/Various-MEDUSA							Manufacturer Location: >Charleston, SC					
Administrative Leadtime (<i>in Months</i>): 3							Production Leadtime (<i>in Months</i>): 12					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jan 2013	Apr 2014	Jan 2015									
Delivery Dates	Jan 2014	Apr 2015	Jan 2016									
Manufacturer Name: ARGON - ECP INC E Digital Tuners							Manufacturer Location: >Fairfax, VA					
Administrative Leadtime (<i>in Months</i>): 1							Production Leadtime (<i>in Months</i>): 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: [none specified] : Installation Name: ECP/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	78 / 49.210	20 / 2.200	7 / 0.364	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 51.774
FY 2013	- / -	- / -	14 / 2.508	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 2.508
FY 2014	- / -	- / -	- / -	15 / 2.250	- / -	15 / 2.250	- / -	- / -	- / -	- / -	- / -	15 / 2.250
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	16 / 2.716	- / -	- / -	- / -	- / -	16 / 2.716

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 1 / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship

Modification Item 1 of 1: 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: ECP/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)
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.774	- / -	- / -	- / -	7 / 0.774
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	78 / 49.210	20 / 2.200	21 / 2.872	15 / 2.250	- / -	15 / 2.250	16 / 2.716	7 / 0.774	- / -	- / -	- / -	157 / 60.022

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	75	3	-	2	9	9	4	3	6	8	2	4	8	1	8	3	-	5	1	2	4	-	-	-	-	-	-	-	-	-	157
Out	75	3	-	-	2	18	-	3	3	15	-	1	2	12	1	5	4	6	-	1	2	4	-	-	-	-	-	-	-	-	157

Method of Implementation: Ship : Installation Name: Digital Tuner ECP

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	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.520	- / -	- / -	- / -	- / -	8 / 1.520
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.579	- / -	- / -	- / -	3 / 0.579
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.975	- / -	- / -	5 / 0.975
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.594	- / -	3 / 0.594
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / -	5 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.520	3 / 0.579	5 / 0.975	3 / 0.594	5 / -	24 / 3.668

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Exhibit P-3a, Individual Modification: PB 2015 Navy																						Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit										Modification Number / Title: 1 / 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship											
Modification Item 1 of 1: 1U013 Engineering Change Proposal (ECP)/Obsolescence Ship																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Ship : Installation Name: Digital Tuner ECP																															
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	1	-	3	-	-	1	2	2	2	1	-	-	1	2	5	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	2	3	-	-	-	3	-	1	3	1	-	1	2	5	24
Method of Implementation (Organic): Not Installed - Digital Receiver Technology (DRT)																						Installation Quantity: 18									
Method of Implementation (Organic): Not Installed - MEDUSA - Non Installed																						Installation Quantity: 5									
Footnotes: ⁽¹⁾ ECP equipment being procured supports SSEE Inc E. ECPs are then grouped into "Field Change Kits" based on configuration of the lot and/or variant being upgraded for installation. - Unit cost listed above is the average unit cost, which ranges from \$.150M to \$.224M. Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. SSEE INC E consists of 6 variants on 9 different platform types. Additionally, older SSEE INC E variants will require additional equipment to bring the system up to the latest baseline. - SSEE E Group II (A) Field Change Kits (FCK) include "H" and "S" blade servers as part of the FCK. - Installation quantities may reflect multiple ECP Procurements based on ship configuration. - First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 2 / 1U017 SSEE Increment E

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>	290.292	-	-	-	-	-	-	-	-	-	-	290.292
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	290.292	-	-	-	-	-	-	-	-	-	-	290.292
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	290.292	-	-	-	-	-	-	-	-	-	-	290.292
<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:

The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 2 / 1U017 SSEE Increment E					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0304785N					
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: 1U017 SSEE Increment E													
B Kits													
Recurring													
1.1.1) 1U017 SSEE Inc E - Ship - NonOrganic	51 / 198.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 198.963	
Subtotal: Recurring	- / 198.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 198.963	
Subtotal: 1U017 SSEE Increment E	51 / 198.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 198.963	
Subtotal: Procurement, All Modification Items	- / 198.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 198.963	
Support (All Modification Items)													
2.1) Production Support	- / 16.998	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 16.998	
2.2) DSA (Ship)	15 / 15.343	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 15.343	
Subtotal: Support	- / 32.341	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.341	
Installation													
Modification Item 1 of 1: 1U017 SSEE Increment E	- / 58.988	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 58.988	
Subtotal: Installation	- / 58.988	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 58.988	
Total													
Total Cost (Procurement + Support + Installation)	290.292	-	-	-	-	-	-	-	-	-	-	290.292	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit										Modification Number / Title: 2 / 1U017 SSEE Increment E											
Modification Item 1 of 1: 1U017 SSEE Increment E																															
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: Ship : Installation Name: 1U017 SSEE Inc E - Ship																															
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		51 / 58.988		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		51 / 58.988					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		51 / 58.988		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		51 / 58.988					
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	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Out	51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	51
Method of Implementation (Organic): Not Installed - DSA (Ship)																															
																				Installation Quantity: 15											

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 3 / 1U017 SSEE Increment F Ship

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>)	156.999	74.595	55.775	79.935	-	79.935	77.812	68.139	83.677	101.451	-	698.383
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	156.999	74.595	55.775	79.935	-	79.935	77.812	68.139	83.677	101.451	-	698.383
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	156.999	74.595	55.775	79.935	-	79.935	77.812	68.139	83.677	101.451	-	698.383
<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:

The Ship Signal Exploitation Equipment (SSEE)Inc F Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 3 / 1U017 SSEE Increment F Ship					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0304785N					
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: 1U017 SSEE Increment F Ship													
B Kits													
Recurring													
1.1.1) Inc F Systems (Ship) - NonOrganic ⁽²⁾	18 / 128.146	7 / 53.102	4 / 32.840	8 / 63.280	- / -	8 / 63.280	7 / 55.720	6 / 48.060	8 / 64.368	7 / 57.743	- / -	65 / 503.259	
1.1.2) SSEE De-Scope transfer funding from SCN to OPN - NonOrganic ⁽³⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 18.000	- / -	2 / 18.000	
Subtotal: Recurring	- / 128.146	- / 53.102	- / 32.840	- / 63.280	- / -	- / 63.280	- / 55.720	- / 48.060	- / 64.368	- / 75.743	- / -	- / 521.259	
Subtotal: 1U017 SSEE Increment F Ship	18 / 128.146	7 / 53.102	4 / 32.840	8 / 63.280	- / -	8 / 63.280	7 / 55.720	6 / 48.060	8 / 64.368	9 / 75.743	- / -	67 / 521.259	
Subtotal: Procurement, All Modification Items	- / 128.146	- / 53.102	- / 32.840	- / 63.280	- / -	- / 63.280	- / 55.720	- / 48.060	- / 64.368	- / 75.743	- / -	- / 521.259	
Support (All Modification Items)													
2.1) Production Support (Ship)	- / 8.976	- / 2.769	- / 1.970	- / 3.890	- / -	- / 3.890	- / 2.786	- / 2.901	- / 3.577	- / 3.546	- / -	- / 30.415	
2.2) Production Support (SCN to OPN Conversion)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.276	- / -	- / 1.276	
2.3) DSA (Ship)	- / 5.177	- / 3.524	- / 2.862	- / 2.885	- / -	- / 2.885	- / 3.306	- / 2.940	- / 3.318	- / 3.530	- / -	- / 27.542	
2.4) DSA (Ship - SCN to OPN Conversion)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.524	- / -	- / 0.524	
Subtotal: Support	- / 14.153	- / 6.293	- / 4.832	- / 6.775	- / -	- / 6.775	- / 6.092	- / 5.841	- / 6.895	- / 8.876	- / -	- / 59.757	
Installation													
Modification Item 1 of 1: 1U017 SSEE Increment F Ship	- / 14.700	- / 15.200	- / 18.103	- / 9.880	- / -	- / 9.880	- / 16.000	- / 14.238	- / 12.414	- / 16.832	- / -	- / 117.367	
Subtotal: Installation	- / 14.700	- / 15.200	- / 18.103	- / 9.880	- / -	- / 9.880	- / 16.000	- / 14.238	- / 12.414	- / 16.832	- / -	- / 117.367	
Total													
Total Cost (Procurement + Support + Installation)	156.999	74.595	55.775	79.935	-	79.935	77.812	68.139	83.677	101.451	-	698.383	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit										Modification Number / Title: 3 / 1U017 SSEE Increment F Ship											
Modification Item 1 of 1: 1U017 SSEE Increment F Ship																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ARGON - SSEE INC F FRP															Manufacturer Location: >Fairfax, VA																
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		Dec 2012				Dec 2013				Dec 2014																					
Delivery Dates		Dec 2013				Dec 2014				Dec 2015																					
Installation Information																															
Method of Implementation: Ship : Installation Name: Inc F Systems (Ship)																															
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 / 14.700		8 / 15.200		3 / 5.829		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 35.729					
FY 2013		- / -		- / -		6 / 12.274		1 / 1.976		- / -		1 / 1.976		- / -		- / -		- / -		- / -		- / -		- / -		7 / 14.250					
FY 2014		- / -		- / -		- / -		4 / 7.904		- / -		4 / 7.904		- / -		- / -		- / -		- / -		- / -		- / -		4 / 7.904					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		8 / 16.000		- / -		- / -		- / -		- / -		- / -		8 / 16.000					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 14.238		- / -		- / -		- / -		- / -		7 / 14.238					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 12.414		- / -		- / -		- / -		6 / 12.414					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 16.832		- / -		- / -		8 / 16.832					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / -		- / -		7 / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		7 / 14.700		8 / 15.200		9 / 18.103		5 / 9.880		- / -		5 / 9.880		8 / 16.000		7 / 14.238		6 / 12.414		8 / 16.832		7 / -		- / -		65 / 117.367					
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	-	2	4	2	1	1	3	4	2	1	1	1	3	1	3	1	2	3	1	1	-	3	3	-	3	3	2	7	65
Out	3	4	-	-	1	7	-	1	1	7	-	1	2	2	-	2	1	5	-	2	1	4	-	-	2	4	3	3	2	7	65
Method of Implementation: Ship : Installation Name: SSEE De-Scope transfer funding from SCN to OPN																															
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 3 / 1U017 SSEE Increment F Ship

Modification Item 1 of 1: 1U017 SSEE Increment F Ship

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Ship : Installation Name: SSEE De-Scope transfer funding from SCN to OPN

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	2 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	2 / -

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	2

Footnotes:

(2) - First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability. - FY14 unit cost increase is due to a reduced procurement buy that does not allow for the contractual economy of scale discount.

(3) - FY19 reflects decision to remove SSEE Inc F from the Ship Conversion, Navy (SCN) to OPN baseline on DDG 113-125; total of \$19.8M realigned in FY19. - Unit cost is higher than SSEE Inc F systems because this is the first variant of SCN to OPN Conversion.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 4 / 1U017 SSEE Inc F - Shore

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>)	34.992	-	-	3.465	-	3.465	0.500	-	-	-	-	38.957
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	34.992	-	-	3.465	-	3.465	0.500	-	-	-	-	38.957
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	34.992	-	-	3.465	-	3.465	0.500	-	-	-	-	38.957
(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:

The Ship Signal Exploitation Equipment (SSEE) Program will provide strike groups with Information Operation (IO) / non-kinetic capabilities and the subsequent ability to exploit Signals Of Interest (SOI) by providing a state-of-the-art system which detects, acquires, and collects data on any potential threat.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit					Modification Number / Title: 4 / 1U017 SSEE Inc F - Shore				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0304785N					
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: 1U017 SSEE Inc F - Shore													
B Kits													
Recurring													
1.1.1) SSEE Inc F - Shore - NonOrganic	3 / 20.710	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 20.710	
1.1.2) Training Equipment - Training Simulators - NonOrganic	4 / 9.400	- / -	- / -	1 / 3.300	- / -	1 / 3.300	- / -	- / -	- / -	- / -	- / -	5 / 12.700	
Subtotal: Recurring	- / 30.110	- / -	- / -	- / 3.300	- / -	- / 3.300	- / -	- / -	- / -	- / -	- / -	- / 33.410	
Subtotal: 1U017 SSEE Inc F - Shore	7 / 30.110	- / -	- / -	1 / 3.300	- / -	1 / 3.300	- / -	- / -	- / -	- / -	- / -	8 / 33.410	
Subtotal: Procurement, All Modification Items	- / 30.110	- / -	- / -	- / 3.300	- / -	- / 3.300	- / -	- / -	- / -	- / -	- / -	- / 33.410	
Support (All Modification Items)													
2.1) Production Support	- / 1.672	- / -	- / -	- / 0.165	- / -	- / 0.165	- / -	- / -	- / -	- / -	- / -	- / 1.837	
Subtotal: Support	- / 1.672	- / -	- / -	- / 0.165	- / -	- / 0.165	- / -	- / -	- / -	- / -	- / -	- / 1.837	
Installation													
Modification Item 1 of 1: 1U017 SSEE Inc F - Shore	- / 3.210	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / 3.710	
Subtotal: Installation	- / 3.210	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / -	- / -	- / -	- / 3.710	
Total													
Total Cost (Procurement + Support + Installation)	34.992	-	-	3.465	-	3.465	0.500	-	-	-	-	38.957	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5										P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit										Modification Number / Title: 4 / 1U017 SSEE Inc F - Shore											
Modification Item 1 of 1: 1U017 SSEE Inc F - Shore																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ARGON - Training Simulator														Manufacturer Location: >Fairfax, VA																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 6																	
Dates	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates									Nov 2014																						
Delivery Dates									May 2015																						
Installation Information																															
Method of Implementation: Method : Installation Name: SSEE INC F Shore																															
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 / 3.210	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 3.210																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	- / -	1 / 0.500																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		7 / 3.210	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	- / -	8 / 3.710																		
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	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	8

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 5 / 1U018/1U019 Paragon-Graywing			

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	2.376	19.094	12.077	-	12.077	46.163	73.520	73.265	79.422	-	305.917
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	2.376	19.094	12.077	-	12.077	46.163	73.520	73.265	79.422	-	305.917
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.376	19.094	12.077	-	12.077	46.163	73.520	73.265	79.422	-	305.917
(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:

Paragon is a classified Navy tactical signals intelligence frequency extension capability that will be integrated into Ship Signal Exploitation Equipment (SSEE) systems. This capability provides simultaneous detection, collection, processing, Information Operations and display of communication intelligence data from hostile, high threat and adversary platforms in select frequency ranges that are not prosecuted or countered today. Graywing is an advanced common data link system that will be integrated into SSEE Inc E and Inc F systems. It is a critical component of "Ballistic Missile Defense, Executive Committee, Anti-Submarine Warfare, Chief of Naval Operations, Executive Board Information Operation (IO) Countermeasure Red Flash" (details held at a higher classification level).

[Paragon]

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 5 / 1U018/1U019 Paragon-Graywing					
Models of Systems Affected: Various				Modification Type: Upgrade				Related RDT&E PEs: 0304785N					
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: 1U018/1U019 Paragon-Graywing													
B Kits													
Recurring													
1.1.1) Paragon - Organic ⁽⁴⁾	- / -	- / -	2 / 8.828	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.828	
1.1.2) Graywing - NonOrganic ⁽⁵⁾	- / -	- / -	2 / 8.828	1 / 7.250	- / -	1 / 7.250	7 / 40.621	10 / 56.780	9 / 51.975	10 / 58.850	- / -	39 / 224.304	
1.1.3) LRIP Retrofit Kit - NonOrganic	- / -	1 / 2.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.100	
Subtotal: Recurring	- / 0.000	- / 2.100	- / 17.656	- / 7.250	- / -	- / 7.250	- / 40.621	- / 56.780	- / 51.975	- / 58.850	- / -	- / 235.232	
Subtotal: 1U018/1U019 Paragon-Graywing	- / -	1 / 2.100	4 / 17.656	1 / 7.250	- / -	1 / 7.250	7 / 40.621	10 / 56.780	9 / 51.975	10 / 58.850	- / -	42 / 235.232	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.100	- / 17.656	- / 7.250	- / -	- / 7.250	- / 40.621	- / 56.780	- / 51.975	- / 58.850	- / -	- / 235.232	
Support (All Modification Items)													
2.1) Production Support	- / -	- / 0.076	- / 0.988	- / 0.427	- / -	- / 0.427	- / 2.300	- / 3.469	- / 3.237	- / 3.591	- / -	- / 14.088	
2.2) DSA	- / -	- / 0.200	- / 0.450	- / 0.545	- / -	- / 0.545	- / 1.727	- / 3.135	- / 3.333	- / 3.508	- / -	- / 12.898	
Subtotal: Support	- / 0.000	- / 0.276	- / 1.438	- / 0.972	- / -	- / 0.972	- / 4.027	- / 6.604	- / 6.570	- / 7.099	- / -	- / 26.986	
Installation													
Modification Item 1 of 1: 1U018/1U019 Paragon-Graywing	- / 0.000	- / -	- / -	- / 3.855	- / -	- / 3.855	- / 1.515	- / 10.136	- / 14.720	- / 13.473	- / -	- / 43.699	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 3.855	- / -	- / 3.855	- / 1.515	- / 10.136	- / 14.720	- / 13.473	- / -	- / 43.699	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.376	19.094	12.077	-	12.077	46.163	73.520	73.265	79.422	-	305.917	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5			P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit		Modification Number / Title: 5 / 1U018/1U019 Paragon-Graywing		
Modification Item 1 of 1: 1U018/1U019 Paragon-Graywing							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: ARGON- LRIP KIT - SHIP				Manufacturer Location: >Fairfax, VA			
Administrative Leadtime (<i>in Months</i>): 1				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2013						
Delivery Dates	Nov 2014						
Manufacturer Name: SSC PAC- LRIP KIT - SHIP				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Sep 2014						
Manufacturer Name: ARGON- LRIP LOT 2- SHIP				Manufacturer Location: >Fairfax, VA			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Apr 2014					
Delivery Dates		Jul 2015					
Manufacturer Name: SSC PAC- LRIP LOT 2 - SHIP				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014					
Delivery Dates		May 2015					
Manufacturer Name: Naval Research Lab - LRIP LOT 2 - SHIP				Manufacturer Location: >Washington DC			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014					
Delivery Dates		May 2015					
Manufacturer Name: ARGON - Graywing LRIP - SHIP				Manufacturer Location: >Fairfax, VA			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			Jan 2015				

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5											P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit											Modification Number / Title: 5 / 1U018/1U019 Paragon-Graywing										
Modification Item 1 of 1: 1U018/1U019 Paragon-Graywing																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Delivery Dates										Jan 2016																						
Manufacturer Name: Naval Research Lab - Graywing LRIP - SHIP													Manufacturer Location: >Washington DC																			
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 2015																						
Delivery Dates										Jan 2016																						
Installation Information																																
Method of Implementation: Ship : Installation Name: Graywing																																
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 / 3.030		- / -		2 / 3.030		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.030						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.515		- / -		- / -		- / -		- / -		- / -		1 / 1.515						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 10.136		- / -		- / -		- / -		- / -		7 / 10.136						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 14.720		- / -		- / -		- / -		10 / 14.720						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 13.473		- / -		- / -		9 / 13.473						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / -		- / -		10 / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		- / -		- / -		2 / 3.030		- / -		2 / 3.030		1 / 1.515		7 / 10.136		10 / 14.720		9 / 13.473		10 / -		- / -		39 / 42.874						
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	-	-	-	3	1	1	2	2	4	4	-	3	3	3	10	39	
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	1	-	-	-	3	1	3	2	4	4	-	3	3	3	10	39	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 5 / 1U018/1U019 Paragon-Graywing

Modification Item 1 of 1: 1U018/1U019 Paragon-Graywing

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Ship : Installation Name: LRIP Retrofit Kit

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 / 0.825	- / -	1 / 0.825	- / -	- / -	- / -	- / -	- / -	1 / 0.825
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	1 / 0.825	- / -	1 / 0.825	- / -	- / -	- / -	- / -	- / -	1 / 0.825

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

Method of Implementation (Organic): Not Installed - Paragon

Installation Quantity: 2

Footnotes:

⁽⁴⁾ -FY14 reflects Paragon and Graywing systems housed in separate hardware and installed concurrently. Beginning in FY15, Paragon capabilities are collapsed into Graywing hardware resulting in cost efficiencies. FY15 Graywing unit cost based on cost data and procurement quantity.

⁽⁵⁾ -First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore			

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	2.176	12.575	1.204	-	1.204	6.105	6.536	3.234	0.181	-	32.011
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	2.176	12.575	1.204	-	1.204	6.105	6.536	3.234	0.181	-	32.011
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.176	12.575	1.204	-	1.204	6.105	6.536	3.234	0.181	-	32.011
<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:

Paragon is a classified Navy tactical signals intelligence frequency extension capability that will be integrated into Ship Signal Exploitation Equipment (SSEE) systems. This capability provides simultaneous detection, collection, processing, Information Operations and display of communication intelligence data from hostile, high threat and adversary platforms in select frequency ranges that are not prosecuted or countered today. Graywing is an advanced common data link system that will be integrated into SSEE Inc E and Inc F systems. It is a critical component of "Ballistic Missile Defense, Executive Committee, Anti-Submarine Warfare, Chief of Naval Operations, Executive Board Information Operation (IO) Countermeasure Red Flash" (details held at a higher classification level). Shore based sites to be used for maintenance and operator training systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore					
Models of Systems Affected: Various				Modification Type: Upgrade				Related RDT&E PEs: 0304785N					
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: 1U018/19 Paragon-Graywing Shore													
B Kits													
Recurring													
1.1.1) LBTF Paragon Configuration System - Organic	- / -	- / -	2 / 5.954	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.954	
1.1.3) LBTF Graywing Configuration System - NonOrganic ⁽⁶⁾	- / -	- / -	2 / 5.954	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.954	
1.1.4) LRIP Retrofit Kit - NonOrganic	- / -	1 / 2.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.100	
1.1.5) Maintenance Training System - NonOrganic ⁽⁷⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.803	- / -	- / -	- / -	- / -	1 / 5.803	
1.1.6) Operator Training System - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.658	1 / 2.878	- / -	- / -	3 / 8.536	
Subtotal: Recurring	- / 0.000	- / 2.100	- / 11.908	- / -	- / -	- / -	- / 5.803	- / 5.658	- / 2.878	- / -	- / -	- / 28.347	
Subtotal: 1U018/19 Paragon-Graywing Shore	- / -	1 / 2.100	4 / 11.908	- / -	- / -	- / -	1 / 5.803	2 / 5.658	1 / 2.878	- / -	- / -	9 / 28.347	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.100	- / 11.908	- / -	- / -	- / -	- / 5.803	- / 5.658	- / 2.878	- / -	- / -	- / 28.347	
Support (All Modification Items)													
2.1) Production Support	- / -	- / 0.076	- / 0.667	- / -	- / -	- / -	- / 0.302	- / 0.378	- / -	- / -	- / -	- / 1.423	
2.2) DSA	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Subtotal: Support	- / 0.000	- / 0.076	- / 0.667	- / -	- / -	- / -	- / 0.302	- / 0.378	- / -	- / -	- / -	- / 1.423	
Installation													
Modification Item 1 of 1: 1U018/19 Paragon-Graywing Shore	- / 0.000	- / -	- / -	- / 1.204	- / -	- / 1.204	- / -	- / 0.500	- / 0.356	- / 0.181	- / -	- / 2.241	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 1.204	- / -	- / 1.204	- / -	- / 0.500	- / 0.356	- / 0.181	- / -	- / 2.241	
Total													
Total Cost (Procurement + Support + Installation)	0.000	2.176	12.575	1.204	-	1.204	6.105	6.536	3.234	0.181	-	32.011	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5			P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit		Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore		
Modification Item 1 of 1: 1U018/19 Paragon-Graywing Shore							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: ARGON-LRIP KIT - SHORE				Manufacturer Location: >Fairfax, VA			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Sep 2014						
Manufacturer Name: SSC PAC-LRIP KIT - SHORE				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Sep 2014						
Manufacturer Name: Naval Research Lab- LRIP KIT - SHORE				Manufacturer Location: >Washington DC			
Administrative Leadtime (<i>in Months</i>): 11				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Sep 2013						
Delivery Dates	Sep 2014						
Manufacturer Name: ARGON-LBTF Configuration - SHORE				Manufacturer Location: >Fairfax, VA			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Apr 2014					
Delivery Dates		Jul 2015					
Manufacturer Name: SSC PAC-LBTF Configuraton - SHORE				Manufacturer Location: >San Diego, CA			
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		Jan 2014					
Delivery Dates		Apr 2015					
Manufacturer Name: Naval Research Lab- LBTF Configuration - SHORE				Manufacturer Location: >Washington DC			
Administrative Leadtime (<i>in Months</i>): 6				Production Leadtime (<i>in Months</i>): 15			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Apr 2014					
Delivery Dates		Jul 2015					

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore

Modification Item 1 of 1: 1U018/19 Paragon-Graywing Shore

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Shore : Installation Name: LBTF Graywing Configuration 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	2 / 1.104	- / -	2 / 1.104	- / -	- / -	- / -	- / -	- / -	2 / 1.104
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 1.104	- / -	2 / 1.104	- / -	- / -	- / -	- / -	- / -	2 / 1.104

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

Method of Implementation: Shore : Installation Name: LRIP Retrofit Kit

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 / 0.100	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	1 / 0.100
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore

Modification Item 1 of 1: 1U018/19 Paragon-Graywing Shore

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Shore : Installation Name: LRIP Retrofit Kit

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)
Total	- / -	- / -	- / -	1 / 0.100	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	1 / 0.100

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

Method of Implementation: Shore : Installation Name: Maintenance Training 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	1 / 0.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.500	- / -	- / -	- / -	1 / 0.500

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 / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 6 / 1U018/19 Paragon-Graywing Shore

Modification Item 1 of 1: 1U018/19 Paragon-Graywing Shore

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Shore : Installation Name: Operator Training 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.356	- / -	- / -	2 / 0.356
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.181	- / -	1 / 0.181
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.356	1 / 0.181	- / -	3 / 0.537

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	1	-	3	

Method of Implementation (Organic): Not Installed - LBTF Paragon Configuration System

Installation Quantity: 2

Footnotes:

⁽⁶⁾ -The FY14 Land Base Test Facility systems do not consist of complete Topside configuration. -FY14 and prior Paragon and Graywing capabilities are housed in separate hardware and installed concurrently. Beginning in FY15, Paragon capabilities are collapsed into Graywing hardware resulting in cost efficiencies.

⁽⁷⁾ Shore based sites to be used for maintenance and operator training systems.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 7 / 1U014 Engineering Change Proposal (ECP) Increment F

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>)	8.224	-	-	12.726	-	12.726	6.359	4.917	2.935	4.374	-	39.535
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.224	-	-	12.726	-	12.726	6.359	4.917	2.935	4.374	-	39.535
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.224	-	-	12.726	-	12.726	6.359	4.917	2.935	4.374	-	39.535
<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:

Engineering Change Proposal (ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and end-of-life (EOL) equipment for the Ship's Signal Exploitation Equipment (SSEE) Increment F program. ECP incorporates Pre-Planned Product Improvements (P3I) for the acquisition and localization of the latest Signals of Interest (SOI) and Information Operations (IO). ECP maintains and improves upon SSEE INC F's capability and relevance within a rapidly evolving threat environment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 7 / 1U014 Engineering Change Proposal (ECP) Increment F				
Models of Systems Affected: SSEE Inc F				Modification Type: Upgrade				Related RDT&E PEs: 0304785N				
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> 1U014 Engineering Change Proposal (ECP) Increment F												
B Kits												
Recurring												
1.1.1) Processing Upgrades (ECPs) - NonOrganic	- / -	- / -	- / -	6 / 2.760	- / -	6 / 2.760	3 / 1.395	4 / 1.896	2 / 0.960	3 / 1.464	- / -	18 / 8.475
1.1.2) CUB Replacement (Cryptologic Unified Build) - Organic	1 / 5.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 5.520
1.1.3) DRT - Organic ⁽⁸⁾	- / -	- / -	- / -	3 / 1.500	- / -	3 / 1.500	3 / 1.524	4 / 2.064	2 / 1.054	4 / 2.140	- / -	16 / 8.282
1.1.4) LRIP to FRP BackFit Kit - NonOrganic ⁽⁹⁾	1 / 2.123	- / -	- / -	3 / 6.879	- / -	3 / 6.879	- / -	- / -	- / -	- / -	- / -	4 / 9.002
<i>Subtotal: Recurring</i>	- / 7.643	- / -	- / -	- / 11.139	- / -	- / 11.139	- / 2.919	- / 3.960	- / 2.014	- / 3.604	- / -	- / 31.279
<i>Subtotal: 1U014 Engineering Change Proposal (ECP) Increment F</i>	2 / 7.643	- / -	- / -	12 / 11.139	- / -	12 / 11.139	6 / 2.919	8 / 3.960	4 / 2.014	7 / 3.604	- / -	39 / 31.279
<i>Subtotal: Procurement, All Modification Items</i>	- / 7.643	- / -	- / -	- / 11.139	- / -	- / 11.139	- / 2.919	- / 3.960	- / 2.014	- / 3.604	- / -	- / 31.279
Support (All Modification Items)												
2.1) Production Support	- / 0.481	- / -	- / -	- / 0.708	- / -	- / 0.708	- / 0.161	- / 0.253	- / 0.121	- / 0.256	- / -	- / 1.980
2.2) DSA	- / 0.100	- / -	- / -	- / 0.879	- / -	- / 0.879	- / 0.456	- / 0.275	- / 0.220	- / 0.218	- / -	- / 2.148
<i>Subtotal: Support</i>	- / 0.581	- / -	- / -	- / 1.587	- / -	- / 1.587	- / 0.617	- / 0.528	- / 0.341	- / 0.474	- / -	- / 4.128
Installation												
<i>Modification Item 1 of 1:</i> 1U014 Engineering Change Proposal (ECP) Increment F	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.823	- / 0.429	- / 0.580	- / 0.296	- / -	- / 4.128
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.823	- / 0.429	- / 0.580	- / 0.296	- / -	- / 4.128
Total												
Total Cost (Procurement + Support + Installation)	8.224	-	-	12.726	-	12.726	6.359	4.917	2.935	4.374	-	39.535

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit				Modification Number / Title: 7 / 1U014 Engineering Change Proposal (ECP) Increment F				
Modification Item 1 of 1: 1U014 Engineering Change Proposal (ECP) Increment F												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: ARGON-LRIP to FRP Backfit							Manufacturer Location: >Fairfax, VA					
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			Dec 2014									
Delivery Dates			Dec 2015									
Manufacturer Name: ARGON-ECP Inc F-Processing Upgrades							Manufacturer Location: >Fairfax, VA					
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									
Manufacturer Name: ARGON - ECP INC F DRTs							Manufacturer Location: >fairfax, VA					
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: Ship : Installation Name: Processing Upgrades (ECPs)												
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 / 0.840	- / -	- / -	- / -	- / -	6 / 0.840
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.429	- / -	- / -	- / -	3 / 0.429
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.580	- / -	- / -	4 / 0.580
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.296	- / -	2 / 0.296
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / -	3 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.840	3 / 0.429	4 / 0.580	2 / 0.296	3 / -	18 / 2.145

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 7 / 1U014 Engineering Change Proposal (ECP) Increment F

Modification Item 1 of 1: 1U014 Engineering Change Proposal (ECP) Increment F

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Ship : Installation Name: Processing Upgrades (ECPs)

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	1	-	2	1	-	-	2	2	-	1	1	-	3	18
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	-	-	3	-	-	2	2	-	1	1	-	3	18

Method of Implementation: Ship : Installation Name: LRIP to FRP BackFit Kit

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 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.000
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.983	- / -	- / -	- / -	- / -	3 / 1.983
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	1 / -	- / -	- / -	- / -	- / -	3 / 1.983	- / -	- / -	- / -	- / -	4 / 1.983

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

Method of Implementation (Organic): Not Installed - CUB Replacement (Cryptologic Unified Build) **Installation Quantity:** 1

Method of Implementation (Organic): Not Installed - DRT **Installation Quantity:** 16

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 7 / 1U014 Engineering Change Proposal (ECP) Increment F

Footnotes:

⁽⁸⁾ -DRT; Replacement of obsolete HITS/DRT Boxes to Next Generation HITS/DRT in support of SSEE Inc F. DRTs to be installed in conjunction with ECP Processing Upgrades as Kits.

⁽⁹⁾ Upgrades to LRIP units to FRP baseline

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 8 / 1U014 Engineering Change Proposal (ECP) Increment F Shore

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>)	1.050	0.575	-	-	-	-	-	-	-	-	-	1.625
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1.050	0.575	-	-	-	-	-	-	-	-	-	1.625
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.050	0.575	-	-	-	-	-	-	-	-	-	1.625
(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:

Engineering Change Proposal (ECP)/Obsolescence procures Commercial Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and end-of-life (EOL) equipment for the Ship's Signal Exploitation Equipment (SSEE) Increment F program. ECP incorporates Pre-Planned Product Improvements (P3I) for the acquisition and localization of the latest Signals of Interest (SOI) and Information Operations (IO). ECP maintains and improves upon SSEE INC F's capability and relevance within a rapidly evolving threat environment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5				P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit						Modification Number / Title: 8 / 1U014 Engineering Change Proposal (ECP) Increment F Shore					
Models of Systems Affected: SSEE INC F Trainer				Modification Type: Upgrade					Related RDT&E PEs: 0304785N						
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: 1U014 Engineering Change Proposal (ECP) Increment F Shore															
B Kits															
Recurring															
1.1.1) Training Simulator (ECP) - NonOrganic		3 / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.050			
Subtotal: Recurring		- / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050			
Subtotal: 1U014 Engineering Change Proposal (ECP) Increment F Shore		3 / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.050			
Subtotal: Procurement, All Modification Items		- / 1.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.050			
Installation															
Modification Item 1 of 1: 1U014 Engineering Change Proposal (ECP) Increment F Shore		- / 0.000	- / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.575			
Subtotal: Installation		- / 0.000	- / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.575			
Total															
Total Cost (Procurement + Support + Installation)		1.050	0.575	-	-	-	-	-	-	-	-	1.625			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 5	P-1 Line Item Number / Title: 2360 / Shipboard IW Exploit	Modification Number / Title: 8 / 1U014 Engineering Change Proposal (ECP) Increment F Shore

Modification Item 1 of 1: 1U014 Engineering Change Proposal (ECP) Increment F Shore

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: [none specified] : Installation Name: Training Simulator (ECP)

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 / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.575
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	3 / 0.575	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.575

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

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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 02: Communications & Electronics Equip / BSA 5: Reconnaissance Equipment							P-1 Line Item Number / Title: 2361 / Automatic Identification System (AIS)													
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>)	2.605	0.841	0.896	0.164	-	0.164	0.153	0.155	0.158	0.165	Continuing	Continuing								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	2.605	0.841	0.896	0.164	-	0.164	0.153	0.155	0.158	0.165	Continuing	Continuing								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	2.605	0.841	0.896	0.164	-	0.164	0.153	0.155	0.158	0.165	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
# The FY 2015 OCO Request will be submitted at a later date.																				
Description: 1U030: Automatic Identification System (AIS) is an international maritime Very High Frequency (VHF) communication system that allows ships to exchange information (machine to machine) on navigation (position, course, speed, etc), ship information (ship name, call sign, length/beam), cargo information (draft, type, destination, route, estimated time of arrival), and messaging (safety, text). This technology improves capability in three diverse areas: (a) situational awareness/common operational picture, (b) navigation/safety of ship and, (c) other intelligence gathering/correlation. AIS will procure Commercial Off-The-Shelf (COTS) AIS gear and install them on Navy warships. This provides the fleet with an operating capability to send unclassified data to the Maritime Operations Center (MOC). AIS provides an integrated AIS capability on force level United States (US) surface warships and submarines, including interfaces with ship's Global Command and Control System-Maritime/Common Operational Picture, and combat systems as defined by fleet requirements and concept of operations. The program provides Maritime Domain Awareness (MDA) AIS Sensor Server equipment to the MOC for publishing AIS data to the MDA Data Sharing Community of Interest. Funds will procure and install AIS systems for ships, submarines and shore sites consisting of a combination of modified COTS and government/commercial software, such as omni-directional VHF, Global Positioning System antennas, AIS transponders, displays and associated cables, servers, power supplies, laptop computers, junction boxes, switches and radio frequency couplers.																				
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)
1U030 Automatic Identification System (AIS)	P-40a		-	-	2.605	-	-	0.841	-	-	0.896	-	-	0.164	-	-	-	-	-	0.164
Total Gross/Weapon System Cost			-	-	2.605	-	-	0.841	-	-	0.896	-	-	0.164	-	-	-	-	-	0.164
*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-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 02: Communications & Electronics Equip / BSA 5: Reconnaissance Equipment		P-1 Line Item Number / Title: 2361 / Automatic Identification System (AIS)
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Justification: Beginning FY15 AIS will support the procurement of (1) AIS submarine configuration system. Installation of the FY15 procured system will occur in FY16.		

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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 / 02 / 5						P-1 Line Item Number / Title: 2361 / Automatic Identification System (AIS)									Aggregated Items Title: 1U030 Automatic Identification System (AIS)					
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) 1U030 Automatic Identification Systems (AIS)																				
1.1) AIS procurement	A		61.000	8	0.488	64.000	3	0.192	65.000	3	0.195	89.000	1	0.089	-	-	-	89.000	1	0.089
1.2) Production Support	A		-	-	0.469	-	-	0.049	-	-	0.101	-	-	0.075	-	-	-	-	-	0.075
1.3) FMP	A		-	-	1.648	-	-	0.600	-	-	0.600	-	-	-	-	-	-	-	-	-
Subtotal: 1) 1U030 Automatic Identification Systems (AIS)			-	-	2.605	-	-	0.841	-	-	0.896	-	-	0.164	-	-	-	-	-	0.164
Total			-	-	2.605	-	-	0.841	-	-	0.896	-	-	0.164	-	-	-	-	-	0.164

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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 02: Communications & Electronics Equip / BSA 6: Submarine Surveillance Equipment						P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0604503N, 0603562N				
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)	818.269	31.191	44.429	45.362	-	45.362	56.956	64.790	64.823	98.198	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	818.269	31.191	44.429	45.362	-	45.362	56.956	64.790	64.823	98.198	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	818.269	31.191	44.429	45.362	-	45.362	56.956	64.790	64.823	98.198	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	1.341	1.793	1.515	-	1.515	1.981	0.667	1.203	1.293	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: (U) The Submarine Support Equipment Program (SSEP) was established to develop and support systems which provide the capability to exploit signal intercepts for tactical support and early warning of threat sensors. The Electronic Warfare Support (ES) Operational Requirements Document (ORD) Serial. No. 570-77-00 dated 20 Dec. 2000, established funding to procure AN/BLQ-10 Electronic Warfare Support and Improved Communication Acquisition/Direction Finding (ICADF) systems to provide a modern ES capability to LOS ANGELES, SEAWOLF, and SSGN Class submarines. Funds procure AN/BLQ-10B(V) Non-Recurring Engineering (NRE), Pre-Production Units (PPU) and augmentation systems for ES Modernization upgrades for all submarine platforms. Funds also procure modification kits for the AN/BLQ-10(V) ES System, VIRGINIA Class ES Modernization upgrades, Reliability & Maintainability, obsolescence and Operational Field Change Kits for the legacy AN/WLR-8(V)2 ESM system, and the legacy AN/BRD-7 direction finding system. Funds buy unique equipment in limited quantities that are maintained in a pool and rotated among attack submarines as dictated by scheduled operations and to provide specific capability improvements to major SSN sensor systems. ML003 - SSEP special support equipment allows the procurement of special purpose test equipment utilized by the Type Commander Groom Teams. Exact quantities vary from year to year based on Fleet requirements. ML005 - Procures Legacy Submarine Electronic Surveillance Measures (SubESM) AN/BRD-7 Reliability and Maintainability (R&M) obsolescence and operational Field Change Kits, e.g., Analog relay replacement, antenna cabling replacement, related Hull, Mechanical & Electrical (H,M&E) sail components and associated Integrated Logistics Support (ILS), and technical data. ML007 - Procures the ICADF communications direction finding system below deck units for installation on LOS ANGELES and SEAWOLF Class submarines. ML008 - Procures the ICADF Multi-Function Modular Mast (MMM) Antenna for installation on LOS ANGELES Class submarines. ML009 - Procures Capability Insertions for installation on LOS ANGELES, SSGN, and SEAWOLF Class submarines that provide incremental improvements to the AN/BLQ-10(V) baseline system for improved capability against new threats, to reduce size, procurement costs, power requirements and maintenance, while increasing system availability. Includes: Embedded National Tactical Receiver (ENTR)/Generic Area Limitation Environment (GALE) upgrade, Info Assurance (IA)/Solaris upgrade, Exterior Communication System (ECS) Point to Point upgrade, Low Probability of Intercept (LPI) Radar Receiver, and associated Integrated Logistics Support (ILS), and technical data.												

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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 02: Communications & Electronics Equip / BSA 6: Submarine Surveillance Equipment		P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604503N, 0603562N
ML010 - Procures Technical Insertions (TI) for installation on LOS ANGELES, SSGN, SEAWOLF, and VIRGINIA Class submarines that provide updates to the AN/BLQ-10(V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software to account for obsolescence avoidance, and Reliability, Maintainability and Availability (RMA) and associated Integrated Logistics Support (ILS) and technical data. Hardware builds include supporting platform level Submarine Warfare Federated Tactical Systems (SWFTS) interfaces. TI upgrade kits are procured under various configurations in each fiscal year including required NRE for TI-12, TI-14, TI-16, and TI-18. ML011 -Procures Legacy Submarine Electronic Surveillance Measures (SubESM) including AN/WLR-8 Reliability and Maintainability (R&M) Field Change Kits and other materials for Obsolescence Mitigation, e.g., Digital Display Unit (DDU) obsolescence upgrade, Solid State Memory, Heat Dissipation improvement, related H,M&E sail components and associated Integrated Logistics Support (ILS), and technical data. ML013 - Provides for AN/BLQ-10 intermediate level repairs, changes and maintenance activities that improve the overall Reliability, Maintainability and Availability of fielded SubESM systems. Procures maintenance and sustainment efforts for AN/BLQ-10 active, deploying fleet assets. ML015 - Procures the AN/BLQ-10(V)2/3/4 ES System for installation on LOS ANGELES, SEAWOLF, and SSGN Class submarines. ML017 - Procures AN/BLQ-10(V) and ICADF subsystem Product Improvement Field Change Kits including: emergent Engineering Changes, SIGINT carry-on equipment racks, SWFTS upgrades and associated Integrated Logistics Support (ILS) and technical data. ML018 - Funds procure ES Modernization upgrades to the VIRGINIA Class AN/BLQ-10(V)1 ES System including Photonics ES Product Improvement (PEPI-3), PATRIOT Phase B range finder, Technical Insertions (TI), and Radar Narrow Band (RNB) receiver. ML019 - ESM Spares are procured beginning in FY11 to provide Ready for Issue (RFI) shore based spares to maintain system operational availability. ML020 - Starting in FY15 funds procure AN/BLQ-10B(V) Non-Reoccurring Engineering (NRE), Pre-Production Units (PPU) and augmentation systems for ES Modernization upgrades for all submarine platforms. OPNAV direction provided for Next Generation EW Digital Submarine Electronic Warfare System Serial N97/12U144403 dated 17 June 12. The AN/BLQ-10B(V) efforts will transform the current AN/BLQ-10(V) system to a digital hardware system that will enable a sustainable, cost effective, software application based modernization process allowing for the rapid fielding of required capabilities to address changing and emerging threats in the evolving Radio Frequency (RF) spectrum. AN/BLQ-10B(V) is a five layered approach including: RF, Digitizing, Interface, Processing, and Display. These will be the building blocks/ updates to the AN/BLQ-10(V) configuration baselines which incorporates a Modular, Open system, Scalable Architecture (MOSA). ML021 - Funds provide in-service and systems engineering, logistics, material, configuration management, quality assurance, installation and test certification support only for the Submarine Surface Navigation (AN/BPS-15/16) Radar. Also provides for interface with the conjoined Voyage Management System (VMS) and Electronic Chart & Display Information System - Navy (ECDIS-N). ML830 - 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 production ES Systems and upgrades. ML927 - Provides for the Installation of Equipment including Fleet Modernization Program Installations for shipboard systems. ML4M7 - Provides for the Installation of non-Fleet Modernization Program 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 02: Communications & Electronics Equip / BSA 6: Submarine Surveillance Equipment										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0604503N, 0603562N									
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 Supt Equip Prog	P-40a		-	-	25.412	-	-	3.730	-	-	5.988	-	-	6.202	-	-	-	-	-	6.202	
P-3a - 1 / ML007 ICADF	P-3a		-	-	139.771	-	-	-	-	-	1.181	-	-	2.711	-	-	-	-	-	2.711	
P-3a - 2 / ML008 ICADF MMM ANTENNA	P-3a		-	-	77.164	-	-	7.099	-	-	11.977	-	-	-	-	-	-	-	-	-	
P-3a - 3 / ML009 CAPABILITY INSERTION	P-3a		-	-	16.530	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 4 / ML010 TECHNICAL INSERTION	P-3a		-	-	26.943	-	-	2.566	-	-	7.881	-	-	10.409	-	-	-	-	-	10.409	
P-3a - 5 / ML015 AN/ BLQ-10(V) SSN ES SYSTEM	P-3a		-	-	457.669	-	-	4.060	-	-	1.252	-	-	1.414	-	-	-	-	-	1.414	
P-3a - 6 / ML017 ANBLQ-10(V) FIELD CHANGE KITS	P-3a		-	-	11.540	-	-	3.911	-	-	4.519	-	-	4.699	-	-	-	-	-	4.699	
P-3a - 7 / ML018 VA CLASS ES MODERNIZATION MMM	P-3a		-	-	12.154	-	-	2.840	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI	P-3a		-	-	3.954	-	-	0.783	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 9 / ML018 VA CLASS ES MODERNIZATION PEPI-3	P-3a		-	-	17.406	-	-	2.237	-	-	8.389	-	-	-	-	-	-	-	-	-	
P-3a - 10 / ML018 VA CLASS ES MODERNIZATION PATRIOT	P-3a		-	-	9.272	-	-	1.922	-	-	3.122	-	-	2.467	-	-	-	-	-	2.467	
P-3a - 11 / ML018 VA CLASS ES MODERNIZATION SEI/CMF	P-3a		-	-	3.523	-	-	0.767	-	-	0.060	-	-	-	-	-	-	-	-	-	
P-3a - 12 / ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION	P-3a		-	-	5.625	-	-	0.649	-	-	0.060	-	-	-	-	-	-	-	-	-	
P-3a - 13 / ML018 VA CLASS ES MODERNIZATION RNB	P-3a		-	-	11.306	-	-	0.627	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 14 / ML020 AN/ BLQ-10B (V)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	17.460	-	-	-	-	-	17.460	
Total Gross/Weapon System Cost			-	-	818.269	-	-	31.191	-	-	44.429	-	-	45.362	-	-	-	-	-	45.362	
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 Supt Equip Prog	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 02: Communications & Electronics Equip / BSA 6: Submarine Surveillance Equipment									P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0604503N, 0603562N								
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 / ML007 ICADF	P-3a		-	-	1.384	-	-	3.030	-	-	1.501	-	-	-	-	-	-	-	-	149.578
P-3a - 2 / ML008 ICADF MMM ANTENNA	P-3a		-	-	11.698	-	-	-	-	-	1.186	-	-	-	-	-	-	-	-	109.124
P-3a - 3 / ML009 CAPABILITY INSERTION	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16.530
P-3a - 4 / ML010 TECHNICAL INSERTION	P-3a		-	-	24.731	-	-	22.291	-	-	31.633	-	-	29.955	Continuing			Continuing		
P-3a - 5 / ML015 AN/ BLQ-10(V) SSN ES SYSTEM	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	464.395
P-3a - 6 / ML017 ANBLQ-10(V) FIELD CHANGE KITS	P-3a		-	-	5.045	-	-	5.128	-	-	5.238	-	-	5.387	Continuing			Continuing		
P-3a - 7 / ML018 VA CLASS ES MODERNIZATION MMM	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14.994
P-3a - 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.737
P-3a - 9 / ML018 VA CLASS ES MODERNIZATION PEPI-3	P-3a		-	-	0.409	-	-	-	-	-	-	-	-	-	-	-	-	-	-	28.441
P-3a - 10 / ML018 VA CLASS ES MODERNIZATION PATRIOT	P-3a		-	-	3.860	-	-	2.741	-	-	2.972	-	-	0.361	-	-	0.367	-	-	27.084
P-3a - 11 / ML018 VA CLASS ES MODERNIZATION SEI/CMF	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.350
P-3a - 12 / ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.334
P-3a - 13 / ML018 VA CLASS ES MODERNIZATION RNB	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.933
P-3a - 14 / ML020 AN/ BLQ-10B (V)	P-3a		-	-	2.587	-	-	25.144	-	-	15.828	-	-	55.900	-	-	8.833	-	-	125.752
Total Gross/Weapon System Cost			-	-	56.956	-	-	64.790	-	-	64.823	-	-	98.198	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 / 02 / 6									P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Aggregated Items Title: Submarine Supt Equip Prog					
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) ML003 SSEP SPECIAL SUPPORT EQUIPMENT																				
1.1) SPECIAL SUPPORT EQUIPMENT	A		-	-	2.240	-	-	0.154	-	-	0.312	-	-	0.318	-	-	-	-	-	0.318
Subtotal: 1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT			-	-	2.240	-	-	0.154	-	-	0.312	-	-	0.318	-	-	-	-	-	0.318
2) ML005 AN/BRD-7 FCKS																				
2.1) AN/BRD-7 FIELD CHANGE KITS	A		-	-	2.124	-	-	0.236	-	-	0.240	-	-	0.244	-	-	-	-	-	0.244
Subtotal: 2) ML005 AN/BRD-7 FCKS			-	-	2.124	-	-	0.236	-	-	0.240	-	-	0.244	-	-	-	-	-	0.244
3) ML011 AN/WLR-8 R&M FIELD CHANGE KITS																				
3.1) AN/WLR-8 R&M FCKS	A		-	-	4.625	-	-	0.500	-	-	0.509	-	-	0.377	-	-	-	-	-	0.377
Subtotal: 3) ML011 AN/WLR-8 R&M FIELD CHANGE KITS			-	-	4.625	-	-	0.500	-	-	0.509	-	-	0.377	-	-	-	-	-	0.377
4) ML013 ESM IMA SUPPORT																				
4.1) ESM IMA SUPPORT	A		-	-	2.248	-	-	0.801	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) ML013 ESM IMA SUPPORT			-	-	2.248	-	-	0.801	-	-	-	-	-	-	-	-	-	-	-	-
5) ML019 ESM SPARES																				
5.1) ESM SPARES	A		818,666.67	3	2.456	-	-	-	877,500.00	2	1.755	894,000.00	1	0.894	-	-	-	894,000.00	1	0.894
Subtotal: 5) ML019 ESM SPARES			-	-	2.456	-	-	-	-	-	1.755	-	-	0.894	-	-	-	-	-	0.894
6) ML021 BPS RADAR																				
6.1) AN/BPS-15/16	A		-	-	-	-	-	-	-	-	-	-	-	1.137	-	-	-	-	-	1.137
Subtotal: 6) ML021 BPS RADAR			-	-	0.000	-	-	-	-	-	-	-	-	1.137	-	-	-	-	-	1.137
7) ML830 PRODUCTION ENGINEERING																				
7.1) PRODUCTION ENGINEERING ⁽¹⁾	A		-	-	11.719	-	-	2.039	-	-	3.172	-	-	3.232	-	-	-	-	-	3.232
Subtotal: 7) ML830 PRODUCTION ENGINEERING			-	-	11.719	-	-	2.039	-	-	3.172	-	-	3.232	-	-	-	-	-	3.232
Total			-	-	25.412	-	-	3.730	-	-	5.988	-	-	6.202	-	-	-	-	-	6.202

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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 / 02 / 6							P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog							Aggregated Items Title: Submarine Supt Equip Prog						
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) ML003 SSEP SPECIAL SUPPORT EQUIPMENT																				
1.1) SPECIAL SUPPORT EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) ML003 SSEP SPECIAL SUPPORT EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) ML005 AN/BRD-7 FCKS																				
2.1) AN/BRD-7 FIELD CHANGE KITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) ML005 AN/BRD-7 FCKS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) ML011 AN/WLR-8 R&M FIELD CHANGE KITS																				
3.1) AN/WLR-8 R&M FCKS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) ML011 AN/WLR-8 R&M FIELD CHANGE KITS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) ML013 ESM IMA SUPPORT																				
4.1) ESM IMA SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) ML013 ESM IMA SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) ML019 ESM SPARES																				
5.1) ESM SPARES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) ML019 ESM SPARES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) ML021 BPS RADAR																				
6.1) AN/BPS-15/16	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) ML021 BPS RADAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) ML830 PRODUCTION ENGINEERING																				
7.1) PRODUCTION ENGINEERING ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) ML830 PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
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 / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Aggregated Items Title: Submarine Supt Equip Prog

(1) FY13 reduction is due to sequestration

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 1 / ML007 ICADF

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>)	139.771	-	1.181	2.711	-	2.711	1.384	3.030	1.501	-	-	149.578
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	139.771	-	1.181	2.711	-	2.711	1.384	3.030	1.501	-	-	149.578
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	139.771	-	1.181	2.711	-	2.711	1.384	3.030	1.501	-	-	149.578
<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 advanced low-band COMINT Direction Finding (DF) capability compatible with CLASSIC TROLL and AN/BLQ-10 SSN ES system. Replaces obsolete AN/BRD-7 below decks equipment with modern, open architecture system compliant with Maritime Cryptologic Architecture.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Modification Number / Title: 1 / ML007 ICADF			
Models of Systems Affected: ICADF				Modification Type: SHIPALT (ES SYSTEM COMMS DF)				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: ML007 ICADF													
B Kits													
Recurring													
1.1.1) ICADF - NonOrganic	27 / 91.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 91.249	
1.1.2) NIOC TRANSFER EQUIPMENT - NonOrganic ⁽²⁾	10 / 0.000	- / -	1 / -	2 / -	- / -	2 / -	1 / -	2 / -	1 / -	- / -	- / -	17 / -	
Subtotal: Recurring	- / 91.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 91.249	
Subtotal: ML007 ICADF	37 / 91.249	- / -	1 / -	2 / -	- / -	2 / -	1 / -	2 / -	1 / -	- / -	- / -	44 / 91.249	
Subtotal: Procurement, All Modification Items	- / 91.249	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 91.249	
Installation													
Modification Item 1 of 1: ML007 ICADF	- / 48.522	- / -	- / 1.181	- / 2.711	- / -	- / 2.711	- / 1.384	- / 3.030	- / 1.501	- / -	- / -	- / 58.329	
Subtotal: Installation	- / 48.522	- / -	- / 1.181	- / 2.711	- / -	- / 2.711	- / 1.384	- / 3.030	- / 1.501	- / -	- / -	- / 58.329	
Total													
Total Cost (Procurement + Support + Installation)	139.771	-	1.181	2.711	-	2.711	1.384	3.030	1.501	-	-	149.578	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 1 / ML007 ICADF

Modification Item 1 of 1: ML007 ICADF

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: >Syracuse, NY
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							
Delivery Dates							

Installation Information

Method of Implementation: AIT (ES SYSTEM COMMS DF) : Installation Name: ICADF

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	27 / 35.644	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 35.644
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	27 / 35.644	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 35.644

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27

Method of Implementation: [none specified] : Installation Name: NIOC TRANSFER 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	10 / 12.878	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 12.878

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 1 / ML007 ICADF

Modification Item 1 of 1: ML007 ICADF

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: NIOC TRANSFER 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	- / -	- / -	1 / 1.181	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.181
FY 2015	- / -	- / -	- / -	2 / 2.711	- / -	2 / 2.711	- / -	- / -	- / -	- / -	- / -	2 / 2.711
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.384	- / -	- / -	- / -	- / -	1 / 1.384
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.030	- / -	- / -	- / -	2 / 3.030
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.501	- / -	- / -	1 / 1.501
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 12.878	- / -	1 / 1.181	2 / 2.711	- / -	2 / 2.711	1 / 1.384	2 / 3.030	1 / 1.501	- / -	- / -	17 / 22.685

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	-	-	-	-	-	-	1	-	1	-	1	-	1	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	17
Out	10	-	-	-	-	-	-	1	-	1	-	1	-	1	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	17

Footnotes:

⁽²⁾ Transfer Units are refurbished after receipt from NIOC prior to installation, no procurement cost associated.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 2 / ML008 ICADF MMM ANTENNA

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>	77.164	7.099	11.977	-	-	-	11.698	-	1.186	-	-	109.124
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	77.164	7.099	11.977	-	-	-	11.698	-	1.186	-	-	109.124
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	77.164	7.099	11.977	-	-	-	11.698	-	1.186	-	-	109.124
(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:

Synchronizes improved low-band direction finding SIGINT sensor with coordinated N77/CNSG CLASSIC TROLL procurement. Replaces obsolete AN/BRD-7 antenna equipment with modern, open-architecture system compliant with Maritime Cryptologic Architecture.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 2 / ML008 ICADF MMM ANTENNA					
Models of Systems Affected: MULTI FUNCTION MODULAR 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: ML008 ICADF MMM ANTENNA													
B Kits													
Recurring													
1.1.1) MULTI FUNCTION MODULAR MAST - NonOrganic ⁽³⁾		17 / 67.500	- / -	2 / 7.600	- / -	- / -	- / -	1 / 3.902	- / -	- / -	- / -	- / -	20 / 79.002
1.1.2) MMM CCM - Organic		- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.902	- / -	- / -	- / -	- / -	1 / 3.902
Subtotal: Recurring		- / 67.500	- / -	- / 7.600	- / -	- / -	- / -	- / 7.804	- / -	- / -	- / -	- / -	- / 82.904
Subtotal: ML008 ICADF MMM ANTENNA		17 / 67.500	- / -	2 / 7.600	- / -	- / -	- / -	2 / 7.804	- / -	- / -	- / -	- / -	21 / 82.904
Subtotal: Procurement, All Modification Items		- / 67.500	- / -	- / 7.600	- / -	- / -	- / -	- / 7.804	- / -	- / -	- / -	- / -	- / 82.904
Installation													
Modification Item 1 of 1: ML008 ICADF MMM ANTENNA		- / 9.664	- / 7.099	- / 4.377	- / -	- / -	- / -	- / 3.894	- / -	- / 1.186	- / -	- / -	- / 26.220
Subtotal: Installation		- / 9.664	- / 7.099	- / 4.377	- / -	- / -	- / -	- / 3.894	- / -	- / 1.186	- / -	- / -	- / 26.220
Total													
Total Cost (Procurement + Support + Installation)		77.164	7.099	11.977	-	-	-	11.698	-	1.186	-	-	109.124

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 2 / ML008 ICADF MMM ANTENNA																			
Modification Item 1 of 1: ML008 ICADF MMM ANTENNA																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																								
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						Mar 2014								Mar 2016																									
Delivery Dates						Nov 2015								Nov 2017																									
Installation Information																																							
Method of Implementation: AIT : Installation Name: MULTI FUNCTION MODULAR MAST																																							
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 / 9.664		5 / 7.099		4 / 4.377		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		17 / 21.140													
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.894		- / -		- / -		- / -		- / -		- / -		2 / 3.894													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.186		- / -		- / -		- / -		1 / 1.186													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		8 / 9.664		5 / 7.099		4 / 4.377		- / -		- / -		- / -		2 / 3.894		- / -		1 / 1.186		- / -		- / -		- / -		20 / 26.220													
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	-	2	2	1	3	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	20								
Out	8	-	2	2	1	3	1	-	-	-	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	20								
Method of Implementation (Organic): Not Installed - MMM CCM																														Installation Quantity: 1									
Footnotes: (3) Higher FY16 Installation costs include installation of MMM Antenna Closure Doors. For other units closure door modification performed separately - SHIPALT modified to include closure door if not already performed.																																							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 3 / ML009 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>	16.530	-	-	-	-	-	-	-	-	-	-	16.530
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	16.530	-	-	-	-	-	-	-	-	-	-	16.530
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	16.530	-	-	-	-	-	-	-	-	-	-	16.530
<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 Capability Insertion CI-06 for installation on LOS ANGELES, SSGN and SEAWOLF Class submarines. Provides incremental improvements to the AN/BLQ-10(V) baseline system for improved capability against new threats, to reduce size, procurement costs, power requirements and maintenance, while increasing system availability. Includes Embedded National Tactical Receiver (ENTR)/GALE, and Low Probability of Intercept (LPI) capabilities.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 3 / ML009 CAPABILITY INSERTION					
Models of Systems Affected: CI-06				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: ML009 CAPABILITY INSERTION													
B Kits													
Non-Recurring													
1.1.1) CI-06 - NonOrganic	8 / 5.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 5.716	
Subtotal: Non-Recurring	- / 5.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.716	
Subtotal: ML009 CAPABILITY INSERTION	8 / 5.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 5.716	
Subtotal: Procurement, All Modification Items	- / 5.716	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.716	
Support (All Modification Items)													
2.1) S/W ENGINEERING CHANGES	- / 10.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.241	
Subtotal: Support	- / 10.241	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.241	
Installation													
Modification Item 1 of 1: ML009 CAPABILITY INSERTION	- / 0.573	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.573	
Subtotal: Installation	- / 0.573	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.573	
Total													
Total Cost (Procurement + Support + Installation)	16.530	-	-	-	-	-	-	-	-	-	-	16.530	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 3 / ML009 CAPABILITY INSERTION											
Modification Item 1 of 1: ML009 CAPABILITY INSERTION																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																
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																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: CI-06																															
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		8 / 0.573	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.573								
FY 2013		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2014		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		8 / 0.573	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.573								
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
Out	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 4 / ML010 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>)	26.943	2.566	7.881	10.409	-	10.409	24.731	22.291	31.633	29.955	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	26.943	2.566	7.881	10.409	-	10.409	24.731	22.291	31.633	29.955	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	26.943	2.566	7.881	10.409	-	10.409	24.731	22.291	31.633	29.955	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:

TI Processor upgrade provides additional computing capability over previous TI baselines and replaces out of production systems for installation on LOS ANGELES, SSGN, SEAWOLF, and VIRGINIA Class submarines. Provides updates to the AN/BLQ-10 (V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software to account for obsolescence avoidance, and Reliability, Maintainability and Availability (RMA) and associated Integrated Logistics Support (ILS) and technical data. Hardware builds include supporting platform level Submarine Warfare Federated Tactical Systems (SWFTS) interfaces.

Capability and Technical Insertion for AN/BLQ-10(V) provide spiral improvements to the baseline system which are designed to counter against new and evolving threat emitters. This effort is the transition of the EW AN/BLQ-10 CI/TI modernization process to synchronize with SWFTS TI/APB process and model.

Unit prices per component remain stable. The FY-15 modernizations include a higher percentage of older, TI-02 configurations that require more hardware required for the TI-14 configuration. Additionally, the TI-14 kit includes new capabilities and hardware required by the Submarine Tactical Requirements Group (STRG) to provide enhanced operational situational awareness in support of ship safety and Intelligence, Surveillance and Reconnaissance (ISR) missions as well as increased maintainability and improved operational availability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 4 / ML010 TECHNICAL INSERTION				
Models of Systems Affected: TECHNICAL INSERTION				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: ML010 TECHNICAL INSERTION													
B Kits													
Recurring													
1.1.1) TI/APB - NonOrganic ⁽⁴⁾	12 / 6.236	- / -	4 / 5.596	4 / 6.402	- / -	4 / 6.402	12 / 20.566	9 / 14.685	15 / 25.218	14 / 20.696	Continuing	Continuing	
Subtotal: Recurring	- / 6.236	- / -	- / 5.596	- / 6.402	- / -	- / 6.402	- / 20.566	- / 14.685	- / 25.218	- / 20.696	Continuing	Continuing	
Subtotal: ML010 TECHNICAL INSERTION	12 / 6.236	- / -	4 / 5.596	4 / 6.402	- / -	4 / 6.402	12 / 20.566	9 / 14.685	15 / 25.218	14 / 20.696	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 6.236	- / -	- / 5.596	- / 6.402	- / -	- / 6.402	- / 20.566	- / 14.685	- / 25.218	- / 20.696	Continuing	Continuing	
Support (All Modification Items)													
3.1) TI/APB NRE	- / 17.819	- / 0.527	- / 2.285	- / 2.325	- / -	- / 2.325	- / 2.450	- / 2.357	- / 2.400	- / 2.433	- / -	- / 32.596	
3.2) TI/APB CCM	3 / 2.565	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.565	
Subtotal: Support	- / 20.384	- / 0.527	- / 2.285	- / 2.325	- / -	- / 2.325	- / 2.450	- / 2.357	- / 2.400	- / 2.433	- / -	- / 35.161	
Installation													
Modification Item 1 of 1: ML010 TECHNICAL INSERTION	- / 0.323	- / 2.039	- / -	- / 1.682	- / -	- / 1.682	- / 1.715	- / 5.249	- / 4.015	- / 6.826	- / 6.492	- / 28.341	
Subtotal: Installation	- / 0.323	- / 2.039	- / -	- / 1.682	- / -	- / 1.682	- / 1.715	- / 5.249	- / 4.015	- / 6.826	- / 6.492	- / 28.341	
Total													
Total Cost (Procurement + Support + Installation)	26.943	2.566	7.881	10.409	-	10.409	24.731	22.291	31.633	29.955	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 4 / ML010 TECHNICAL INSERTION																			
Modification Item 1 of 1: ML010 TECHNICAL INSERTION																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																								
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: TI/APB																																							
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 / 0.323		4 / 2.039		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 2.362													
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2014		- / -		- / -		- / -		4 / 1.682		- / -		4 / 1.682		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.682													
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.715		- / -		- / -		- / -		- / -		- / -		4 / 1.715													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 5.249		- / -		- / -		- / -		- / -		12 / 5.249													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 4.015		- / -		- / -		- / -		9 / 4.015													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 6.826		- / -		- / -		15 / 6.826													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 6.492		- / -		14 / 6.492													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		8 / 0.323		4 / 2.039		- / -		4 / 1.682		- / -		4 / 1.682		4 / 1.715		12 / 5.249		9 / 4.015		15 / 6.826		14 / 6.492		- / -		70 / 28.341													
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	3	-	-	-	-	-	-	2	1	1	-	2	2	-	-	4	4	4	-	3	4	2	-	5	5	5	14	70								
Out	8	-	1	3	-	-	-	-	-	-	2	1	1	-	2	2	-	-	4	4	4	-	3	4	2	-	5	5	5	14	70								
Method of Implementation (Organic): Not Installed - TI/APB CCM																														Installation Quantity: 3									
Footnotes:																																							

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 4 / ML010 TECHNICAL INSERTION

(4) Unit prices per component remain stable. The FY-15 modernizations include a higher percentage of older, TI-02 configurations that require more hardware for the TI-14 configuration. Additionally, the TI-14 kit includes new capabilities and hardware required by the Submarine Tactical Requirements Group (STRG) to provide enhanced operational situational awareness in support of ship safety and Intelligence, Surveillance and Reconnaissance (ISR) missions as well as increased maintainability and improved operational availability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 5 / ML015 AN/BLQ-10(V) SSN ES 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>)	457.669	4.060	1.252	1.414	-	1.414	-	-	-	-	-	464.395
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	457.669	4.060	1.252	1.414	-	1.414	-	-	-	-	-	464.395
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	457.669	4.060	1.252	1.414	-	1.414	-	-	-	-	-	464.395

(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 fully integrated, covert, forward area radar signal intercept and ID capability for installation on LOS ANGELES, SEAWOLF and SSGN Class Submarines.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Modification Number / Title: 5 / ML015 AN/BLQ-10(V) SSN ES SYSTEM			
Models of Systems Affected: AN/BLQ-10(V)2/3/4				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: ML015 AN/BLQ-10(V) SSN ES SYSTEM													
B Kits													
Recurring													
1.1.1) AN/BLQ-10(V) SSN ES SYSTEM - NonOrganic		45 / 272.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 272.004	
1.1.2) AN/BLQ-10(V) SSN ES SYSTEM CCM - Organic		1 / 8.750	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 8.750	
Subtotal: Recurring		- / 280.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 280.754	
Subtotal: ML015 AN/BLQ-10(V) SSN ES SYSTEM		46 / 280.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 280.754	
Subtotal: Procurement, All Modification Items		- / 280.754	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 280.754	
Installation													
Modification Item 1 of 1: ML015 AN/BLQ-10(V) SSN ES SYSTEM		- / 176.915	- / 4.060	- / 1.252	- / 1.414	- / -	- / 1.414	- / -	- / -	- / -	- / -	- / 183.641	
Subtotal: Installation		- / 176.915	- / 4.060	- / 1.252	- / 1.414	- / -	- / 1.414	- / -	- / -	- / -	- / -	- / 183.641	
Total													
Total Cost (Procurement + Support + Installation)		457.669	4.060	1.252	1.414	-	1.414	-	-	-	-	464.395	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 5 / ML015 AN/BLQ-10(V) SSN ES SYSTEM																							
Modification Item 1 of 1: ML015 AN/BLQ-10(V) SSN ES SYSTEM																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin							Manufacturer Location: >Syracuse, NY																								
Administrative Leadtime (in Months): 6							Production Leadtime (in Months): 26																								
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: AN/BLQ-10(V) SSN ES 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																			
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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	40 / 176.915	3 / 4.060	1 / 1.252	1 / 1.414	- / 0.000	1 / 1.414	- / -	- / -	- / -	- / -	- / -	- / -	45 / 183.641																		
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total	40 / 176.915	3 / 4.060	1 / 1.252	1 / 1.414	- / -	1 / 1.414	- / -	- / -	- / -	- / -	- / -	- / -	45 / 183.641																		
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	1	1	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
Out	40	1	1	-	1	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45
Method of Implementation (Organic): Not Installed - AN/BLQ-10(V) SSN ES SYSTEM CCM														Installation Quantity: 1																	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 6 / ML017 ANBLQ-10(V) 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>)	11.540	3.911	4.519	4.699	-	4.699	5.045	5.128	5.238	5.387	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.540	3.911	4.519	4.699	-	4.699	5.045	5.128	5.238	5.387	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.540	3.911	4.519	4.699	-	4.699	5.045	5.128	5.238	5.387	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:

Procures AN/BLQ-10(V) and ICADF subsystem Product Improvement Field Change Kits (FCK). AN/BLQ-10 FCKs are procured in variable quantities and types, and are bought from a variety of vendors 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 / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 6 / ML017 ANBLQ-10(V) FIELD CHANGE KITS				
Models of Systems Affected: AN/BLQ-10(V)				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: ML017 ANBLQ-10(V) FIELD CHANGE KITS													
B Kits													
Recurring													
1.1.1) AN/BLQ-10(V) FCKs - NonOrganic ⁽⁵⁾	1 / 11.170	1 / 3.535	1 / 4.186	1 / 4.304	- / -	1 / 4.304	1 / 4.810	1 / 4.793	1 / 5.040	1 / 5.146	Continuing	Continuing	
Subtotal: Recurring	- / 11.170	- / 3.535	- / 4.186	- / 4.304	- / -	- / 4.304	- / 4.810	- / 4.793	- / 5.040	- / 5.146	Continuing	Continuing	
Subtotal: ML017 ANBLQ-10(V) FIELD CHANGE KITS	1 / 11.170	1 / 3.535	1 / 4.186	1 / 4.304	- / -	1 / 4.304	1 / 4.810	1 / 4.793	1 / 5.040	1 / 5.146	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 11.170	- / 3.535	- / 4.186	- / 4.304	- / -	- / 4.304	- / 4.810	- / 4.793	- / 5.040	- / 5.146	Continuing	Continuing	
Installation													
Modification Item 1 of 1: ML017 ANBLQ-10(V) FIELD CHANGE KITS	- / 0.370	- / 0.376	- / 0.333	- / 0.395	- / -	- / 0.395	- / 0.235	- / 0.335	- / 0.198	- / 0.241	- / -	- / 2.483	
Subtotal: Installation	- / 0.370	- / 0.376	- / 0.333	- / 0.395	- / -	- / 0.395	- / 0.235	- / 0.335	- / 0.198	- / 0.241	- / -	- / 2.483	
Total													
Total Cost (Procurement + Support + Installation)	11.540	3.911	4.519	4.699	-	4.699	5.045	5.128	5.238	5.387	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 6 / ML017 ANBLQ-10(V) FIELD CHANGE KITS												
Modification Item 1 of 1: ML017 ANBLQ-10(V) FIELD CHANGE KITS																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Multiple Vendors													Manufacturer Location: >Various																			
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				Dec 2015				Dec 2016				Dec 2017				Dec 2018						
Delivery Dates		Jun 2013				Jun 2014				Jun 2015				Jun 2016				Jun 2017				Jun 2018				Jun 2019						
Installation Information																																
Method of Implementation: AIT : Installation Name: AN/BLQ-10(V) FCKs																																
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		1 / 0.370	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.370							
FY 2013		- / -	1 / 0.376		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.376							
FY 2014		- / -	- / -		1 / 0.333		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.333							
FY 2015		- / -	- / -		- / -		1 / 0.395		- / -		1 / 0.395		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.395							
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		1 / 0.235		- / -		- / -		- / -		- / -		- / -		1 / 0.235							
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.335		- / -		- / -		- / -		- / -		1 / 0.335							
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.198		- / -		- / -		- / -		1 / 0.198							
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.241		- / -		- / -		1 / 0.241							
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		1 / 0.370	1 / 0.376		1 / 0.333		1 / 0.395		- / -		1 / 0.395		1 / 0.235		1 / 0.335		1 / 0.198		1 / 0.241		- / -		- / -		8 / 2.483							
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	-	-	-	-	1	-	-	-	-	1	-	-	-
Out	1	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-	-	1	-	-	-
Footnotes: ⁽⁵⁾ Variable quantities and types are bought each year.																																

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 7 / ML018 VA CLASS ES MODERNIZATION MMM

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>	12.154	2.840	-	-	-	-	-	-	-	-	-	14.994
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	12.154	2.840	-	-	-	-	-	-	-	-	-	14.994
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	12.154	2.840	-	-	-	-	-	-	-	-	-	14.994

(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 ES Modernization upgrade of Multi-function Modular Mast (MMM) to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 7 / ML018 VA CLASS ES MODERNIZATION MMM				
Models of Systems Affected: VA MMM				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: ML018 VA CLASS ES MODERNIZATION MMM													
B Kits													
Recurring													
1.1.1) VA MMM - NonOrganic	2 / 9.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 9.305	
1.1.2) VA TRANSFER UNITS MMM - NonOrganic ⁽⁶⁾	2 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / -	
Subtotal: Recurring	- / 9.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.305	
Subtotal: ML018 VA CLASS ES MODERNIZATION MMM	4 / 9.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 9.305	
Subtotal: Procurement, All Modification Items	- / 9.305	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.305	
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION MMM	- / 2.849	- / 2.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.689	
Subtotal: Installation	- / 2.849	- / 2.840	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.689	
Total													
Total Cost (Procurement + Support + Installation)	12.154	2.840	-	-	-	-	-	-	-	-	-	14.994	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 7 / ML018 VA CLASS ES MODERNIZATION MMM											
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION MMM																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin														Manufacturer Location: >Syracuse, NY																	
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																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: VA MMM																															
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		- / -		2 / 2,840		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2,840					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		2 / 2,840		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2,840					
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 / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 7 / ML018 VA CLASS ES MODERNIZATION MMM

Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION MMM

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: VA TRANSFER UNITS MMM

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 / 2.849	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.849
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 2.849	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.849

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

Footnotes:

⁽⁶⁾ Two (2) Prior Year VA Transfer Units procured under BLI 0942 installed in FY12.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI

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>)	3.954	0.783	-	-	-	-	-	-	-	-	-	4.737
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3.954	0.783	-	-	-	-	-	-	-	-	-	4.737
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3.954	0.783	-	-	-	-	-	-	-	-	-	4.737
<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 ES Modernization upgrades of Embedded National Tactical Receiver (ENTR) and Low Probability of Intercept (LPI) capabilities to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI				
Models of Systems Affected: VA ENTR/LPI				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: ML018 VA CLASS ES MODERNIZATION ENTR/LPI													
B Kits													
Recurring													
1.1.1) VA ENTR/LPI - NonOrganic		3 / 2.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.092	
1.1.2) VA TRANSFER UNITS ENTR/LPI - NonOrganic (7)		7 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / -	
Subtotal: Recurring		- / 2.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.092	
Subtotal: ML018 VA CLASS ES MODERNIZATION ENTR/LPI		10 / 2.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.092	
Subtotal: Procurement, All Modification Items		- / 2.092	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.092	
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION ENTR/LPI		- / 1.862	- / 0.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.645	
Subtotal: Installation		- / 1.862	- / 0.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.645	
Total													
Total Cost (Procurement + Support + Installation)		3.954	0.783	-	-	-	-	-	-	-	-	4.737	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI											
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION ENTR/LPI																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																
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																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: VA ENTR/LPI																															
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		- / -	3 / 0.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.783																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	3 / 0.783	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.783																		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Out	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 8 / ML018 VA CLASS ES MODERNIZATION ENTR/LPI

Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION ENTR/LPI

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: VA TRANSFER UNITS ENTR/LPI

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 / 1.862	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.862
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 1.862	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.862

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7

Footnotes:

⁽⁷⁾ Seven (7) prior year VA Transfer Unit procured under BLI 0942 installed in prior years and FY12.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 9 / ML018 VA CLASS ES MODERNIZATION PEPI-3

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>	17.406	2.237	8.389	-	-	-	0.409	-	-	-	-	28.441
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	17.406	2.237	8.389	-	-	-	0.409	-	-	-	-	28.441
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	17.406	2.237	8.389	-	-	-	0.409	-	-	-	-	28.441

(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 ES Modernization upgrade of Photonics ESM Product Improvement (PEPI-3) capabilities to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

UNCLASSIFIED

LI 2560 - Submarine Supt Equip Prog
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 9 / ML018 VA CLASS ES MODERNIZATION PEPI-3											
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION PEPI-3																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																
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						Mar 2014																									
Delivery Dates						Nov 2015																									
Installation Information																															
Method of Implementation: AIT : Installation Name: VA PEPI-3																															
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		-	/	-	2 / 2.237	1 / 0.197	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	3 / 2.434						
FY 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	2 / 0.409	-	/	-	-	/	-	-	/	-	-	/	-	2 / 0.409				
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
Total		-	/	-	2 / 2.237	1 / 0.197	-	/	-	-	/	-	-	/	-	2 / 0.409	-	/	-	-	/	-	-	/	-	-	/	-	5 / 2.843		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	-	2	-	-	-	1	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 9 / ML018 VA CLASS ES MODERNIZATION PEPI-3

Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION PEPI-3

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: VA TRANSFER UNITS PEPI-3

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 / 4.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.349
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 4.349	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.349

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
Out	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4

Footnotes:

⁽⁸⁾ Four (4) prior year VA Transfer Units procured under BLI 0942 installed in prior years.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 10 / ML018 VA CLASS ES MODERNIZATION PATRIOT			

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>)	9.272	1.922	3.122	2.467	-	2.467	3.860	2.741	2.972	0.361	0.367	27.084
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	9.272	1.922	3.122	2.467	-	2.467	3.860	2.741	2.972	0.361	0.367	27.084
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	9.272	1.922	3.122	2.467	-	2.467	3.860	2.741	2.972	0.361	0.367	27.084
(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 Electronic Warfare Support (ES) Modernization upgrade of PATRIOT Phase B RADAR range finder for incorporation into the VIRGINIA CLASS Photonics Mast.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog					Modification Number / Title: 10 / ML018 VA CLASS ES MODERNIZATION PATRIOT				
Models of Systems Affected: VA PATRIOT				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: ML018 VA CLASS ES MODERNIZATION PATRIOT													
B Kits													
Recurring													
1.1.1) VA PATRIOT - NonOrganic		6 / 8.385	1 / 1.295	2 / 2.958	2 / 2.300	- / -	2 / 2.300	3 / 3.519	2 / 2.393	2 / 2.441	- / -	- / -	18 / 23.291
Subtotal: Recurring		- / 8.385	- / 1.295	- / 2.958	- / 2.300	- / -	- / 2.300	- / 3.519	- / 2.393	- / 2.441	- / -	- / -	- / 23.291
Subtotal: ML018 VA CLASS ES MODERNIZATION PATRIOT		6 / 8.385	1 / 1.295	2 / 2.958	2 / 2.300	- / -	2 / 2.300	3 / 3.519	2 / 2.393	2 / 2.441	- / -	- / -	18 / 23.291
Subtotal: Procurement, All Modification Items		- / 8.385	- / 1.295	- / 2.958	- / 2.300	- / -	- / 2.300	- / 3.519	- / 2.393	- / 2.441	- / -	- / -	- / 23.291
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION PATRIOT		- / 0.887	- / 0.627	- / 0.164	- / 0.167	- / -	- / 0.167	- / 0.341	- / 0.348	- / 0.531	- / 0.361	- / 0.367	- / 3.793
Subtotal: Installation		- / 0.887	- / 0.627	- / 0.164	- / 0.167	- / -	- / 0.167	- / 0.341	- / 0.348	- / 0.531	- / 0.361	- / 0.367	- / 3.793
Total													
Total Cost (Procurement + Support + Installation)		9.272	1.922	3.122	2.467	-	2.467	3.860	2.741	2.972	0.361	0.367	27.084

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 10 / ML018 VA CLASS ES MODERNIZATION PATRIOT																							
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION PATRIOT																															
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> : 19																								
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																									
Delivery Dates	Oct 2014	Oct 2015	Oct 2016	Oct 2017	Oct 2018	Oct 2019																									
Installation Information																															
Method of Implementation: AIT : Installation Name: VA PATRIOT																															
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	3 / 0.887	2 / 0.627	1 / 0.164	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.678																			
FY 2013	- / -	- / -	- / -	1 / 0.167	- / -	1 / 0.167	- / -	- / -	- / -	- / -	- / -	1 / 0.167																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.341	- / -	- / -	- / -	- / -	2 / 0.341																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.348	- / -	- / -	- / -	2 / 0.348																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.531	- / -	- / -	3 / 0.531																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.361	- / -	2 / 0.361																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.367	2 / 0.367																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	3 / 0.887	2 / 0.627	1 / 0.164	1 / 0.167	- / -	1 / 0.167	2 / 0.341	2 / 0.348	3 / 0.531	2 / 0.361	2 / 0.367	18 / 3.793																			
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	3	1	1	-	-	1	-	-	-	1	-	-	-	1	-	1	-	2	-	-	-	3	-	-	-	2	-	-	-	2	18
Out	3	1	1	-	-	1	-	-	-	1	-	-	-	1	-	1	-	2	-	-	-	3	-	-	-	2	-	-	-	2	18

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 11 / ML018 VA CLASS ES MODERNIZATION SEI/CMF

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>	3.523	0.767	0.060	-	-	-	-	-	-	-	-	4.350
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.523	0.767	0.060	-	-	-	-	-	-	-	-	4.350
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.523	0.767	0.060	-	-	-	-	-	-	-	-	4.350

(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 Capability Insertion Auto Signal Emitter ID (SEI)/Common Message Format(CMF) for installation on VIRGINIA Class submarines.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Modification Number / Title: 11 / ML018 VA CLASS ES MODERNIZATION SEI/CMF			
Models of Systems Affected: VA CI				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: ML018 VA CLASS ES MODERNIZATION SEI/CMF													
B Kits													
Recurring													
1.1.1) VA SEI/CMF - NonOrganic		5 / 3.094	1 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.559	
Subtotal: Recurring		- / 3.094	- / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.559	
Subtotal: ML018 VA CLASS ES MODERNIZATION SEI/CMF		5 / 3.094	1 / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.559	
Subtotal: Procurement, All Modification Items		- / 3.094	- / 0.465	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.559	
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION SEI/CMF		- / 0.429	- / 0.302	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.791	
Subtotal: Installation		- / 0.429	- / 0.302	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.791	
Total													
Total Cost (Procurement + Support + Installation)		3.523	0.767	0.060	-	-	-	-	-	-	-	4.350	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 11 / ML018 VA CLASS ES MODERNIZATION SEI/CMF

Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION SEI/CMF

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin	Manufacturer Location: >Syracuse, NY
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 2013						
Delivery Dates	Mar 2014						

Installation Information

Method of Implementation: AIT : Installation Name: VA SEI/CMF

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 / 0.429	2 / 0.302	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.731
FY 2013	- / -	- / -	1 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.060
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.429	2 / 0.302	1 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.791

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	3	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	3	-	2	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 12 / ML018 VA CLASS ES MODERNIZATION 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>)	5.625	0.649	0.060	-	-	-	-	-	-	-	-	6.334
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.625	0.649	0.060	-	-	-	-	-	-	-	-	6.334
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.625	0.649	0.060	-	-	-	-	-	-	-	-	6.334

(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 Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides updates to the AN/BLQ-10(V) configuration baseline which incorporates current Commercial off the Shelf (COTS) processing technology and software for obsolescence avoidance, and improved Reliability, Maintainability and Availability (RMA).

Capability and Technical Insertions for AN/BLQ-10(V) provide spiral improvements to the baseline system which are designed to counter against new and evolving threat emitters. This effort specifically provides for ANBLQ-10(V) upgrades and technical H/W and S/W changes that will provide commonality in processors, receivers, interoperability improvements and functional software upgrades to meet current and future tactical requirements.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Modification Number / Title: 12 / ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION			
Models of Systems Affected: VA TI-10				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: ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION													
B Kits													
Recurring													
1.1.1) VA TI-10 - NonOrganic		6 / 4.411	1 / 0.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.803	
Subtotal: Recurring		- / 4.411	- / 0.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.803	
Subtotal: ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION		6 / 4.411	1 / 0.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.803	
Subtotal: Procurement, All Modification Items		- / 4.411	- / 0.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.803	
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION		- / 1.214	- / 0.257	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.531	
Subtotal: Installation		- / 1.214	- / 0.257	- / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.531	
Total													
Total Cost (Procurement + Support + Installation)		5.625	0.649	0.060	-	-	-	-	-	-	-	6.334	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 12 / ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION

Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION TECHNICAL INSERTION

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Lockheed Martin Manufacturer Location: >Syracuse, NY

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	Mar 2013						
Delivery Dates	Jul 2014						

Installation Information

Method of Implementation: AIT : Installation Name: VA TI-10

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 / 1.214	1 / 0.257	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.471
FY 2013	- / -	- / -	1 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.060
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 1.214	1 / 0.257	1 / 0.060	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.531

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	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	5	-	-	1	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 13 / ML018 VA CLASS ES MODERNIZATION RNB

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>	11.306	0.627	-	-	-	-	-	-	-	-	-	11.933
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	11.306	0.627	-	-	-	-	-	-	-	-	-	11.933
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	11.306	0.627	-	-	-	-	-	-	-	-	-	11.933

(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 ES Modernization upgrade of Radar Narrow Band (RNB) capability to the VIRGINIA CLASS AN/BLQ-10(V)1 EW System.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog						Modification Number / Title: 13 / ML018 VA CLASS ES MODERNIZATION RNB			
Models of Systems Affected: VA RNB				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: ML018 VA CLASS ES MODERNIZATION RNB													
B Kits													
Recurring													
1.1.1) VA RNB - NonOrganic		5 / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 10.912	
Subtotal: Recurring		- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912	
Subtotal: ML018 VA CLASS ES MODERNIZATION RNB		5 / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 10.912	
Subtotal: Procurement, All Modification Items		- / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.912	
Installation													
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION RNB		- / 0.394	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.021	
Subtotal: Installation		- / 0.394	- / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.021	
Total													
Total Cost (Procurement + Support + Installation)		11.306	0.627	-	-	-	-	-	-	-	-	11.933	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6										P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog										Modification Number / Title: 13 / ML018 VA CLASS ES MODERNIZATION RNB											
Modification Item 1 of 1: ML018 VA CLASS ES MODERNIZATION RNB																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Lockheed Martin															Manufacturer Location: >Syracuse, NY																
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																															
Delivery Dates																															
Installation Information																															
Method of Implementation: AIT : Installation Name: VA RNB																															
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		2 / 0.394	3 / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.021																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		2 / 0.394	3 / 0.627	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.021																		
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5
Out	2	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 14 / ML020 AN/BLQ-10B (V)

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	-	-	17.460	-	17.460	2.587	25.144	15.828	55.900	8.833	125.752
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	-	17.460	-	17.460	2.587	25.144	15.828	55.900	8.833	125.752
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	-	17.460	-	17.460	2.587	25.144	15.828	55.900	8.833	125.752
(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:

Procurement of AN/BLQ-10B(V) NRE, PPU, augmentation systems and modernization kits for ES Modernization upgrades for all submarine platforms. The rapid proliferation of complex radar, communications and navigation equipment available to potential adversaries creates a need for sustained and significant improvements to submarine systems in order to maintain tactical ship safety and operational effectiveness. Commander Submarine Forces and the Submarine Tactical Requirements Group (STRG) raised EW primary mission area in FY12 to be the number one modernization requirement.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6				P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog				Modification Number / Title: 14 / ML020 AN/BLQ-10B (V)				
Models of Systems Affected: AN/BLQ-10				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: ML020 AN/BLQ-10B (V)												
B Kits												
Recurring												
1.1.1) AN/BLQ-10B(V) PPU - Organic ⁽⁹⁾	- / -	- / -	- / -	1 / 6.983	- / -	1 / 6.983	- / -	1 / 8.728	- / -	- / -	- / -	2 / 15.711
1.1.2) EW Tactical Improvement Set - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.615	3 / 9.271	13 / 34.410	- / -	18 / 51.296
1.1.3) AN/BLQ-10B(V) Modernization Kits - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.450	- / -	1 / 10.450
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 6.983	- / -	- / 6.983	- / -	- / 16.343	- / 9.271	- / 44.860	- / -	- / 77.457
Subtotal: ML020 AN/BLQ-10B (V)	- / -	- / -	- / -	1 / 6.983	- / -	1 / 6.983	- / -	3 / 16.343	3 / 9.271	14 / 44.860	- / -	21 / 77.457
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 6.983	- / -	- / 6.983	- / -	- / 16.343	- / 9.271	- / 44.860	- / -	- / 77.457
Support (All Modification Items)												
2.1) NRE	- / -	- / -	- / -	- / 10.477	- / -	- / 10.477	- / 2.587	- / 8.801	- / 5.462	- / 9.334	- / -	- / 36.661
Subtotal: Support	- / 0.000	- / -	- / -	- / 10.477	- / -	- / 10.477	- / 2.587	- / 8.801	- / 5.462	- / 9.334	- / -	- / 36.661
Installation												
Modification Item 1 of 1: ML020 AN/BLQ-10B (V)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.095	- / 1.706	- / 8.833	- / 11.634
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.095	- / 1.706	- / 8.833	- / 11.634
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	17.460	-	17.460	2.587	25.144	15.828	55.900	8.833	125.752

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Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6		P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog			Modification Number / Title: 14 / ML020 AN/BLQ-10B (V)

Modification Item 1 of 1: ML020 AN/BLQ-10B (V)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD				Manufacturer Location: >TBD			
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 2017	Mar 2018	Mar 2019
Delivery Dates					Mar 2018	Mar 2019	Mar 2020

Installation Information

Method of Implementation: AIT : Installation Name: EW Tactical Improvement Set

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 / 1.095	- / -	- / -	2 / 1.095
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.706	- / -	3 / 1.706
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 7.533	13 / 7.533
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.095	3 / 1.706	13 / 7.533	18 / 10.334

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	13	18	
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	1	13	18	

Method of Implementation: SHIPALT : Installation Name: AN/BLQ-10B(V) Modernization Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 6	P-1 Line Item Number / Title: 2560 / Submarine Supt Equip Prog	Modification Number / Title: 14 / ML020 AN/BLQ-10B (V)

Modification Item 1 of 1: ML020 AN/BLQ-10B (V)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: SHIPALT : Installation Name: AN/BLQ-10B(V) Modernization Kits

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	1 / 1.300
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	1 / 1.300

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	
Out	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	

Method of Implementation (Organic): Not Installed - AN/BLQ-10B(V) PPU

Installation Quantity: 2

Footnotes:

⁽⁹⁾ Note FY15 and FY17 Preproduction Units (PPUs) procured as land based configuration control models for EW Next Generation Architecture Increment 1 (FY15) and Increment 2 (FY17)

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment							P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items: 0603755N, 0603658N					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>)	706.798	20.335	29.592	33.939	-	33.939	25.898	30.886	31.448	32.126	37.100	948.122
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	706.798	20.335	29.592	33.939	-	33.939	25.898	30.886	31.448	32.126	37.100	948.122
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	706.798	20.335	29.592	33.939	-	33.939	25.898	30.886	31.448	32.126	37.100	948.122
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.937	1.182	0.986	-	0.986	0.987	0.819	0.840	0.253	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: Mission Description and Budget Item Justification: Cooperative Engagement Capability (CEC) significantly improves Battle Force Anti-Air Warfare (AAW) capability by coordinating all Battle Force AAW sensors into a single, real-time, composite track picture capable of fire control quality. CEC distributes sensor data from each ship and aircraft, or cooperating unit (CU), to all other CUs in the battle force through a real-time, line of sight, high data rate sensor and engagement data distribution network. CEC is highly resistant to jamming and provides accurate gridlocking between CUs. Each CU independently employs high capacity, parallel processing and advanced algorithms to combine all distributed sensor data into a fire control quality track picture which is the same for all CUs. CEC data is presented as a superset of the best AAW sensor capabilities from each CU, all of which are integrated into a single input to each CU's combat weapons system. CEC significantly improves our Battle Force defense in depth, including both local area and ship defense capabilities against current and future AAW threats. Moreover, CEC provides critical connectivity and integration of over-land air defense systems capable of countering emerging air threats, including land attack cruise missiles, in a complex littoral environment. CEC consists of the Data Distribution System (DDS), the Cooperative Engagement Processor (CEP), and Combat System modifications. The DDS encodes and distributes ownship sensor and engagement data and is a high capacity, jam resistant, directive system providing a precision gridlocking and high throughput of data. The CEP is a high capacity distributed processor that is able to process force levels of data in near real-time. This data is passed to the ship's combat system as high quality data for which the ship can cue its onboard sensors or use the data to engage targets without actually tracking them. The Navy has begun implementation of a Pre-Planned Product Improvement (P3I) approach to modify the current equipment to meet reduced size, weight, cost, power and cooling objectives. This P3I approach also supports continuity for interoperability improvements and program protection, as well as supporting open architecture initiatives and comms independence. P3I will provide hardware which complies with Category 3 Open Architecture Core Environment (OACE) standards with rehosted existing software, which will be fielded fleet-wide to allow affordable replacement of obsolete computing system components and eliminate dependencies on "closed" equipment, operating systems, and middleware. A family of antennas approach will be used to satisfy CEC requirements with lower life cycle costs (procurement, installation, and maintenance) and reduced weight (on mast and below deck). These antennas enable future capability as well as providing a solution extensible to additional platforms. A competitive contract for Common Array Block (CAB) antenna development and production was awarded late FY13. CAB procurements will commence in FY15. CEC is planned for shipboard installations at various Naval and commercial shipyards aboard CG/CG Mod, DDG/DDG Mod, CV/CVN, LHD, DDG 1000, and LHA ship classes during scheduled ship availability periods and at land based test sites (LBTS).												
[P40A / UC002 - AN/UYQ-70 DISPLAY]: This is a sunk cost to fund the procurement of the AN/UYQ-70 display system for use and integration with the CEC system.												
[P40A / UC004 - ECP/KIT PROCUREMENT]: These funds are for the procurement and installation of Engineering Change Proposals (ECPs) and Field Change Kits to address CEC parts obsolescence associated with interfacing systems on multiple platforms.												

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment											P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0603755N, 0603658N						Other Related Program Elements:										
[P40A / UC005 - NON-RECURRING DEPOT COST]: This is a sunk cost to establish a depot for the CEC system.																						
[P40A / UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING]: This is a sunk cost to fund VISTA training related to the CEC system.																						
[P40A / UC008 - SUPPLY SUPPORT]: This is a sunk cost for Supply Support for the CEC system.																						
[P40A / UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)]: Funds are for the procurement of Signal Data Processors (SDP) backfits at Land Based Test Sites (LBTs). There are no installation costs associated with these procurements because the installations will be performed by employees at the LBTs.																						
[P40A / UC013 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)]: Funds are for the procurement of AN/USG-2B hardware conversion kits for the CEC AN/USG-2 system configuration.																						
[P40A / UC014 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2A)]: Funds are for the procurement of AN/USG-2B hardware conversion kits for the AN/USG-2A CEC system configuration.																						
[P40A / UC015 - AN/USG-2B HARDWARE CONVERSION KITS (LBTS)]: Funds are for the procurement of AN/USG-2B hardware conversion kits for CEC Land Based Test Sites.																						
[P40A / UC830 - PRODUCTION ENGR. SUPPORT]: These funds are for production engineering support for CEC systems.																						
[P40A / UCCA1 - CONGRESSIONAL ADD]: These are Congressional add funds.																						
[P3A / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)]: These funds are for the procurement of CEC to backfit CG, DDG, CV/CVN, and LHD ship classes, as well as various Land Based Test Sites (LBTs).																						
[P3A - 2 / UC003 - PAAA BACKFIT KITS]: These funds are for the procurement of Planar Antenna Array Assembly (PAAA) backfit kits.																						
[P3A - 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS]: Funds are for the procurement of Signal Data Processors (SDP) backfits.																						
[P3A - 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)]: Funds are for the procurement of Signal Data Processors (SDP) backfits for AN/USG-2A equipment.																						
[P3A - 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD]: Funds are for the procurement of Common Array Block (CAB) antennas for shipboard AN/USG-2B 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)		
COOPERATIVE ENGAGEMENT CAPABILITY	P-40a		-	-	235.960	-	-	7.201	-	-	14.052	-	-	9.645	-	-	-	-	-	9.645		

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items: 0603755N, 0603658N						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 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	P-3a		-	-	432.596	-	-	-	-	-	4.854	-	-	5.087	-	-	-	-	-	5.087
P-3a - 2 / UC003 - PAAA BACKFIT KITS	P-3a		-	-	24.354	-	-	11.887	-	-	4.693	-	-	3.490	-	-	-	-	-	3.490
P-3a - 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	P-3a		-	-	8.593	-	-	0.984	-	-	3.597	-	-	5.878	-	-	-	-	-	5.878
P-3a - 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	P-3a		-	-	5.295	-	-	0.263	-	-	2.396	-	-	4.739	-	-	-	-	-	4.739
P-3a - 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	5.100	-	-	-	-	-	5.100
Total Gross/Weapon System Cost			-	-	706.798	-	-	20.335	-	-	29.592	-	-	33.939	-	-	-	-	-	33.939
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)
COOPERATIVE ENGAGEMENT CAPABILITY	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	P-3a		-	-	6.639	-	-	6.696	-	-	6.855	-	-	1.579	-	-	1.372	-	-	465.678
P-3a - 2 / UC003 - PAAA BACKFIT KITS	P-3a		-	-	1.066	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45.490
P-3a - 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	P-3a		-	-	6.049	-	-	5.912	-	-	5.618	-	-	2.946	-	-	-	-	-	39.577
P-3a - 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	P-3a		-	-	2.945	-	-	2.409	-	-	1.359	-	-	0.732	-	-	-	-	-	20.138
P-3a - 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD	P-3a		-	-	3.795	-	-	7.730	-	-	6.642	-	-	22.355	-	-	18.640	-	-	64.262
Total Gross/Weapon System Cost			-	-	25.898	-	-	30.886	-	-	31.448	-	-	32.126	-	-	37.100	-	-	948.122

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment		P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0603755N, 0603658N	Other Related Program Elements:
*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: FY14 funds are required to procure hardware and provide associated support for the CEC system. Driven by procurement of CEC for LHD-2, Planar Antenna Array Assembly (PAAA) and procurements of Signal Data Processors with increases in FY14 planned installations and conversion kit sub component procurements from FY13.		

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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 / 02 / 7						P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability								Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY						
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) UC002 - AN/UYQ-70 DISPLAY																				
1.1) AN/UYQ-70 DISPLAY	A		-	-	21.493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) UC002 - AN/ UYQ-70 DISPLAY			-	-	21.493	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) UC004 - ECP/KIT PROCUREMENT																				
2.1) ECP/KIT PROCUREMENT	A		-	-	85.049	-	-	4.656	-	-	4.383	-	-	2.311	-	-	-	-	-	2.311
Subtotal: 2) UC004 - ECP/ KIT PROCUREMENT			-	-	85.049	-	-	4.656	-	-	4.383	-	-	2.311	-	-	-	-	-	2.311
3) UC005 - NON-RECURRING DEPOT COST																				
3.1) NON- RECURRING DEPOT SUPPORT	A		-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) UC005 - NON-RECURRING DEPOT COST			-	-	4.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING																				
4.1) VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING	A		-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING			-	-	0.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) UC008 - SUPPLY SUPPORT																				
5.1) SUPPLY SUPPORT	A		-	-	6.094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) UC008 - SUPPLY SUPPORT			-	-	6.094	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)																				
6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)	A		532,125.00	8	4.257	-	-	-	194,094.00	3	0.582	218,500.00	2	0.437	-	-	-	218,500.00	2	0.437
Subtotal: 6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)			-	-	4.257	-	-	-	-	-	0.582	-	-	0.437	-	-	-	-	-	0.437
7) UC013 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)																				

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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 / 02 / 7								P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability								Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY				
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)
7.1) AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)	A		-	-	-	-	-	-	361,750.00	8	2.894	369,000.00	8	2.952	-	-	-	369,000.00	8	2.952
<i>Subtotal: 7) UC013 - AN/ USG-2B HARDWARE CONVERSION KITS (AN/ USG-2)</i>			-	-	0.000	-	-	-	-	-	2.894	-	-	2.952	-	-	-	-	-	2.952
8) UC014 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2A)																				
8.1) AN/USG-2B HARDWARE CONVERSION KIT (AN/USG-2A)	A		-	-	-	-	-	-	276,060.00	7	1.932	281,666.67	3	0.845	-	-	-	281,666.67	3	0.845
<i>Subtotal: 8) UC014 - AN/ USG-2B HARDWARE CONVERSION KITS (AN/ USG-2A)</i>			-	-	0.000	-	-	-	-	-	1.932	-	-	0.845	-	-	-	-	-	0.845
9) UC015 - AN/USG-2B HARDWARE CONVERSION KITS (LBTS)																				
9.1) AN/USG-2B HARDWARE CONVERSION KITS (LBTS)	A		-	-	-	-	-	-	364,410.00	3	1.093	371,500.00	2	0.743	-	-	-	371,500.00	2	0.743
<i>Subtotal: 9) UC015 - AN/ USG-2B HARDWARE CONVERSION KITS (LBTS)</i>			-	-	0.000	-	-	-	-	-	1.093	-	-	0.743	-	-	-	-	-	0.743
10) UC830 - PRODUCTION ENGR. SUPPORT																				
10.1) PRODUCTION ENGR. SUPPORT	A		-	-	76.328	-	-	2.545	-	-	3.168	-	-	2.357	-	-	-	-	-	2.357
<i>Subtotal: 10) UC830 - PRODUCTION ENGR. SUPPORT</i>			-	-	76.328	-	-	2.545	-	-	3.168	-	-	2.357	-	-	-	-	-	2.357
11) UCCA1 - CONGRESSIONAL ADD																				
11.1) CONGRESSIONAL ADD	A		-	-	23.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 11) UCCA1 - CONGRESSIONAL ADD</i>			-	-	23.249	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12) UC6IN - NON-FMP INSTALLATION																				
12.1) NON-FMP INSTALLATION	A		-	-	14.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 12) UC6IN - NON-FMP INSTALLATION</i>			-	-	14.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 7						P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability									Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY					
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			-	-	235.960	-	-	7.201	-	-	14.052	-	-	9.645	-	-	-	-	-	9.645

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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 / 02 / 7						P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability								Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY						
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) UC002 - AN/UYQ-70 DISPLAY																				
1.1) AN/UYQ-70 DISPLAY	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) UC002 - AN/UYQ-70 DISPLAY			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) UC004 - ECP/KIT PROCUREMENT																				
2.1) ECP/KIT PROCUREMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) UC004 - ECP/KIT PROCUREMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) UC005 - NON-RECURRING DEPOT COST																				
3.1) NON-RECURRING DEPOT SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) UC005 - NON-RECURRING DEPOT COST			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING																				
4.1) VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) UC006 - VISUAL INTERACTIVE SIMULATED TRAINING APPLICATION (VISTA) TRAINING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) UC008 - SUPPLY SUPPORT																				
5.1) SUPPLY SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) UC008 - SUPPLY SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)																				
6.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) UC011 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (LBTS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) UC013 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)																				

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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 / 02 / 7								P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability								Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY				
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)
7.1) AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 7) UC013 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2)</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) UC014 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2A)																				
8.1) AN/USG-2B HARDWARE CONVERSION KIT (AN/USG-2A)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 8) UC014 - AN/USG-2B HARDWARE CONVERSION KITS (AN/USG-2A)</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) UC015 - AN/USG-2B HARDWARE CONVERSION KITS (LBTS)																				
9.1) AN/USG-2B HARDWARE CONVERSION KITS (LBTS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 9) UC015 - AN/USG-2B HARDWARE CONVERSION KITS (LBTS)</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) UC830 - PRODUCTION ENGR. SUPPORT																				
10.1) PRODUCTION ENGR. SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 10) UC830 - PRODUCTION ENGR. SUPPORT</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11) UCCA1 - CONGRESSIONAL ADD																				
11.1) CONGRESSIONAL ADD	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 11) UCCA1 - CONGRESSIONAL ADD</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12) UC6IN - NON-FMP INSTALLATION																				
12.1) NON-FMP INSTALLATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 12) UC6IN - NON-FMP INSTALLATION</i>			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 7								P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability							Aggregated Items Title: COOPERATIVE ENGAGEMENT CAPABILITY				

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 / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 1 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)

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>	432.596	-	4.854	5.087	-	5.087	6.639	6.696	6.855	1.579	1.372	465.678
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	432.596	-	4.854	5.087	-	5.087	6.639	6.696	6.855	1.579	1.372	465.678
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	432.596	-	4.854	5.087	-	5.087	6.639	6.696	6.855	1.579	1.372	465.678
(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:

Strike Group Anti-Air Warfare (AAW) Improvement

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7					P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability					Modification Number / Title: 1 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)			
Models of Systems Affected: UC001 COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (CETPS) (AN/USG-2/2A/2B)					Modification Type: SGAAW					Related RDT&E PEs: 0603755N, 0603658N			
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													
Modification Item 1 of 1: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)													
B Kits													
Recurring													
1.1.1) COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B) - NonOrganic	47 / 359.673	- / -	1 / 4.854	1 / 4.956	- / -	1 / 4.956	1 / 5.060	1 / 5.167	1 / 5.276	- / -	- / -	52 / 384.986	
Subtotal: Recurring	- / 359.673	- / -	- / 4.854	- / 4.956	- / -	- / 4.956	- / 5.060	- / 5.167	- / 5.276	- / -	- / -	- / 384.986	
Subtotal: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	47 / 359.673	- / -	1 / 4.854	1 / 4.956	- / -	1 / 4.956	1 / 5.060	1 / 5.167	1 / 5.276	- / -	- / -	52 / 384.986	
Subtotal: Procurement, All Modification Items	- / 359.673	- / -	- / 4.854	- / 4.956	- / -	- / 4.956	- / 5.060	- / 5.167	- / 5.276	- / -	- / -	- / 384.986	
Installation													
Modification Item 1 of 1: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)	- / 72.923	- / -	- / -	- / 0.131	- / -	- / 0.131	- / 1.579	- / 1.529	- / 1.579	- / 1.579	- / 1.372	- / 80.692	
Subtotal: Installation	- / 72.923	- / -	- / -	- / 0.131	- / -	- / 0.131	- / 1.579	- / 1.529	- / 1.579	- / 1.579	- / 1.372	- / 80.692	
Total													
Total Cost (Procurement + Support + Installation)	432.596	-	4.854	5.087	-	5.087	6.639	6.696	6.855	1.579	1.372	465.678	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability				Modification Number / Title: 1 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)					
Modification Item 1 of 1: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: RAYTHEON ⁽¹⁾							Manufacturer Location: >ST. PETERSBURG, FL						
Administrative Leadtime (in Months): 18							Production Leadtime (in Months): 18						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates		Apr 2014	Apr 2015	Apr 2016									
Delivery Dates		Oct 2015	Oct 2016	Oct 2017									
Manufacturer Name: TBD							Manufacturer Location: >TBD						
Administrative Leadtime (in Months): 18							Production Leadtime (in Months): 18						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates					Apr 2017	Apr 2018							
Delivery Dates					Oct 2018	Oct 2019							
Installation Information													
Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSI													
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	47 / 72.923	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	47 / 72.923	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / 0.131	- / -	- / 0.131	1 / 1.372	- / -	- / -	- / -	- / -	1 / 1.503	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.207	1 / 1.322	- / -	- / -	- / -	1 / 1.529	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.207	1 / 1.372	- / -	- / -	1 / 1.579	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.207	1 / 1.372	- / -	1 / 1.579	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.207	1 / 1.372	1 / 1.579	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	47 / 72.923	- / -	- / -	- / 0.131	- / -	- / 0.131	1 / 1.579	1 / 1.529	1 / 1.579	1 / 1.579	1 / 1.372	52 / 80.692	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 1 / UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)

Modification Item 1 of 1: UC001 - COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSING SET (USG-2/2A/2B)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: COOPERATIVE ENGAGEMENT TRANSMISSION PROCESSI

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	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	1	-	1	52
Out	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	1	-	-	1	-	-	-	1	-	1	52

Footnotes:

⁽¹⁾ The last option year under the current CEC Production contract is FY 2016. A competitive follow-on CEC Production contract is anticipated to be awarded in FY 2017.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 2 / UC003 - PAAA BACKFIT 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>)	24.354	11.887	4.693	3.490	-	3.490	1.066	-	-	-	-	45.490
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	24.354	11.887	4.693	3.490	-	3.490	1.066	-	-	-	-	45.490
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	24.354	11.887	4.693	3.490	-	3.490	1.066	-	-	-	-	45.490
(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:

Strike Group Anti-Air Warfare (AAW) Improvement. The PAAA Backfit Kit procurements will be replaced with Common Array Block (CAB) - Shipboard Antenna procurements commencing in FY15. The PB-14 budget showed CAB procurements commencing in FY14. This date has slipped a year due to delays in awarding the CAB development contract.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability				Modification Number / Title: 2 / UC003 - PAAA BACKFIT KITS					
Models of Systems Affected: UC003 PAAA BACKFIT KITS				Modification Type: SGAAW				Related RDT&E PEs: 0603755N, 0603658N					
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: UC003 - PAAA BACKFIT KITS													
B Kits													
Non-Recurring													
1.1.1) PAAA BACKFIT KITS - NonOrganic	5 / 19.201	3 / 9.300	1 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 31.601	
Subtotal: Non-Recurring	- / 19.201	- / 9.300	- / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.601	
Subtotal: UC003 - PAAA BACKFIT KITS	5 / 19.201	3 / 9.300	1 / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 31.601	
Subtotal: Procurement, All Modification Items	- / 19.201	- / 9.300	- / 3.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.601	
Installation													
Modification Item 1 of 1: UC003 - PAAA BACKFIT KITS	- / 5.153	- / 2.587	- / 1.593	- / 3.490	- / -	- / 3.490	- / 1.066	- / -	- / -	- / -	- / -	- / 13.889	
Subtotal: Installation	- / 5.153	- / 2.587	- / 1.593	- / 3.490	- / -	- / 3.490	- / 1.066	- / -	- / -	- / -	- / -	- / 13.889	
Total													
Total Cost (Procurement + Support + Installation)	24.354	11.887	4.693	3.490	-	3.490	1.066	-	-	-	-	45.490	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7											P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability											Modification Number / Title: 2 / UC003 - PAAA BACKFIT KITS										
Modification Item 1 of 1: UC003 - PAAA BACKFIT KITS																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Raytheon ⁽²⁾														Manufacturer Location: >St. Petersburg, FL																		
Administrative Leadtime <i>(in Months)</i> : 1														Production Leadtime <i>(in Months)</i> : 18																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Jul 2013				Jul 2014																										
Delivery Dates		Mar 2015				Mar 2016																										
Installation Information																																
Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: PAAA BACKFIT KITS																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		2 / 5.153		2 / 2.587		1 / 1.301		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		5 / 9.041						
FY 2013		- / -		- / -		- / 0.292		3 / 3.198		- / -		3 / 3.198		- / -		- / -		- / -		- / -		- / -		- / -		3 / 3.490						
FY 2014		- / -		- / -		- / -		- / 0.292		- / -		- / 0.292		1 / 1.066		- / -		- / -		- / -		- / -		- / -		1 / 1.358						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		2 / 5.153		2 / 2.587		1 / 1.593		3 / 3.490		- / -		3 / 3.490		1 / 1.066		- / -		- / -		- / -		- / -		- / -		9 / 13.889						
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	2	-	-	-	2	-	-	1	-	2	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
Out	2	-	-	-	2	-	-	1	-	2	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	9	
Footnotes: ⁽²⁾ PAAA Backfit Kits are partial systems.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS

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>)	8.593	0.984	3.597	5.878	-	5.878	6.049	5.912	5.618	2.946	-	39.577
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	8.593	0.984	3.597	5.878	-	5.878	6.049	5.912	5.618	2.946	-	39.577
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	8.593	0.984	3.597	5.878	-	5.878	6.049	5.912	5.618	2.946	-	39.577
(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:

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Signal Data Processors (SDP) backfits.

[SIGNAL DATA PROCESSORS (SDP) BACKFITS] Prior Year and FY12 includes funding to procure AN/USG-2B hardware conversion kits. A new cost code (UC013) was created and the funding for the hardware conversion kits has been realigned to this cost code for FY13-18.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability					Modification Number / Title: 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS				
Models of Systems Affected: UC009 SIGNAL DATA PROCESSORS (SDP) BACKFITS				Modification Type: SGAAW					Related RDT&E PEs: 0603755N, 0603658N				
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: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS													
B Kits													
Recurring													
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS - NonOrganic	11 / 8.593	- / -	8 / 1.553	8 / 1.748	- / -	8 / 1.748	2 / 0.446	6 / 1.364	6 / 1.391	- / -	- / -	41 / 15.095	
Subtotal: Recurring	- / 8.593	- / -	- / 1.553	- / 1.748	- / -	- / 1.748	- / 0.446	- / 1.364	- / 1.391	- / -	- / -	- / 15.095	
Subtotal: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	11 / 8.593	- / -	8 / 1.553	8 / 1.748	- / -	8 / 1.748	2 / 0.446	6 / 1.364	6 / 1.391	- / -	- / -	41 / 15.095	
Subtotal: Procurement, All Modification Items	- / 8.593	- / -	- / 1.553	- / 1.748	- / -	- / 1.748	- / 0.446	- / 1.364	- / 1.391	- / -	- / -	- / 15.095	
Installation													
Modification Item 1 of 1: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS	- / 0.000	- / 0.984	- / 2.044	- / 4.130	- / -	- / 4.130	- / 5.603	- / 4.548	- / 4.227	- / 2.946	- / -	- / 24.482	
Subtotal: Installation	- / 0.000	- / 0.984	- / 2.044	- / 4.130	- / -	- / 4.130	- / 5.603	- / 4.548	- / 4.227	- / 2.946	- / -	- / 24.482	
Total													
Total Cost (Procurement + Support + Installation)	8.593	0.984	3.597	5.878	-	5.878	6.049	5.912	5.618	2.946	-	39.577	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7					P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability					Modification Number / Title: 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS			
Modification Item 1 of 1: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Sechan Electronics, Inc. ⁽³⁾							Manufacturer Location: >Lititz, PA						
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		Mar 2014	Mar 2015										
Delivery Dates		Sep 2015	Sep 2016										
Manufacturer Name: TBD							Manufacturer Location: >TBD						
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				Mar 2016	Mar 2017	Mar 2018							
Delivery Dates				Sep 2017	Sep 2018	Sep 2019							
Installation Information													
Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: SIGNAL DATA PROCESSORS (SDP) BACKFITS													
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 / 0.984	3 / 2.044	6 / 4.130	- / 0.000	6 / 4.130	1 / 0.416	- / -	- / -	- / -	- / -	11 / 7.574	
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	8 / 4.003	- / -	- / -	- / -	- / -	8 / 4.003	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.184	8 / 3.627	- / -	- / -	- / -	8 / 4.811	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.921	1 / 0.416	- / -	- / -	2 / 1.337	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.021	- / -	- / -	6 / 3.021	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.790	6 / 2.946	- / -	6 / 3.736	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	- / -	1 / 0.984	3 / 2.044	6 / 4.130	- / -	6 / 4.130	9 / 5.603	9 / 4.548	7 / 4.227	6 / 2.946	- / -	41 / 24.482	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7										P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability										Modification Number / Title: 3 / UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS											
Modification Item 1 of 1: UC009 - SIGNAL DATA PROCESSOR (SDP) BACKFITS																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: SIGNAL DATA PROCESSORS (SDP) BACKFITS																															
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	1	1	3	1	5	1	1	2	2	2	3	2	3	2	2	-	1	1	2	2	-	41
Out	-	-	-	-	1	-	-	-	3	1	1	3	1	5	1	1	2	2	2	3	2	3	2	2	-	1	1	2	2	-	41

Footnotes:
⁽³⁾ The last option year under the current SDP-S Production contract is FY 2015. A competitive follow-on SDP-S Production contract is anticipated to be awarded in FY 2016.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)

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>)	5.295	0.263	2.396	4.739	-	4.739	2.945	2.409	1.359	0.732	-	20.138
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	5.295	0.263	2.396	4.739	-	4.739	2.945	2.409	1.359	0.732	-	20.138
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	5.295	0.263	2.396	4.739	-	4.739	2.945	2.409	1.359	0.732	-	20.138
(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:

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Signal Data Processors (SDP) backfits for AN/USG-2A equipment.

[SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)] Prior Year and FY12 includes funding to procure AN/USG-2B hardware conversion kits. A new cost code (UC014) was created and the funding for the hardware conversion kits has been realigned to this cost code for FY13-18.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability				Modification Number / Title: 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)					
Models of Systems Affected: UC010 SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)				Modification Type: SGAAW				Related RDT&E PEs: 0603755N, 0603658N					
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: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)													
B Kits													
Recurring													
1.1.1) SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A) - NonOrganic	10 / 5.295	- / -	7 / 1.359	3 / 0.655	- / -	3 / 0.655	1 / 0.223	3 / 0.682	1 / 0.232	- / -	- / -	25 / 8.446	
Subtotal: Recurring	- / 5.295	- / -	- / 1.359	- / 0.655	- / -	- / 0.655	- / 0.223	- / 0.682	- / 0.232	- / -	- / -	- / 8.446	
Subtotal: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	10 / 5.295	- / -	7 / 1.359	3 / 0.655	- / -	3 / 0.655	1 / 0.223	3 / 0.682	1 / 0.232	- / -	- / -	25 / 8.446	
Subtotal: Procurement, All Modification Items	- / 5.295	- / -	- / 1.359	- / 0.655	- / -	- / 0.655	- / 0.223	- / 0.682	- / 0.232	- / -	- / -	- / 8.446	
Installation													
Modification Item 1 of 1: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)	- / 0.000	- / 0.263	- / 1.037	- / 4.084	- / -	- / 4.084	- / 2.722	- / 1.727	- / 1.127	- / 0.732	- / -	- / 11.692	
Subtotal: Installation	- / 0.000	- / 0.263	- / 1.037	- / 4.084	- / -	- / 4.084	- / 2.722	- / 1.727	- / 1.127	- / 0.732	- / -	- / 11.692	
Total													
Total Cost (Procurement + Support + Installation)	5.295	0.263	2.396	4.739	-	4.739	2.945	2.409	1.359	0.732	-	20.138	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)

Modification Item 1 of 1: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Sechan Electronics, Inc. ⁽⁴⁾				Manufacturer Location: >Lititz, PA			
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		Mar 2014	Mar 2015				
Delivery Dates		Sep 2015	Sep 2016				
Manufacturer Name: TBD				Manufacturer Location: >TBD			
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				Mar 2016	Mar 2017	Mar 2018	
Delivery Dates				Sep 2017	Sep 2018	Sep 2019	

Installation Information

Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/US

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	- / -	- / 0.263	1 / 1.037	9 / 4.084	- / 0.000	9 / 4.084	- / -	- / -	- / -	- / -	- / -	10 / 5.384
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.196	1 / 0.366	- / -	- / -	- / -	7 / 2.562
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.526	3 / 1.098	- / -	- / -	- / -	3 / 1.624
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.263	1 / 0.366	- / -	- / -	1 / 0.629
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.366	2 / 0.366	- / -	3 / 0.732
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.395	1 / 0.366	- / -	1 / 0.761
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 0.263	1 / 1.037	9 / 4.084	- / -	9 / 4.084	6 / 2.722	4 / 1.727	2 / 1.127	3 / 0.732	- / -	25 / 11.692

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 4 / UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)

Modification Item 1 of 1: UC010 - SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/USG-2A)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: SIGNAL DATA PROCESSORS (SDP) BACKFITS (AN/US

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	2	2	1	2	1	2	1	-	2	-	2	-	1	-	1	1	1	1	-	-	25
Out	-	-	-	-	-	-	1	-	-	4	2	2	1	2	1	2	1	-	2	-	2	-	1	-	1	1	1	1	-	-	25

Footnotes:

⁽⁴⁾ The last option year under the current SDP-S Production contract is FY 2015. A competitive follow-on SDP-S Production contract is anticipated to be awarded in FY 2016.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability	Modification Number / Title: 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD

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	-	-	5.100	-	5.100	3.795	7.730	6.642	22.355	18.640	64.262
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	5.100	-	5.100	3.795	7.730	6.642	22.355	18.640	64.262
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	5.100	-	5.100	3.795	7.730	6.642	22.355	18.640	64.262
<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:

Strike Group Anti-Air Warfare (AAW) Improvement. Funds are for the procurement of Common Array Block (CAB) antennas for shipboard AN/USG-2B systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability					Modification Number / Title: 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD				
Models of Systems Affected: UC012 COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD				Modification Type: SGAAW					Related RDT&E PEs: 0603755N, 0603658N				
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: UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD													
B Kits													
Recurring													
1.1.1) COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD - NonOrganic		- / -	- / -	- / -	3 / 5.100	- / -	3 / 5.100	2 / 3.400	3 / 5.100	3 / 5.100	10 / 17.000	2 / 3.400	23 / 39.100
Subtotal: Recurring		- / 0.000	- / -	- / -	- / 5.100	- / -	- / 5.100	- / 3.400	- / 5.100	- / 5.100	- / 17.000	- / 3.400	- / 39.100
Subtotal: UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD		- / -	- / -	- / -	3 / 5.100	- / -	3 / 5.100	2 / 3.400	3 / 5.100	3 / 5.100	10 / 17.000	2 / 3.400	23 / 39.100
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / -	- / 5.100	- / -	- / 5.100	- / 3.400	- / 5.100	- / 5.100	- / 17.000	- / 3.400	- / 39.100
Installation													
Modification Item 1 of 1: UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.395	- / 2.630	- / 1.542	- / 5.355	- / 15.240	- / 25.162
Subtotal: Installation		- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.395	- / 2.630	- / 1.542	- / 5.355	- / 15.240	- / 25.162
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	-	5.100	-	5.100	3.795	7.730	6.642	22.355	18.640	64.262

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7										P-1 Line Item Number / Title: 2606 / Cooperative Engagement Capability										Modification Number / Title: 5 / UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD											
Modification Item 1 of 1: UC012 - COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: RAYTHEON															Manufacturer Location: >ST. PETERSBURG, FL																
Administrative Leadtime (<i>in Months</i>): 18															Production Leadtime (<i>in Months</i>): 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									
Delivery Dates										Jun 2016				Jun 2017				Jun 2018				Jun 2019									
Installation Information																															
Method of Implementation: ALTERATION INSTALLATION TEAM (AIT) : Installation Name: COMMON ARRAY BLOCK (CAB) ANTENNA - SHIPBOARD																															
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		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.395	3 / 2.498	- / -	- / -	- / -	3 / 2.893																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.132	1 / 1.016	1 / 1.016	- / -	2 / 2.164																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.526	3 / 3.048	- / -	3 / 3.574																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.291	3 / 3.048	3 / 4.339																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 10.160	10 / 10.160																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.032	2 / 2.032																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.395	3 / 2.630	1 / 1.542	4 / 5.355	15 / 15.240	23 / 25.162																		
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	-	-	-	1	1	-	1	2	15	23
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	2	-	-	-	1	1	-	1	2	15	23

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment	P-1 Line Item Number / Title: 2608 / Trusted Information System (TIS)

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0304231N				
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>)	10.347	0.428	0.396	0.324	-	0.324	0.286	0.293	0.298	0.305	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	10.347	0.428	0.396	0.324	-	0.324	0.286	0.293	0.298	0.305	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	10.347	0.428	0.396	0.324	-	0.324	0.286	0.293	0.298	0.305	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Trusted Information System (TIS) Radiant Mercury (RM) system provides the core on-line, automated guarding, sanitization, and transliteration services that provides the United State Navy (USN)'s primary command and control systems with the capability to move data between multiple security domains. RM is a critical component in a wide variety of Navy architectures to include Consolidated Afloat Network Enterprise Services (CANES) and the Maritime Operations Centers (MOC). RM supports numerous programs to include the Navy's Automated Identification System (AIS), Global Command Control Systems-Maritime (GCCS-M), Distributed Common Ground System-Navy (DCGS-N), and Navy Tactical Ranges, Naval Modular Automated Communications System (NAVMACS), and Mobile User Objective System (MUOS). RM architecture provides the capability to move data between security domains in order to maintain Maritime Domain Awareness (MDA) and effectively share information. As the Department of Defense (DoD) Executive Agent for RM the USN also maintains the RM development team, Independent Validation and Verification (IV&V) team, and test facilities for both the DoD and the Intelligence Community. RM is deployed at over 380 sites worldwide with approximately 600 fielded systems. Funds continuous hardware tech refresh at the prime developer and at certification test locations.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Trusted Information System (TIS)	P-40a		-	-	10.347	-	-	0.428	-	-	0.396	-	-	0.324	-	-	-	-	-	0.324
Total Gross/Weapon System Cost			-	-	10.347	-	-	0.428	-	-	0.396	-	-	0.324	-	-	-	-	-	0.324

*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:

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment		P-1 Line Item Number / Title: 2608 / Trusted Information System (TIS)
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0304231N
The FY 2015 budget will procure and field TIS Radiant Mercury shore systems.		

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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 / 02 / 7								P-1 Line Item Number / Title: 2608 / Trusted Information System (TIS)								Aggregated Items Title: Trusted Information System (TIS)				
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) TIS Procurements (JG030)																				
1.1) TIS Ashore Procurements	A		266.229	35	9.318	135.500	2	0.271	145.500	2	0.291	104.500	2	0.209	-	-	-	104.500	2	0.209
Subtotal: 1) TIS Procurements (JG030)			-	-	9.318	-	-	0.271	-	-	0.291	-	-	0.209	-	-	-	-	-	0.209
2) TIS Installations (JG776)																				
2.1) TIS Ashore Installations	A		-	-	1.029	-	-	0.157	-	-	0.105	-	-	0.115	-	-	-	-	-	0.115
Subtotal: 2) TIS Installations (JG776)			-	-	1.029	-	-	0.157	-	-	0.105	-	-	0.115	-	-	-	-	-	0.115
Total			-	-	10.347	-	-	0.428	-	-	0.396	-	-	0.324	-	-	-	-	-	0.324

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment							P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)					
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)	551.694	32.108	15.703	18.192	-	18.192	22.106	17.277	18.062	18.473	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	551.694	32.108	15.703	18.192	-	18.192	22.106	17.277	18.062	18.473	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	551.694	32.108	15.703	18.192	-	18.192	22.106	17.277	18.062	18.473	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.458	0.350	0.462	-	0.462	0.219	0.277	0.296	0.303	Continuing	Continuing
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Naval Tactical Command Support System (NTCSS) is a multi-function program designed to provide standard tactical support information systems to various afloat and associated shore-based fleet activities. The mission is to provide the full range of responsive tactical support Automated Data Processing (ADP) hardware and software in support of the management of information, personnel, material and funds required to maintain and operate ships, submarines, and aircraft. NTCSS is to provide an efficient management of afloat tactical support data, through the use of standardized hardware and software, to meet the mission support information management requirements for force sustainment.

NTCSS incorporates the functionality of the Shipboard Non-Tactical ADP Program (SNAP) systems, the Naval Aviation Logistics Command Management Information System (NALCOMIS), and the Maintenance Resource Management System (MRMS).

SNAP is an automated information system that supports organizational level maintenance, supply, financial and administrative functions on afloat units, at Marine Aviation Logistics Squadrons (MALs) and at associated shore activities. SNAP improves equipment supportability and maintainability and thus readiness through: improvement in the accuracy of maintenance, supply, financial and related support data maintained and reported by the ship; and acceleration of management report preparation and data transmission. The scope of SNAP includes approximately 300 sites.

NALCOMIS is an automated, real time, interactive, management information system that provides a modern management tool for day-to-day management of aircraft maintenance at the organizational and intermediate levels. NALCOMIS automates management of the aviation repairables inventory, providing nose-to-tail tracking through the repair and operations cycles. The scope of NALCOMIS includes 66 aviation intermediate maintenance activities located afloat (CV/LHA/LHD/MALS), at Naval Air Stations (NAS), and approximately 326 Navy and Marine Squadrons.

MRMS is an automated information system that supports ship intermediate maintenance management of the Atlantic and Pacific Fleets. MRMS supports Type Commands, Group Commanders, Area Coordinators, Readiness Support Groups, Submarine Squadrons, Ship Repair Facilities, and various Intermediate Maintenance Activities, both afloat and ashore, for budgeting, planning, production and analysis of ship maintenance. MRMS improves ship readiness through improved maintenance and ship repair management, information resource management, and maintenance data processing. The scope of MRMS includes approximately 16 shipboard and 65 shore based intermediate and maintenance and planning activities.

DY005, Ship Set Equipment Upgrades procures afloat ruggedized, commercial-off-the-shelf (COTS) computing equipment, which includes servers to support the NTCSS application and database, personal computers (PCs) that will interface with the servers for maintenance and supply transactions, and printers to display output. COTS software, which includes the operating system, comes loaded on the servers and PCs.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment												P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
DY006, MALS/Shore Equipment Upgrades procures ashore ruggedized, COTS computing equipment, which includes servers to support the NTCSS application and database, PCs that will interface with the servers for maintenance and supply transactions, and printers to display output. COTS software, which includes the operating system, comes loaded on the servers and PCs.																					

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 - 1 / 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	P-3a		-	-	269.254	-	-	22.021	-	-	10.296	-	-	9.079	-	-	-	-	-	9.079
P-3a - 2 / 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)	P-3a		-	-	282.440	-	-	10.087	-	-	5.407	-	-	9.113	-	-	-	-	-	9.113
Total Gross/Weapon System Cost			-	-	551.694	-	-	32.108	-	-	15.703	-	-	18.192	-	-	-	-	-	18.192

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 - 1 / 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	P-3a		-	-	5.734	-	-	5.908	-	-	5.475	-	-	5.500	Continuing			Continuing		
P-3a - 2 / 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)	P-3a		-	-	16.372	-	-	11.369	-	-	12.587	-	-	12.973	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	22.106	-	-	17.277	-	-	18.062	-	-	18.473	Continuing			Continuing		

*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:
 Funding for FY15 procures: 1) NTCSS system upgrades for ships; 2) NTCSS system upgrades for Naval Air Stations (NAS), Squadrons, Shore Support Facilities, Fleet Training Centers, Marine Aviation Logistics Squadrons (MALS), Navy Expeditionary Combat Command sites, Special Warfare units, and Commander Naval Surface Forces; and 3) necessary production engineering and installation support.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment		P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
NTCSS-Optimized software will continue to be fielded at program-of-record (POR) afloat and ashore sites. Ship set and MALS/Shore equipment upgrades continue; hardware and software upgrades required 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 / 02 / 7				P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)				Modification Number / Title: 1 / 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)			

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>	269.254	22.021	10.296	9.079	-	9.079	5.734	5.908	5.475	5.500	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	269.254	22.021	10.296	9.079	-	9.079	5.734	5.908	5.475	5.500	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	269.254	22.021	10.296	9.079	-	9.079	5.734	5.908	5.475	5.500	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>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Application subsystems include/financial/inventory management, organizational and surface maintenance management, and administrative information systems support. NTCSS procurements will also provide ship capabilities for displaying and storing Computer-aided Acquisition and Logistics Support (CALS) initiative information (digitized engineering drawings, automated technical manuals, etc.).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)				Modification Number / Title: 1 / 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)					
Models of Systems Affected: Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades an				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: 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)													
B Kits													
Recurring													
1.1.1) Equipment - NonOrganic ⁽¹⁾	541 / 138.956	57 / 9.233	50 / 4.202	47 / 4.326	- / -	47 / 4.326	49 / 3.379	56 / 3.249	46 / 3.256	46 / 2.976	Continuing	Continuing	
Subtotal: Recurring	- / 138.956	- / 9.233	- / 4.202	- / 4.326	- / -	- / 4.326	- / 3.379	- / 3.249	- / 3.256	- / 2.976	Continuing	Continuing	
Subtotal: 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	541 / 138.956	57 / 9.233	50 / 4.202	47 / 4.326	- / -	47 / 4.326	49 / 3.379	56 / 3.249	46 / 3.256	46 / 2.976	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 138.956	- / 9.233	- / 4.202	- / 4.326	- / -	- / 4.326	- / 3.379	- / 3.249	- / 3.256	- / 2.976	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 12.846	- / 0.448	- / 0.190	- / 0.260	- / -	- / 0.260	- / 0.202	- / 0.195	- / 0.195	- / 0.179	Continuing	Continuing	
2.2) DSA	- / 4.617	- / 0.389	- / 0.171	- / 0.227	- / -	- / 0.227	- / 0.135	- / 0.158	- / 0.130	- / 0.166	Continuing	Continuing	
Subtotal: Support	- / 17.463	- / 0.837	- / 0.361	- / 0.487	- / -	- / 0.487	- / 0.337	- / 0.353	- / 0.325	- / 0.345	Continuing	Continuing	
Installation													
Modification Item 1 of 1: 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)	- / 112.835	- / 11.951	- / 5.733	- / 4.266	- / -	- / 4.266	- / 2.018	- / 2.306	- / 1.894	- / 2.179	Continuing	Continuing	
Subtotal: Installation	- / 112.835	- / 11.951	- / 5.733	- / 4.266	- / -	- / 4.266	- / 2.018	- / 2.306	- / 1.894	- / 2.179	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	269.254	22.021	10.296	9.079	-	9.079	5.734	5.908	5.475	5.500	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)	Modification Number / Title: 1 / 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)

Modification Item 1 of 1: 2611 Naval Tactical Command Support System Ship Set Equipment Upgrades (DY005)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Spawar Systems Center Atlantic				Manufacturer Location: >Charleston, SC			
Administrative Leadtime (in Months): 1				Production Leadtime (in Months): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012	Nov 2013	Nov 2014				
Delivery Dates	Jan 2013	Jan 2014	Jan 2015				

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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	541 / 112.835	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	541 / 112.835
FY 2013	- / -	57 / 11.951	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	57 / 11.951
FY 2014	- / -	- / -	50 / 5.733	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 5.733
FY 2015	- / -	- / -	- / -	47 / 4.266	- / -	47 / 4.266	- / -	- / -	- / -	- / -	- / -	47 / 4.266
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	49 / 2.018	- / -	- / -	- / -	- / -	49 / 2.018
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	56 / 2.306	- / -	- / -	- / -	56 / 2.306
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 1.894	- / -	- / -	46 / 1.894
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	46 / 2.179	- / -	46 / 2.179
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Total	541 / 112.835	57 / 11.951	50 / 5.733	47 / 4.266	- / -	47 / 4.266	49 / 2.018	56 / 2.306	46 / 1.894	46 / 2.179	Continuing	Continuing

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	538	3	18	18	12	9	12	14	14	10	15	16	16	-	16	16	17	-	18	19	19	-	15	15	16	-	15	15	16	-	892
Out	538	3	18	18	12	9	12	14	14	10	15	16	16	-	16	16	17	-	18	19	19	-	15	15	16	-	15	15	16	-	892

Footnotes:

⁽¹⁾ Between years, the composition of ships changes, i.e., one year may have larger ships like CVNs while another year may consist mainly of SSNs. As a result, the per unit costs are different. Moreover, different ships require different peripherals, which lead to per unit cost differences in that category.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)	Modification Number / Title: 2 / 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)

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>)	282.440	10.087	5.407	9.113	-	9.113	16.372	11.369	12.587	12.973	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	282.440	10.087	5.407	9.113	-	9.113	16.372	11.369	12.587	12.973	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	282.440	10.087	5.407	9.113	-	9.113	16.372	11.369	12.587	12.973	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Application subsystems include/financial/inventory management, organizational and surface maintenance management, and administrative information systems support. NTCSS procurements will also provide ship/shore capabilities for displaying and storing Computer-aided Acquisition and Logistics Support (CALS) initiative information (digitized engineering drawings, automated technical manuals, etc.).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)				Modification Number / Title: 2 / 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)					
Models of Systems Affected: Provides modern centrally-managed mission support Automatic Data Processing (ADP) system upgrades, a				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: 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)													
B Kits													
Recurring													
1.1.1) Equipment - NonOrganic ⁽²⁾	1,147 / 181.161	72 / 3.905	42 / 2.007	47 / 5.349	- / -	47 / 5.349	71 / 9.906	54 / 6.765	66 / 7.255	69 / 7.401	Continuing	Continuing	
Subtotal: Recurring	- / 181.161	- / 3.905	- / 2.007	- / 5.349	- / -	- / 5.349	- / 9.906	- / 6.765	- / 7.255	- / 7.401	Continuing	Continuing	
Subtotal: 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)	1,147 / 181.161	72 / 3.905	42 / 2.007	47 / 5.349	- / -	47 / 5.349	71 / 9.906	54 / 6.765	66 / 7.255	69 / 7.401	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 181.161	- / 3.905	- / 2.007	- / 5.349	- / -	- / 5.349	- / 9.906	- / 6.765	- / 7.255	- / 7.401	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 12.540	- / 0.177	- / 0.091	- / 0.258	- / -	- / 0.258	- / 0.591	- / 0.402	- / 0.444	- / 0.476	Continuing	Continuing	
2.2) DSA	- / 2.290	- / 0.285	- / 0.263	- / 0.090	- / -	- / 0.090	- / 0.158	- / 0.090	- / 0.120	- / 0.150	Continuing	Continuing	
Subtotal: Support	- / 14.830	- / 0.462	- / 0.354	- / 0.348	- / -	- / 0.348	- / 0.749	- / 0.492	- / 0.564	- / 0.626	Continuing	Continuing	
Installation													
Modification Item 1 of 1: 2611 Naval Tactical Command Support System MALs/Shore Equipment Upgrades (DY006)	- / 86.449	- / 5.720	- / 3.046	- / 3.416	- / -	- / 3.416	- / 5.717	- / 4.112	- / 4.768	- / 4.946	Continuing	Continuing	
Subtotal: Installation	- / 86.449	- / 5.720	- / 3.046	- / 3.416	- / -	- / 3.416	- / 5.717	- / 4.112	- / 4.768	- / 4.946	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	282.440	10.087	5.407	9.113	-	9.113	16.372	11.369	12.587	12.973	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)	Modification Number / Title: 2 / 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)

Modification Item 1 of 1: 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Spawar Systems Center Atlantic

Manufacturer Location: >Charleston, SC

Administrative Leadtime (in Months): 1

Production Leadtime (in Months): 2

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012	Nov 2013	Nov 2014				
Delivery Dates	Jan 2013	Jan 2014	Jan 2015				

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
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (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	1,147 / 86.449	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1,147 / 86.449
FY 2013	- / -	72 / 5.720	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	72 / 5.720
FY 2014	- / -	- / -	42 / 3.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 3.046
FY 2015	- / -	- / -	- / -	47 / 3.416	- / -	47 / 3.416	- / -	- / -	- / -	- / -	- / -	47 / 3.416
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	71 / 5.717	- / -	- / -	- / -	- / -	71 / 5.717
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	54 / 4.112	- / -	- / -	- / -	54 / 4.112
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 4.768	- / -	- / -	66 / 4.768
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 4.946	- / -	69 / 4.946
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Total	1,147 / 86.449	72 / 5.720	42 / 3.046	47 / 3.416	- / -	47 / 3.416	71 / 5.717	54 / 4.112	66 / 4.768	69 / 4.946	Continuing	Continuing

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	1,147	-	24	24	24	-	14	14	14	-	15	16	16	-	23	24	24	-	18	18	18	-	22	22	22	-	23	23	23	-	1,568
Out	1,147	-	24	24	24	-	14	14	14	-	15	16	16	-	23	24	24	-	18	18	18	-	22	22	22	-	23	23	23	-	1,568

Footnotes:

⁽²⁾ Between years, the composition of shore site configurations changes, i.e., one year may have more larger sites like MALS/NAS while another year may consist mainly of Squadrons. As a result, the per unit costs are different. Moreover, different shore sites require different peripherals, which lead to per unit cost differences in that category. The average unit cost (AUC) in FY14 reflects procurement of servers

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2611 / Naval Tact Cmd Supt Sys (NTCSS)	Modification Number / Title: 2 / 2611 Naval Tactical Command Support System MALS/Shore Equipment Upgrades (DY006)

for each squadron. The FY15 AUC reflects a change in deployment strategy, wherein the procurements are done for one consolidated site called the NTCSS Virtual Environment (VE), which includes several squadrons.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment							P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)					
ID Code (A=Service Ready, B=Not Service Ready) : B				Program Elements for Code B Items:				Other Related Program Elements: 0205604N				
Line Item MDAP/MAIS Code: 554			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	-	3.836	16.768	-	16.768	28.113	44.276	47.372	46.407	-	186.772
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	3.836	16.768	-	16.768	28.113	44.276	47.372	46.407	-	186.772
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	3.836	16.768	-	16.768	28.113	44.276	47.372	46.407	-	186.772
<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>)	-	-	0.189	0.756	-	0.756	1.108	0.744	0.195	-	-	2.992
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: The Advanced Tactical Data Link Systems (ATDLS) funds the Time Division Multiple Access family of Link 16 terminals including the Multifunctional Information Distribution System - Low Volume Terminal, Joint Tactical Information Distribution System (JTIDS) and the Tactical Digital Information Link - Joint (TADIL-J) message standard databases resident in the Command & Control Processor (C2P)/ Common Data Link Management System (CDLMS). ATDLS funds the Command and Control Processor (C2P) Technology Refresh, NGC2P upgrades to meet LHD combat system upgrades, Link-22 capability upgrades, Link 16 terminal upgrades and replacements, Link 16 antenna replacements, Link Monitoring Management Tool, and other ATDLS integration. Next Generation Command and Control Processor (NGC2P) Field Change Kit Ship/Shore (DR003): The NGC2P Field Change Kit upgrades existing C2P / CDLMS units on ship and shore sites providing a system capable of supporting critical data link functions including simultaneous processing of Link 11, Link 16 and joint range extension (JRE). C2P Technology Refresh Upgrades Ship/Shore (DR003): C2P computer processing boards are obsolete and have antiquated software code with no industrial base support. Technology refresh of obsolete components is required for C2P software modernization. Additionally, C2P configuration is not shock qualified. Equipment upgrades are required to achieve 901D shock certification. Next Generation Command and Control Processor (NGC2P) Amphibious Assault Ship (LHD) Upgrades (DR003): Changes to LHD 1-6 combat systems starting in FY13 will require NGC2P/CDLMS upgrades in order to maintain critical data link functions including simultaneous processing of Link 11, Link 16 and JRE. Link 16 Upgrade Kits Ship/Shore (DR012): Link 16 terminals will be upgraded on U.S. Navy surface platforms. Existing Link 16 Joint Tactical Information Distribution System terminals and Multifunctional Information Distribution System on Ship (MOS) terminals will be implemented with Frequency Remapping (FR) and Crypto Modernization (CM) mandated upgrades. The product improvement will bring the Link 16 terminals in compliance with the Department of Defense / Department of Transportation Memorandum of Agreement (31DEC02) and updated National Security Agency approved cryptographic algorithms. Link 16 MOS Modernization (MOS MOD) Replacement Ship/Shore (DR012): CVN's and critical DDG Ballistic Missile Defense (BMD) mission platforms will have Link 16 terminals replaced with modernized MOS terminals in addition to meeting Frequency Remapping and Crypto Modernization mandated upgrades. Link 16 Antenna Replacement (DR012): Existing obsolete dedicated Link 16 shipboard antenna will be replaced.												

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment												P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)									
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements: 0205604N									
Line Item MDAP/MAIS Code: 554				Item MDAP/MAIS Code(s):																	
Link Monitoring Management Tool (LMMT) Ship/Shore (DR014): LMMT is required to enable Joint Interface Control Officers (JICOs) to effectively monitor and manage the performance of tactical data link networks. Funds procurement and installation of LMMT hardware on ships and shore sites. The Multifunctional Information Distribution System Low Volume Terminal (MIDS-LVT) will also be procured and installed for the CVNs. Advanced Tactical Data Link Systems (ATDLS) Training (DR666): Develop initial end-to-end training curriculum and simulators.																					
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)	
Item - 1 / Adv Tact Data Link Sys (ATDLS)	P-5		-	-	0.000	-	-	-	-	-	3.836	-	-	16.768	-	-	-	-	-	16.768	
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	3.836	-	-	16.768	-	-	-	-	-	16.768	
*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 budget procures Advanced Tactical Data Link Systems command and control equipment for both shipboard and shore units to include Link 16 Network Program JTIDS and MIDS-J hardware and software, Link 16 Network Program Antennas, Command and Control Processor hardware and software, and Link Monitoring Management Tool hardware and software.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy					Date: March 2014	
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7			P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)			Item Number / Title [DODIC]: 1 / Adv Tact Data Link Sys (ATDLS)

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	-	3.836	16.768	-	16.768
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	3.836	16.768	-	16.768
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	3.836	16.768	-	16.768

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

Initial Spares <i>(\$ in Millions)</i>	-	-	0.189	0.756	-	0.756
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</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 (\$ 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)
Flyaway - Adv Tact Data Link Sys (ATDLS) - DR003 C2P Cost																			
Recurring Cost																			
1.1.1) C2P Technology Refresh Full System Ship		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) C2P Technology Refresh Full System Shore ⁽¹⁾		-	-	-	-	-	-	-	-	-	915.000	5	4.575	-	-	-	915.000	5	4.575
1.1.3) LHD Upgrade		-	-	-	-	-	-	-	-	-	662.000	1	0.662	-	-	-	662.000	1	0.662
1.1.4) Link 22 Ship		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) Link 22 Shore		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	5.237	-	-	-	-	-	5.237
Subtotal: Flyaway - Adv Tact Data Link Sys (ATDLS) - DR003 C2P Cost		-	-	0.000	-	-	-	-	-	-	-	-	5.237	-	-	-	-	-	5.237

Flyaway - Adv Tact Data Link Sys (ATDLS) - DR012 LINK 16 Cost																			
Recurring Cost																			
2.1.1) Link 16 JTIDS CM/FR Ship		-	-	-	-	-	-	-	-	-	251.000	3	0.753	-	-	-	251.000	3	0.753
2.1.2) Link 16 JTIDS CM/FR Shore		-	-	-	-	-	-	-	-	-	213.000	5	1.065	-	-	-	213.000	5	1.065
2.1.3) Link 16 MOS CM/FR Ship		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.4) Link 16 MOS CM/FR Shore		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) Link 16 MOS MOD Ship		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)								Item Number / Title [DODIC]: 1 / Adv Tact Data Link Sys (ATDLS)			
Cost Elements	ID CD	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)
2.1.6) Link 16 MOS MOD Shore		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.7) Link 16 Upgrade Antenna		-	-	-	-	-	-	185.000	3	0.555	185.000	3	0.555	-	-	-	185.000	3	0.555
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	0.555	-	-	2.373	-	-	-	-	-	2.373
<i>Subtotal: Flyaway - Adv Tact Data Link Sys (ATDLS) - DR012 LINK 16 Cost</i>		-	-	-	-	-	-	-	-	0.555	-	-	2.373	-	-	-	-	-	2.373
Flyaway - Adv Tact Data Link Sys (ATDLS) - DR014 LINK MONITORING MANAGEMENT TOOL (LMMT) Cost																			
Recurring Cost																			
3.1.1) LMMT Ship (CVN) ⁽²⁾		-	-	-	-	-	-	800.000	2	1.600	-	-	-	-	-	-	-	-	-
3.1.2) LMMT Ship (L Class)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.3) LMMT Shore		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - Adv Tact Data Link Sys (ATDLS) - DR014 LINK MONITORING MANAGEMENT TOOL (LMMT) Cost</i>		-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	-	-	-	-
Flyaway - INSTALLATION - DR776 NON-FMP Cost																			
Recurring Cost																			
4.1.1) C2P Technology Refresh Full System Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) C2P Technology Refresh Full System Shore Design		-	-	-	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
4.1.3) Link 22 Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.4) Link 16 JTIDS CM/FR Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.5) Link 16 JTIDS CM/FR Shore Design		-	-	-	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175
4.1.6) Link 16 MOS CM/FR Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.7) Link 16 MOS CM/FR Shore Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.8) Link 16 MOS MOD Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)								Item Number / Title [DODIC]: 1 / Adv Tact Data Link Sys (ATDLS)			
Cost Elements	ID CD	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)
4.1.9) Link 16 MOS MOD Shore Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.10) LMMT Shore Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.11) LMMT Shore Design		-	-	-	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	0.575	-	-	-	-	-	0.575
<i>Subtotal: Flyaway - INSTALLATION - DR776 NON-FMP Cost</i>		-	-	-	-	-	-	-	-	-	-	-	0.575	-	-	-	-	-	0.575
Flyaway - INSTALLATION - DR777 FMP Cost																			
Recurring Cost																			
5.1.1) NGC2P FCK Install ⁽³⁾		-	-	-	-	-	-	-	-	0.750	-	-	0.255	-	-	-	-	-	0.255
5.1.2) NGC2P FCK Design		-	-	-	-	-	-	-	-	0.061	-	-	0.100	-	-	-	-	-	0.100
5.1.3) C2P Technology Refresh Full System Ship Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.4) C2P Technology Refresh Full System Ship Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) LHD Upgrade Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.6) LHD Upgrade Design		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
5.1.7) Link 22 Ship Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.8) Link 22 Ship Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.9) Link 16 JTIDS CM/FR Ship Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.10) Link 16 JTIDS CM/FR Ship Design		-	-	-	-	-	-	-	-	-	-	-	0.175	-	-	-	-	-	0.175
5.1.11) Link 16 MOS CM/FR Ship Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.12) Link 16 MOS CM/FR Ship Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.13) Link 16 MOS MOD Ship Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.14) Link 16 MOS MOD Ship Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)								Item Number / Title [DODIC]: 1 / Adv Tact Data Link Sys (ATDLS)			
Cost Elements	ID CD	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)
5.1.15) Link 16 Upgrade Antenna Install		-	-	-	-	-	-	-	-	0.191	-	-	0.585	-	-	-	-	-	0.585
5.1.16) Link 16 Upgrade Antenna Design		-	-	-	-	-	-	-	-	0.185	-	-	0.185	-	-	-	-	-	0.185
5.1.17) LMMT Ship (CVN) Install		-	-	-	-	-	-	-	-	-	-	-	0.800	-	-	-	-	-	0.800
5.1.18) LMMT Ship (CVN) Design		-	-	-	-	-	-	-	-	0.320	-	-	-	-	-	-	-	-	-
5.1.19) LMMT Ship (L Class) Install		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.20) LMMT Ship (L Class) Design		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	1.507	-	-	2.300	-	-	-	-	-	2.300
<i>Subtotal: Flyaway - INSTALLATION - DR777 FMP Cost</i>		-	-	-	-	-	-	-	-	1.507	-	-	2.300	-	-	-	-	-	2.300
Support - DR555 PRODUCTION SUPPORT Cost																			
6.1) C2P Technology Refresh Full System Ship Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) C2P Technology Refresh Full System Shore Production Support		-	-	-	-	-	-	-	-	-	-	-	0.200	-	-	-	-	-	0.200
6.3) LHD Upgrade Production Support		-	-	-	-	-	-	-	-	-	-	-	0.061	-	-	-	-	-	0.061
6.4) Link 22 Ship Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.5) Link 22 Shore Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.6) Link 16 JTIDS CM/ FR Ship Production Support		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
6.7) Link 16 JTIDS CM/ FR Shore Production Support		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
6.8) Link 16 MOS CM/FR Ship Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.9) Link 16 MOS CM/ FR Shore Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.10) Link 16 MOS MOD Ship Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2614 / Adv Tact Data Link Sys (ATDLS)								Item Number / Title [DODIC]: 1 / Adv Tact Data Link Sys (ATDLS)			
Cost Elements	ID CD	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)
6.11) Link 16 MOS MOD Shore Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.12) Link 16 Upgrade Antenna Production Support		-	-	-	-	-	-	-	-	0.079	-	-	0.072	-	-	-	-	-	0.072
6.13) LMMT Ship (CVN) Production Support		-	-	-	-	-	-	-	-	0.095	-	-	-	-	-	-	-	-	-
6.14) LMMT Ship (L Class) Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.15) LMMT Shore Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - DR555 PRODUCTION SUPPORT Cost</i>		-	-	-	-	-	-	-	-	0.174	-	-	0.533	-	-	-	-	-	0.533
Support - DR666 ATDLS Training Cost																			
7.1) ATDLS Training ⁽⁴⁾		-	-	-	-	-	-	-	-	-	-	-	5.750	-	-	-	-	-	5.750
<i>Subtotal: Support - DR666 ATDLS Training Cost</i>		-	-	-	-	-	-	-	-	-	-	-	5.750	-	-	-	-	-	5.750
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	3.836	-	-	16.768	-	-	-	-	-	16.768
Remarks: BLI 2614 procures data link components (e.g. circuit cards, routers, antennas, shock mounts, etc.) to replace obsolete ones. There is integration and testing of these components lasting 6-9 months, which causes procurements to be installed in the following fiscal year. Footnotes: (1) FY15 procurements will be considered production ready units post C2P tech refresh SSC PAC independent verification and validation (IV&V). These units will be installed in FY16. (2) FY14 Procurement based on 12-month lead time of MIDS-LVT, which is required for a complete end item of LMMT only on CVN. Same for FY16 and FY17. CVN long lead time based on the purchase of MIDS-LVT. Other LMMT purchases and install do not have long lead times. (3) 1 remaining ship requires 1 Field Change Kit. FY15 dollars are required to complete the pier-side install. (4) ATDLS Training (DR666): Develop initial end-to-end training curriculum and simulators for Advanced Tactical Data Links 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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment						P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)						
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>)	13.304	9.468	7.201	5.219	-	5.219	3.302	2.174	2.723	2.770	11.208	57.369
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	13.304	9.468	7.201	5.219	-	5.219	3.302	2.174	2.723	2.770	11.208	57.369
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	13.304	9.468	7.201	5.219	-	5.219	3.302	2.174	2.723	2.770	11.208	57.369
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.218	0.096	0.082	-	0.082	0.039	0.030	0.032	-	-	0.497
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:												
Funding includes Global Command and Control System-Maritime (GCCS-M), the Navy fielded portions of GCCS-Joint, Joint Automated Deep Operations Coordination System (JADOCS), and Theater Battle Management Core System (TBMCS). GCCS-M is further delineated by Afloat and Ashore.												
GCCS-M is the Maritime implementation of the United States (U.S.) Global Command and Control System (GCCS). It provides Maritime Commanders at all echelons of command with a single, integrated, scalable Command, Control, Communication, Computers and Intelligence (C4I) system that fuses, correlates, filters, maintains and displays location, and attribute information on friendly, hostile and neutral land, sea and air forces. It takes this information and integrates it with available intelligence and environmental information, to support command decision making. It operates in near real-time, constantly updating unit positions and other situational awareness data. GCCS-M also records data in appropriate databases and maintains a history of changes to those records. System operators use the data to construct relevant tactical pictures using maps, charts, topography overlays, oceanographic overlays, meteorological overlays, imagery and all-source intelligence information coordinated into a Common Operational Picture (COP) that can be shared locally and with other sites. GCCS-M is not a weapon system, but receives data from, and interfaces with Navy integrated weapons systems. Navy Commanders review and evaluate the general tactical situation, plan actions and operations, direct forces, synchronize tactical movements, and integrate force maneuver with firepower. GCCS-M operates on General Service (GENSER) Secret networks in a variety of environments and supports joint, coalition and allied forces. GCCS-M is implemented Afloat and at Ashore fixed command centers. Increment 1 includes all GCCS-M software versions 4.0 and earlier. Increment 2 is GCCS-M 4.1.												
[P3A / FA010 GCCS-M Afloat]: GCCS-M Afloat provides Command and Control capability to Force Level Ships (e.g., CVN Carriers, LCC Command Ships, LHA and LHD Amphibious Ships), Unit Level Ships (e.g., CG Cruisers, DDG Destroyers, FFG Frigates, MCM Mine Countermeasure Ships, LPD/LSD Amphibious Ships, LCS Littoral Combat Ships, PC Coastal Patrol Ships), Submarines (e.g., SSN/SSBN/GN Submarines), the Software Support Activity (SSA), and the In-Service Engineering Activity (ISEA).												
[P5 / FA020 GCCS-M Ashore]: GCCS-M Ashore provides evolutionary systems and ancillary equipment upgrades to support Chief of Naval Operations, Combatant Commanders, Unified Commander, Fleet Commanders, Type Commanders, Force Anti-Submarine Warfare Commanders, Submarine Operating Authorities, and Tactical Training Equipment Sites worldwide. GCCS-M Ashore provides systems that receive, process, display, maintain and/or assess unit characteristics, employment scheduling, material condition, combat readiness, war fighting capabilities, and positional information of own, allied, and hostile forces. GCCS-M Ashore provides the tools necessary for Fleet and Shore based commanders to execute plans, transmit tasking, and provide tactical information to subordinate forces.												
[P5 / FA040 GCCS (Joint) Support Equipment]: Global Command and Control System- Joint (GCCS-J) is a Department of Defense (DoD) Program of Record managed by the Defense Information Systems Agency (DISA). The GCCS-J system requirements, software release schedule, and system fielding plan are determined by DISA in coordination with the Joint Staff. GCCS-J supports the Joint Staff and												

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)										
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:								
Combatant Commanders by providing Command, Control, Communication, Computers and Intelligence (C4I) data processing capabilities, including status of forces and support requirements for use in national security decision making, force preparation and operational planning and execution. GCCS-J provides support for Fleet Communications Center interfacing with deployed units and other fixed Fleet and Joint Command Centers.																				
[P5 / FA060 JADOCS]: Provide funding for the fielding of upgraded JADOCS hardware and related software. JADOCS is required to provide the capability to coordinate joint targeting and mission assignment for time sensitive targets and other rapid-response missions across Functional Component Commanders, Joint and Combined Force Commanders, the Geographic Combatant Commands, and Special Operations Command.																				
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)
Item - 1 / Navy Command and Control System (NCCS)	P-5		-	-	5.663	-	-	3.022	-	-	3.401	-	-	2.287	-	-	-	-	-	2.287
P-3a - 1 / FA010/FA777 GCCS-M Afloat	P-3a		-	-	7.641	-	-	6.446	-	-	3.800	-	-	2.932	-	-	-	-	-	2.932
Total Gross/Weapon System Cost			-	-	13.304	-	-	9.468	-	-	7.201	-	-	5.219	-	-	-	-	-	5.219
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)
Item - 1 / Navy Command and Control System (NCCS)	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / FA010/FA777 GCCS-M Afloat	P-3a		-	-	1.840	-	-	0.861	-	-	0.715	-	-	0.721	-	-	11.208	-	-	36.164
Total Gross/Weapon System Cost			-	-	3.302	-	-	2.174	-	-	2.723	-	-	2.770	-	-	11.208	-	-	57.369
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				
Justification: The FY15 budget procures GCCS-J and GCCS-M Ashore workstations, servers, Local Area Network (LAN) hardware and software, communications equipment and GCCS-M initial software licenses.																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)	Item Number / Title [DODIC]: 1 / Navy Command and Control System (NCCS)

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>)	5.663	3.022	3.401	2.287	-	2.287	-	-	-	-	-	-
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.663	3.022	3.401	2.287	-	2.287	-	-	-	-	-	-
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.663	3.022	3.401	2.287	-	2.287	-	-	-	-	-	-

(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.

Cost Elements	ID CD	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)
Flyaway - FA020 GCCS-M Ashore Cost																			
Recurring Cost																			
1.1.1) GCCS-M Increment 2 Ashore ⁽¹⁾		260.500	2	0.521	416.000	2	0.832	407.667	3	1.223	386.000	1	0.386	-	-	-	386.000	1	0.386
Subtotal: Recurring Cost		-	-	0.521	-	-	0.832	-	-	1.223	-	-	0.386	-	-	-	-	-	0.386
Subtotal: Flyaway - FA020 GCCS-M Ashore Cost		-	-	0.521	-	-	0.832	-	-	1.223	-	-	0.386	-	-	-	-	-	0.386
Flyaway - FA040 GCCS (Joint) Support Equipment Cost																			
Recurring Cost																			
2.1.1) GCCS (Joint) Support Equipment ⁽²⁾		187.375	16	2.998	131.333	6	0.788	174.000	4	0.696	127.833	6	0.767	-	-	-	127.833	6	0.767
Subtotal: Recurring Cost		-	-	2.998	-	-	0.788	-	-	0.696	-	-	0.767	-	-	-	-	-	0.767
Subtotal: Flyaway - FA040 GCCS (Joint) Support Equipment Cost		-	-	2.998	-	-	0.788	-	-	0.696	-	-	0.767	-	-	-	-	-	0.767
Flyaway - FA060 JADOCS Cost																			
Recurring Cost																			
3.1.1) JADOCS - Full		-	-	0.000	-	-	-	20.800	5	0.104	21.000	2	0.042	-	-	-	21.000	2	0.042
3.1.2) JADOCS - Lite		-	-	0.000	-	-	-	3.333	9	0.030	3.429	7	0.024	-	-	-	3.429	7	0.024
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	0.134	-	-	0.066	-	-	-	-	-	0.066
Subtotal: Flyaway - FA060 JADOCS Cost		-	-	0.000	-	-	-	-	-	0.134	-	-	0.066	-	-	-	-	-	0.066
Flyaway - FA666 Training Curriculum Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)						Item Number / Title [DODIC]: 1 / Navy Command and Control System (NCCS)						
Cost Elements	ID CD	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)
Non Recurring Cost																			
4.1.1) GCCS-M Increment 2 Ashore Training Curriculum		-	-	0.000	-	-	0.527	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	0.000	-	-	0.527	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - FA666 Training Curriculum Cost		-	-	0.000	-	-	0.527	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - INSTALLATIONS - FA776 Non FMP Cost																			
Recurring Cost																			
5.1.1) GCCS-M Increment 2 Ashore		-	-	0.200	-	-	0.168	-	-	0.291	-	-	0.081	-	-	-	-	-	0.081
5.1.2) GCCS-M Ashore Pre-Installation Design		-	-	0.000	-	-	0.140	-	-	0.140	-	-	0.057	-	-	-	-	-	0.057
5.1.3) GCCS (Joint) Support Equipment		-	-	1.636	-	-	0.373	-	-	0.372	-	-	0.444	-	-	-	-	-	0.444
5.1.4) GCCS-J Pre-Installation Design		-	-	0.256	-	-	0.131	-	-	0.162	-	-	0.180	-	-	-	-	-	0.180
5.1.5) JADOCS Installation		-	-	0.000	-	-	-	-	-	0.280	-	-	0.240	-	-	-	-	-	0.240
Subtotal: Recurring Cost		-	-	2.092	-	-	0.812	-	-	1.245	-	-	1.002	-	-	-	-	-	1.002
Subtotal: Flyaway - INSTALLATIONS - FA776 Non FMP Cost		-	-	2.092	-	-	0.812	-	-	1.245	-	-	1.002	-	-	-	-	-	1.002
Support - FA555 Production Support Cost																			
6.1) GCCS (Joint) Production Engineering Support		-	-	0.052	-	-	0.039	-	-	0.035	-	-	0.040	-	-	-	-	-	0.040
6.2) GCCS-M Increment 2 Ashore Production Support		-	-	0.000	-	-	0.024	-	-	0.061	-	-	0.023	-	-	-	-	-	0.023
6.3) JADOCS Production Support		-	-	0.000	-	-	-	-	-	0.007	-	-	0.003	-	-	-	-	-	0.003
Subtotal: Support - FA555 Production Support Cost		-	-	0.052	-	-	0.063	-	-	0.103	-	-	0.066	-	-	-	-	-	0.066
Gross/Weapon System Cost		-	-	5.663	-	-	3.022	-	-	3.401	-	-	2.287	-	-	-	-	-	2.287

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)						Item Number / Title [DODIC]: 1 / Navy Command and Control System (NCCS)						
Cost Elements	ID CD	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)
Flyaway - FA020 GCCS-M Ashore Cost																			
Recurring Cost																			
1.1.1) GCCS-M Increment 2 Ashore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - FA020 GCCS-M Ashore Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - FA040 GCCS (Joint) Support Equipment Cost																			
Recurring Cost																			
2.1.1) GCCS (Joint) Support Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - FA040 GCCS (Joint) Support Equipment Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - FA060 JADOCS Cost																			
Recurring Cost																			
3.1.1) JADOCS - Full		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) JADOCS - Lite		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - FA060 JADOCS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - FA666 Training Curriculum Cost																			
Non Recurring Cost																			
4.1.1) GCCS-M Increment 2 Ashore Training Curriculum		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - FA666 Training Curriculum Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - INSTALLATIONS - FA776 Non FMP Cost																			
Recurring Cost																			
5.1.1) GCCS-M Increment 2 Ashore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) GCCS- M Ashore Pre- Installation Design		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) GCCS (Joint) Support Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)								Item Number / Title [DODIC]: 1 / Navy Command and Control System (NCCS)			
Cost Elements	ID CD	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)
5.1.4) GCCS-J Pre-Installation Design		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.5) JADOCS Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - INSTALLATIONS - FA776 Non FMP Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - FA555 Production Support Cost																			
6.1) GCCS (Joint) Production Engineering Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) GCCS-M Increment 2 Ashore Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) JADOCS Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - FA555 Production Support Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(1) Unit costs are based on the average cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site.

(2) GCCS-J Quantities represent the number of complete unit upgrades to existing systems. The cost to upgrade each unit varies based on the number of servers, computers, and monitors and the equipment configurations. The different unit sizes and configurations result in varying unit costs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)				Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat			

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>)	7.641	6.446	3.800	2.932	-	2.932	1.840	0.861	0.715	0.721	11.208	36.164
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.641	6.446	3.800	2.932	-	2.932	1.840	0.861	0.715	0.721	11.208	36.164
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.641	6.446	3.800	2.932	-	2.932	1.840	0.861	0.715	0.721	11.208	36.164
(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:

GCCS-M provides Maritime Commanders at all echelons of command with a single, integrated, scalable C4I system that fuses, correlates, filters, maintains and displays location, and attribute information on friendly, hostile and neutral land, sea and air forces. It takes this information and integrates it with available intelligence and environmental information, to support command decision making. It operates in near real-time, constantly updating unit positions and other situational awareness data. GCCS-M also records data in appropriate databases and maintains a history of changes to those records. System operators use the data to construct relevant tactical pictures using maps, charts, topography overlays, oceanographic overlays, meteorological overlays, imagery and all-source intelligence information coordinated into a Common Operational Picture (COP) that can be shared locally and with other sites. GCCS-M is not a weapon system, but receives data from, and interfaces with Navy integrated weapons systems. Navy Commanders review and evaluate the general tactical situation, plan actions and operations, direct forces, synchronize tactical movements, and integrate force maneuver with firepower.

GCCS-M Increment 1 Afloat Unit level provide software / hardware for DDG, CG, LCS, LPD, LSD, PC, MCM, SSN, SSBN, SSGN and FFG Classes. Increment 1 can deliver a software / hardware solution or a software-only solution.

GCCS-M Increment 2 Afloat Unit Level is the final version of GCCS-M for DDG, CG, LCS, LPD, LSD, PC, MCM, SSN, SSBN, SSGN and FFG classes. Increment 2 delivers a software-only solution.

GCCS-M Increment 1 Afloat Force Level provide software / hardware for CVN, LHA, LHD, and LCC classes. Increment 1 can deliver a software / hardware solution or a software-only solution.

GCCS-M Increment 2 Afloat Force Level is the final version of GCCS-M for CVN, LHA, LHD, and LCC classes. Increment 2 delivers a software-only solution.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)				Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604231N					
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: FA010/FA777 GCCS-M Afloat													
B Kits													
Recurring													
1.1) GCCS-M Increment 1 Afloat Unit Level - NonOrganic ⁽³⁾	18 / 1.980	40 / 2.982	29 / 0.031	2 / 0.002	- / -	2 / 0.002	- / -	- / -	- / -	- / -	- / -	89 / 4.995	
1.2) GCCS-M Increment 2 Afloat Unit Level - NonOrganic ⁽⁴⁾	- / -	- / -	8 / 0.008	17 / 0.019	- / -	17 / 0.019	9 / 0.010	10 / 0.011	3 / 0.003	5 / 0.006	105 / 0.119	157 / 0.176	
1.3) GCCS-M Increment 1 Afloat Force Level - NonOrganic ⁽⁵⁾	- / -	- / -	1 / 0.007	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.007	
1.4) GCCS-M Increment 2 Afloat Force Level - NonOrganic ⁽⁶⁾	4 / 1.600	3 / 1.200	- / -	5 / 0.037	- / -	5 / 0.037	4 / 0.031	- / -	2 / 0.015	1 / 0.008	4 / 0.033	23 / 2.924	
Subtotal: Recurring	- / 3.580	- / 4.182	- / 0.046	- / 0.058	- / -	- / 0.058	- / 0.041	- / 0.011	- / 0.018	- / 0.014	- / 0.152	- / 8.102	
Subtotal: FA010/FA777 GCCS-M Afloat	22 / 3.580	43 / 4.182	38 / 0.046	24 / 0.058	- / -	24 / 0.058	13 / 0.041	10 / 0.011	5 / 0.018	6 / 0.014	109 / 0.152	270 / 8.102	
Subtotal: Procurement, All Modification Items	- / 3.580	- / 4.182	- / 0.046	- / 0.058	- / -	- / 0.058	- / 0.041	- / 0.011	- / 0.018	- / 0.014	- / 0.152	- / 8.102	
Installation													
Modification Item 1 of 1: FA010/FA777 GCCS-M Afloat	- / 4.061	- / 2.264	- / 3.754	- / 2.874	- / -	- / 2.874	- / 1.799	- / 0.850	- / 0.697	- / 0.707	- / 11.056	- / 28.062	
Subtotal: Installation	- / 4.061	- / 2.264	- / 3.754	- / 2.874	- / -	- / 2.874	- / 1.799	- / 0.850	- / 0.697	- / 0.707	- / 11.056	- / 28.062	
Total													
Total Cost (Procurement + Support + Installation)	7.641	6.446	3.800	2.932	-	2.932	1.840	0.861	0.715	0.721	11.208	36.164	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7											P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)											Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat										
Modification Item 1 of 1: FA010/FA777 GCCS-M Afloat																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: SSC Atlantic/Pacific ⁽⁷⁾														Manufacturer Location: >SPAWAR																		
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 2																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Nov 2012				Nov 2013				Nov 2014																						
Delivery Dates		Jan 2013				Jan 2014				Jan 2015																						
Installation Information																																
Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 1 Afloat Unit Level																																
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		18 / 3.021		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 3.021								
FY 2013		- / -		40 / 1.638		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		40 / 1.638								
FY 2014		- / -		- / -		29 / 3.098		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		29 / 3.098								
FY 2015		- / -		- / -		- / -		2 / 0.160		- / -		2 / 0.160		- / -		- / -		- / -		- / -		- / -		2 / 0.160								
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		18 / 3.021		40 / 1.638		29 / 3.098		2 / 0.160		- / -		2 / 0.160		- / -		- / -		- / -		- / -		- / -		89 / 7.917								
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	16	2	11	11	15	3	13	11	4	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	
Out	16	2	11	11	15	3	13	11	4	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	89	
Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 2 Afloat Unit Level																																
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		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)	Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat

Modification Item 1 of 1: FA010/FA777 GCCS-M Afloat

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 2 Afloat Unit Level

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	- / -	- / -	8 / 0.418	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.418
FY 2015	- / -	- / -	- / -	17 / 1.619	- / -	17 / 1.619	- / -	- / -	- / -	- / -	- / -	17 / 1.619
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	9 / 0.909	- / -	- / -	- / -	- / -	9 / 0.909
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.850	- / -	- / -	- / -	10 / 0.850
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.251	- / -	- / -	3 / 0.251
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.476	- / -	5 / 0.476
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	105 / 10.105	105 / 10.105
Total	- / -	- / -	8 / 0.418	17 / 1.619	- / -	17 / 1.619	9 / 0.909	10 / 0.850	3 / 0.251	5 / 0.476	105 / 10.105	157 / 14.628

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	3	2	1	4	6	4	3	4	3	2	-	3	1	5	1	1	1	1	-	-	-	5	105	157
Out	-	-	-	-	-	-	2	3	2	1	4	6	4	3	4	3	2	-	3	1	5	1	1	1	1	-	-	-	5	105	157

Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 1 Afloat Force Level

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 / 0.238	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.238
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	1 / 0.238	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.238

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Exhibit P-3a, Individual Modification: PB 2015 Navy																			Date: March 2014												
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7										P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)										Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat											
Modification Item 1 of 1: FA010/FA777 GCCS-M Afloat																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 1 Afloat Force Level																															
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Method of Implementation: [none specified] : Installation Name: GCCS-M Increment 2 Afloat Force Level																															
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						4 / 1.040		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.040			
FY 2013						- / -		3 / 0.626		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 0.626			
FY 2014						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2015						- / -		- / -		- / -		5 / 1.095		- / -		5 / 1.095		- / -		- / -		- / -		- / -		- / -		5 / 1.095			
FY 2016						- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.890		- / -		- / -		- / -		- / -		4 / 0.890			
FY 2017						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -			
FY 2018						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.446		- / -		- / -		2 / 0.446			
FY 2019						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.231		- / -		1 / 0.231			
To Complete						- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.951		4 / 0.951			
Total						4 / 1.040		3 / 0.626		- / -		5 / 1.095		- / -		5 / 1.095		4 / 0.890		- / -		2 / 0.446		1 / 0.231		4 / 0.951		23 / 5.279			
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	-	-	-	-	-	2	2	1	-	3	1	-	-	-	-	-	-	1	-	1	-	1	-	-	4	23
Out	4	-	1	1	1	-	-	-	-	-	2	2	1	-	3	1	-	-	-	-	-	-	1	-	1	-	1	-	-	4	23
Footnotes:																															
(3) GCCS-M Increment 1 Afloat Unit Level: - Quantities refer to Unit Level ships and submarines. GCCS-M Afloat Unit level install quantities also include refresh units. - Units installed are software-only installations (the software was developed with Research, Development, Test & Evaluation, Navy). Other Procurement, Navy (OPN) is the appropriate fund source when the GCCS-M installation is an incidental cost to the Common Computing Environment (CCE)/CANES hardware installation. - Unit Level encompasses both Unit Level and Group Level procurement / installations. - Unit costs are based on the average																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2618 / Navy Command and Control System (NCCS)	Modification Number / Title: 1 / FA010/FA777 GCCS-M Afloat
cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site. - First quarter afloat installations are budgeted for with prior year funds. (4) GCCS-M Increment 2 Afloat Unit Level: - Quantities refer to Unit Level ships and submarines. GCCS-M Afloat Unit level install quantities also include refresh units. - Units installed are software-only installations (the software was developed with Research, Development, Test & Evaluation, Navy). Other Procurement, Navy (OPN) is the appropriate fund source when the GCCS-M installation is an incidental cost to the Common Computing Environment (CCE)/CANES hardware installation. - Unit Level encompasses both Unit Level and Group Level procurement / installations. - Unit costs are based on the average cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site. - First quarter afloat installations are budgeted for with prior year funds. (5) GCCS-M Increment 1 Afloat Force Level: - Quantities refer to Force Level ships. GCCS-M Afloat Force level install quantities also include refresh units. - Units installed are software-only installations (the software was developed with Research, Development, Test & Evaluation, Navy). Other Procurement, Navy (OPN) is the appropriate fund source when the GCCS-M installation is an incidental cost to the Common Computing Environment (CCE)/CANES hardware installation. - Unit costs are based on the average cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site. - First quarter afloat installations are budgeted for with prior year funds. (6) GCCS-M Increment 2 Afloat Force Level: - Quantities refer to Force Level ships. GCCS-M Afloat Force level install quantities also include refresh units. - Units installed are software-only installations (the software was developed with Research, Development, Test & Evaluation, Navy). Other Procurement, Navy (OPN) is the appropriate fund source when the GCCS-M installation is an incidental cost to the Common Computing Environment (CCE)/CANES hardware installation. - Unit costs are based on the average cost of all the platforms or sites installed within a given fiscal year. Unit cost variances are due to the diverse types of upgrade requirements per platform or site. - First quarter afloat installations are budgeted for with prior year funds. (7) Space and Naval Warfare Systems Command Systems Center (SPAWARSYSCEN), Pacific and Atlantic are procuring and integrating agents. There are multiple hardware and software contracts awarded under each cost code.		

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment	P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement

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>)	466.913	39.826	51.400	42.108	-	42.108	71.996	60.845	61.580	62.870	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	466.913	39.826	51.400	42.108	-	42.108	71.996	60.845	61.580	62.870	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	466.913	39.826	51.400	42.108	-	42.108	71.996	60.845	61.580	62.870	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>)	-	-	0.236	0.653	-	0.653	0.591	0.830	0.829	-	-	3.139
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:

Provide systems, subsystems, and engineering change kits for minehunting, navigation, and tactical display operations by the surface Mine Countermeasure (MCM) force. Engineering change kits improve reliability and maintainability and correct deficiencies to allow equipment to perform in accordance with operational requirements.

[P5 /]: The AN/WLD-1(V)1 Remote Minehunting System (RMS) is a mine reconnaissance system designed for the detection, classification, identification, and localization of bottom and moored targets in shallow and deep water. RMS is a fully integrated system consisting of a semi-submersible Remote Multi-Mission Vehicle (RMMV) carrying a towed variable depth sensor. Line-Of-Sight (LOS) and Over-The-Horizon (OTH) telemetry provides vehicle Command and Control and mine reconnaissance sensor data transmission to/from a system aboard a Navy ship. RMS will provide the Navy the capability to keep ships and sailors out of the minefield.

[P5 - 2 /]: This program replaces the hydraulic actuator with an electromagnetic actuator designed to eliminate inherent problems with MCM class ships Bow Thruster.

[P5 - 2 /]: This program will install an inverter electric motor on the magnetic cable reel, acoustic cable reel, minesweeping winch and self contained hydraulic power unit on the stern crane.*

*Note: Aft Deck equipment upgrade is a high priority of the MCM Task Force and MCM Operational Advisory Group.

[P5 - 2 /]: The 400Hz Motor Generator (MG) sets currently onboard the MCMs are mechanically unreliable. Funding will replace the existing 400 Hz MG sets with Static Frequency Converters (SFCs) to eliminate inherent problems with existing systems.

[P5 - 2 /]: This program funds software integration and hardware upgrades to the MCM-1 class ships' ISCS. Ship Change upgrades computer workstations, replaces network switches, and replaces the operating system.

[P5 - 3 /]: The MCM Combat System Upgrades program consists of a series of incremental upgrades to the current combat system via Engineering Change Kits. The upgrades improve reliability and maintainability and correct deficiencies to allow the equipment to perform in accordance with operational requirements. The current planned upgrades include:

- Acoustic Sweep Replacement - replace the TB-26 and TB-27 with the Advanced Acoustic Generator/Infrasonic Advanced Acoustic Generator (AAG/IAAG) TB-30/TB-31 to solve obsolescence problems, reduce aft deck weight and improve performance.
- AN/SQQ-32 Sonar Data Recorder - upgrade the minehunting sonar on MCM ships, which will provide the capability to record, playback, display, detect and classify data for sonar contact recognition training.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement										
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:								
- MCM Communication Upgrade - upgrade and modernization of the communications systems for MCM ships. - Supportability Engineering Changes - upgrade and modernization of the combat systems upgrade to reduce emergent obsolescence and supportability issues such as OK520 Hydraulic Power Unit (HPU), SQQ-32 touch panel, SLQ-48 Power Distribution Unit (PDU), AN/SLQ-60, and upgrade C2 system to bring ECDISN and resolve obsolescence issues and provide a standard Mine Countermeasure Navigation Command and Control (NAVCC) upgrade. - Mine Neutralization System (MNS) is a replacement to the existing AN/SLQ-48 Mine Neutralization System. The current program replaces the AN/SLQ-48 with MNS on the 14 MCM Avenger Class Ships. - MEDAL Expeditionary Systems - Installation of MEDAL onboard MCM Ships and to ashore MEDAL users. May include installation to upgrade GCCS-M 3.x to 4.x hardware on MCM 1-4 and 15 Chief, MEDAL EA mobile servers (expeditionary) installation on afloat units including MCM 2-4, 6-14 and LCS. - Global Command and Control System Maritime (GCCS-M) - Installation of GCCS-M onboard MCM Ships. - Battle Space Profiler (BSP) - Consists of improvements to MCM Ships' sonar which provide a current profile, a Hydro-Optics package, and a Bottom Sediment Classifier. [P5 - 3 /]: AN/SQQ-32(V)4 High Frequency Wide Band is a technology upgrade to the SQQ-32 Towed Body which will incorporate HFWB technology into the detection sonar to address performance deficiencies against new mine threats in the littorals. This upgrade will be installed on MCM-1 Class ships with the SQQ-32(V)3 and will have new transducer modules, fiber optic cable and modified topside processing and display software. [P5 - 3 / PNNCM - MINE COUNTERMEASURES MAP SYSTEM]: Additional high-speed, high resolution sidescan sonar systems that provide deeper tows, longer range, and higher resolution than existing systems are required to meet Fleet requirements supporting Mine Warfare (MIW) operations. The procurement will facilitate collection of high resolution imagery at MIW resolutions and acoustic frequencies. The imagery data is required to generate products that directly support mine warfare. This environmental data is critical in the detection of small mine-like targets as well as hazards-to-navigation (e.g. wrecks) and characterizing the seafloor over large areas (geoprovincing). This data is used in change-detection programs to compare with any new data collected from the Fleet that will aid in the assessment and determination of mine-threats and significantly reduced clearance time. [P5 - 4 /]: Unmanned Surface Sweep System (US3) (LV080): This line item procures the training units to support the US3 operational units procured for the Littoral Combat Ship Mission Modules. US3 consists of a power supply, control unit, winch, acoustic generator, magnetic tow cable, deploy and retrieve subsystem. Unmanned Surface Vehicle Flight 1 (USV) combines the US3 with a USV which creates the Unmanned Influence Sweep System (UISS) onboard the Littoral Combat Ship (LCS) class of ships. US3 will provide long endurance and wide area magnetic and acoustic mine sweep capability. [P5 - 5 /]: This program provides both CONUS and Forward-Area signature measurement capabilities for mine susceptibility assessments, calibrates the ship's degaussing systems, effectiveness of acoustic quiet bills, database archiving and data analysis of Class-wide signatures. [P5 - 5 /]: This program is for hardware, auxiliary systems and support in association with the upgrade of the current aging CONUS and OCONUS Magnetic Silencing Facilities (MSF) so the calibration of the new Open-Loop Magnetic Systems or Advanced Degaussing System (ADS) ships and submarines can be accomplished for worldwide operation. The upgrade will also ensure that the ships/submarines will be able to meet OPNAV 8950.2G signature requirements and will be less susceptible to Electro-Magnetic threat systems.																				
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)
Item - 1 / REMOTE MINEHUNTING SYSTEM	P-5		-	-	108.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement										
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 (\$ 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)
Item - 2 / HME SHIP SYSTEMS	P-5		-	-	40.960	-	-	3.232	-	-	7.040	-	-	9.088	-	-	-	-	-	9.088
Item - 3 / MINE COUNTERMEASURES	P-5		-	-	211.538	-	-	21.706	-	-	29.934	-	-	17.779	-	-	-	-	-	17.779
Item - 4 / UNMANNED SYSTEMS [UNMAN]	P-5		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item - 5 / OTHER SYSTEMS [OTHER]	P-5		-	-	106.362	-	-	14.888	-	-	14.426	-	-	15.241	-	-	-	-	-	15.241
Total Gross/Weapon System Cost			-	-	466.913	-	-	39.826	-	-	51.400	-	-	42.108	-	-	-	-	-	42.108
*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: AN/SLQ-60 Mine Neutralization System (MNS) procurements provides the re-newed neutralization capability on the MCM ships and replaces the aging SLQ-48 Systems. MNS procurements are critical to support the neutralization capability on MCM Class Ships as this requirement is the top priority in both 5th Fleet (Manama, Bahrain) and 7th Fleet (Sasebo, Japan). The unreliability of the current shipboard neutralization system coupled with new threats in theater mandates a replacement neutralization capability for these ships. A tech refresh is necessary to procure material and install the ISCS upgrades in two MCMs forward deployed to Sasebo, Japan. Alteration SCD 78356 will upgrade five computer workstations, replace network switches, and replace the Windows NT operating system with Windows 7. Legacy sustainment will not provide the necessary support because the workstations and network hardware are beyond their intended service lives. In addition, the operating system is not supported by the provider. Parts obsolescence results in procurement delays of urgent warfighting upgrades for deployed ships. Specifically, there is an increased risk of loss of core propulsion, electric and auxiliary plant functionality. ISCS legacy sustainment inhibits MCM capability to get underway to conduct missions in a region of the world that is of vital strategic importance to the United States. Therefore, a tech refresh is necessary to support the MCM mine hunting and minesweeping capability whereas legacy sustainment is not feasible and would result in delays and obsolescence. This alteration has been identified as a priority because this capability is only found in the MCMs. The MCM Readiness Task Force Report identified implementation of this alteration as the #3 priority and the MCM Operational Advisory Group Brief identified implementation of this alteration as the #7 priority MCM alteration.																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement								Item Number / Title [DODIC]: 1 / REMOTE MINEHUNTING SYSTEM						
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>					108.053			-			-			-			-			-	
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Net Procurement (P1) <i>(\$ in Millions)</i>					108.053			-			-			-			-			-	
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Total Obligation Authority <i>(\$ in Millions)</i>					108.053			-			-			-			-			-	
(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.																					
Cost Elements		ID CD	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)	
Hardware - LV064 - REMOTE MINEHUNTING SYSTEM Cost																					
Non Recurring Cost																					
1.1.1) VARIABLE DEPTH SENSOR (VDS AN/AQS-20A)			-	-	22.973	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.2) PRODUCTION ENGINEERING			-	-	3.672	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.3) REMOTE MINEHUNTING VEHICLE (RMV)			66,251.000	1	66.251	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.4) MOD/PROD			-	-	1.402	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.5) CONSULTING SERVICES			-	-	0.329	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.6) RMS PES			-	-	12.633	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
1.1.7) LV900 - RMS Consulting Services			-	-	0.793	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Non Recurring Cost			-	-	108.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Hardware - LV064 - REMOTE MINEHUNTING SYSTEM Cost			-	-	108.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Gross/Weapon System Cost			-	-	108.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7						P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 2 / HME SHIP SYSTEMS						
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>					40.960		3.232		7.040		9.088		-		9.088				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					40.960		3.232		7.040		9.088		-		9.088				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					40.960		3.232		7.040		9.088		-		9.088				
(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.																			
Cost Elements	ID CD	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)
Hardware - LV081 - BOW THRUSTER IMPROVEMENT Cost																			
Recurring Cost																			
1.1.1) BOW THRUSTER IMPROVEMENT		-	-	3.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	3.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - LV081 - BOW THRUSTER IMPROVEMENT Cost		-	-	3.958	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - LV082 - AFT DECK EQUIPMENT UPGRADE Cost																			
Recurring Cost																			
2.1.1) AFT DECK EQUIPMENT UPGRADE		-	-	27.510	-	-	2.060	-	-	3.500	-	-	5.499	-	-	-	-	-	5.499
Subtotal: Recurring Cost		-	-	27.510	-	-	2.060	-	-	3.500	-	-	5.499	-	-	-	-	-	5.499
Subtotal: Hardware - LV082 - AFT DECK EQUIPMENT UPGRADE Cost		-	-	27.510	-	-	2.060	-	-	3.500	-	-	5.499	-	-	-	-	-	5.499
Hardware - LV084 - 400HZ Cost																			
Non Recurring Cost																			
3.1.1) 400HZ		-	-	3.994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	3.994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - LV084 - 400HZ Cost		-	-	3.994	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Software - LV073 - MCM/MHC INTEGRATED SHIP CONTROL SYSTEM Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement						Item Number / Title [DODIC]: 2 / HME SHIP SYSTEMS					
Cost Elements	ID CD	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)
Recurring Cost																			
4.1.1) SOFTWARE INTEGRATION		-	-	5.498	-	-	1.172	-	-	3.540	-	-	3.589	-	-	-	-	-	3.589
Subtotal: Recurring Cost		-	-	5.498	-	-	1.172	-	-	3.540	-	-	3.589	-	-	-	-	-	3.589
Subtotal: Software - LV073 - MCM/MHC INTEGRATED SHIP CONTROL SYSTEM Cost		-	-	5.498	-	-	1.172	-	-	3.540	-	-	3.589	-	-	-	-	-	3.589
Gross/Weapon System Cost		-	-	40.960	-	-	3.232	-	-	7.040	-	-	9.088	-	-	-	-	-	9.088

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 3 / MINE COUNTERMEASURES								
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>					211.538			21.706			29.934			17.779			-			17.779		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					211.538			21.706			29.934			17.779			-			17.779		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					211.538			21.706			29.934			17.779			-			17.779		
(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.																						
Cost Elements		ID CD	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)		
Hardware - LV075 - MCM COMBAT SYSTEMS UPGRADES Cost																						
Recurring Cost																						
1.1.1) MCM COMBAT SYSTEMS			-	-	135.144	-	-	1.495	-	-	20.815	-	-	6.079	-	-	-	-	-	6.079		
1.1.2) MCM COMBAT SYSTEM PES			-	-	2.461	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
1.1.3) LV900 - MCM COMBAT SYSTEMS Consulting Services			-	-	1.732	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	139.337	-	-	1.495	-	-	20.815	-	-	6.079	-	-	-	-	-	6.079		
Subtotal: Hardware - LV075 - MCM COMBAT SYSTEMS UPGRADES Cost			-	-	139.337	-	-	1.495	-	-	20.815	-	-	6.079	-	-	-	-	-	6.079		
Hardware - LV078 - AN/SQQ-30(V)4 HFWB Cost																						
Recurring Cost																						
2.1.1) AN/ SQQ-32(V)4 HFWB			5,970.000	9	53.730	5,737.000	3	17.211	-	-	-	-	-	-	-	-	-	-	-			
2.1.2) AN/ SQQ-32(V)4 HFWB Integration			2,527.750	4	10.111	-	-	3.000	3,039.667	3	9.119	3,300.000	3	9.900	-	-	-	3,300.000	3	9.900		
2.1.3) H/W AND S/W ECP			-	-	0.000	-	-	-	-	-	-	-	-	0.865	-	-	-	-	-	0.865		
2.1.4) PRODUCTION ENGINEERING			-	-	2.748	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.5) EDM REFURBISHMENT			-	-	3.848	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	70.437	-	-	20.211	-	-	9.119	-	-	10.765	-	-	-	-	-	10.765		

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 3 / MINE COUNTERMEASURES					
Cost Elements	ID CD	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)
Subtotal: Hardware - LV078 - AN/SQQ-30(V)4 HFWB Cost		-	-	70.437	-	-	20.211	-	-	9.119	-	-	10.765	-	-	-	-	-	10.765
Hardware - PNNCM - MINE COUNTERMEASURES MAP SYSTEM Cost																			
Recurring Cost																			
3.1.1) PNNCM - MINE COUNTERMEASURES MAP SYSTEM (BSO 60)		588.000	3	1.764	-	-	-	-	-	-	467.500	2	0.935	-	-	-	467.500	2	0.935
Subtotal: Recurring Cost		-	-	1.764	-	-	-	-	-	-	-	-	0.935	-	-	-	-	-	0.935
Subtotal: Hardware - PNNCM - MINE COUNTERMEASURES MAP SYSTEM Cost		-	-	1.764	-	-	-	-	-	-	-	-	0.935	-	-	-	-	-	0.935
Gross/Weapon System Cost		-	-	211.538	-	-	21.706	-	-	29.934	-	-	17.779	-	-	-	-	-	17.779

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7						P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 4 / UNMANNED SYSTEMS [UNMAN]						
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		-		-		-		-		-				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					0.000		-		-		-		-		-				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					0.000		-		-		-		-		-				
(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 Thousands)</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 (\$ 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)
Hardware - LV079 - SMCM UUV W/LFBB (Knifefish) Cost																			
Recurring Cost																			
1.1.1) SMCM UUV (Knifefish)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.2) Ancillary Equipment		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.1.3) Production Engineering		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - LV079 - SMCM UUV W/LFBB (Knifefish) Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - LV080 - UNMANNED SURFACE SWEEP SYSTEM (US3) Cost																			
Recurring Cost																			
2.1.1) US3 Trainers		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.2) PRODUCTION ENGINEERING		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.1.3) US3 P3I		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - LV080 - UNMANNED SURFACE SWEEP SYSTEM (US3) Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - LV090 Unmanned Surface Vehicle Flight 2 Cost																			
Recurring Cost																			
3.1.1) USV Flight 2		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 4 / UNMANNED SYSTEMS [UNMAN]					
Cost Elements	ID CD	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)
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - LV090 Unmanned Surface Vehicle Flight 2 Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System 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 / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 5 / OTHER SYSTEMS [OTHER]								
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>					106.362			14.888			14.426			15.241			-			15.241		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					106.362			14.888			14.426			15.241			-			15.241		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					106.362			14.888			14.426			15.241			-			15.241		
(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.																						
Cost Elements	ID CD	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)			
Hardware - LV083 - AIMS Cost																						
Non Recurring Cost																						
1.1.1) AIMS			-	-	7.574	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Non Recurring Cost			-	-	7.574	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Hardware - LV083 - AIMS Cost			-	-	7.574	-	-	2.000	-	-	-	-	-	-	-	-	-	-	-			
Hardware - LV085 - MAGNETIC SILENCING FACILITY UPGRADES Cost																						
Recurring Cost																						
2.1.1) MSF PEARL HARBOR TREATMENT UPGRADE			11,244.000	1	11.244	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.2) MSF NORFOLK TREATMENT UPGRADE			-	-	14.457	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.3) MSF MEASUREMENT SYSTEM UPGRADE			31,211.000	1	31.211	-	-	8.371	-	-	14.426	-	-	15.241	-	-	-	-	15.241			
2.1.4) PRODUCTION ENGINEERING			-	-	34.513	-	-	4.517	-	-	-	-	-	-	-	-	-	-	-			
2.1.5) MAGNETIC SILENCING FACILITY UPGRADES			-	-	5.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	97.077	-	-	12.888	-	-	14.426	-	-	15.241	-	-	-	-	15.241			

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2622 / Minesweeping System Replacement							Item Number / Title [DODIC]: 5 / OTHER SYSTEMS [OTHER]					
Cost Elements	ID CD	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)
Subtotal: Hardware - LV085 - MAGNETIC SILENCING FACILITY UPGRADES Cost		-	-	97.077	-	-	12.888	-	-	14.426	-	-	15.241	-	-	-	-	-	15.241
Hardware - LVCA1 - SEA BOTTOM MAPPING Cost																			
Non Recurring Cost																			
3.1.1) SEA BOTTOM MAPPING		-	-	1.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	1.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - LVCA1 - SEA BOTTOM MAPPING Cost		-	-	1.711	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	106.362	-	-	14.888	-	-	14.426	-	-	15.241	-	-	-	-	-	15.241

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment							P-1 Line Item Number / Title: 2624 / Shallow Water Mine CM Ship					
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>)	29.326	6.399	8.548	-	-	-	18.277	10.006	9.492	6.088	-	88.136
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	29.326	6.399	8.548	-	-	-	18.277	10.006	9.492	6.088	-	88.136
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	29.326	6.399	8.548	-	-	-	18.277	10.006	9.492	6.088	-	88.136
<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>)	-	-	0.077	-	-	-	0.751	0.629	-	-	-	1.457
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 a combination of US Navy projects planned to counter the threat to amphibious landing forces from known and projected foreign land/sea mines, obstacles in the beach zone and surf zone approaches to amphibious assault areas. It is a system of systems (Countermines/Counter Obstacle, Intelligence/Surveillance/Reconnaissance/Targeting (ISR/T), Navigation/Virtual Marking/Integration, C4I/Data Fusion) to provide a full assault breaching capability. This program is an essential element to the Marine Corps Ship To Objective Maneuver (STOM) Concept of Operations. [P5 / SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE]: Landing Craft Utility (LCU) Navigation Upgrade (SW003): Modernize the navigation system to enable safe transit through the breached lane. [P5 / SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA)]: Coastal Battlefield Reconnaissance and Analysis (COBRA) (SW004): The Intelligence, Surveillance, Reconnaissance/Targeting (ISR/T) part of the Assault Breaching System (ABS) of systems. One system consists of two Airborne Mine Counter Measures (AMCM) Payloads and one Post Mission Analysis (PMA) Station. Under the umbrella of evolutionary acquisition, three increments of development are planned. Block I introduces a daytime, surface laid minefield and obstacle detection capability for the Beach Zone. Block II adds a surfzone and night (darkness) detection capability. Block III adds a buried mine detection capability and on-board Near-Real-Time processing of Multi Spectral Imagery data. COBRA will be a modular payload architecture of, and integrated with, the MQ-8B Fire Scout Vertical Takeoff and Landing Unmanned Aerial Vehicle (VTUAV) and will serve as a "detect" sensor within the Littoral Combat Ship (LCS) Mine Warfare mission package. [P5 / SW005: AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE]: Amphibious Assault Vehicle (AAV) Navigation Upgrade (SW005): Modernize the Landing Craft Units' (LCUs) navigation system to enable precise transit through the breached lane. [P5 / SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE]: Landing Craft Air Cushion (LCAC) Autopilot Upgrade (SW061): An integrated improvement to the LCAC (Service Life Extension Program (SLEP) craft only) navigation system for craft control that allows precise navigation and hovering within the breached lane. (Upgrade software and backfit.)												

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2624 / Shallow Water Mine CM Ship													
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)			
Item - 1 / Shallow Water Mine CM Ship	P-5		-	-	29.326	-	-	6.399	-	-	8.548	-	-	-	-	-	-	-	-	-			
Total Gross/Weapon System Cost			-	-	29.326	-	-	6.399	-	-	8.548	-	-	-	-	-	-	-	-	-			
*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 / 02 / 7							P-1 Line Item Number / Title: 2624 / Shallow Water Mine CM Ship						Item Number / Title [DODIC]: 1 / Shallow Water Mine CM Ship									
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>					29.326			6.399			8.548			-			-			-		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					29.326			6.399			8.548			-			-			-		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					29.326			6.399			8.548			-			-			-		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			-			0.077			-			-			-		
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 - SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE Cost																						
Recurring Cost																						
1.1.1) LCU NAVIGATION UPGRADES			-	-	1.479	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	1.479	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Hardware - SW003: LANDING CRAFT UTILITY (LCU) NAVIGATION UPGRADE Cost			-	-	1.479	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Hardware - SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA) Cost																						
Recurring Cost																						
2.1.1) SW0041 COBRA BLOCK 1			-	-	3.267	-	-	-	8,359K	1	8.359	-	-	-	-	-	-	-	-			
2.1.2) SW00411 COBRA BLOCK 1 SPARES, TRAINING			-	-	2.034	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.3) SW00411 COBRA BLOCK 1 MOD UPGRADES			-	-	13.462	-	-	5.994	-	-	-	-	-	-	-	-	-	-	-			
2.1.4) SW0042 COBRA BLOCK 2			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
2.1.5) SW0042 COBRA BLOCK 2 MOD UPGRADES			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Subtotal: Recurring Cost			-	-	18.763	-	-	5.994	-	-	8.359	-	-	-	-	-	-	-	-			

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2624 / Shallow Water Mine CM Ship							Item Number / Title [DODIC]: 1 / Shallow Water Mine CM Ship						
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 - SW004: COASTAL BATTLEFIELD RECONNAISSANCE AND ANALYSIS (COBRA) Cost																					
Hardware - SW005: AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE Cost																					
Recurring Cost																					
3.1.1) AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE																					
Subtotal: Recurring Cost																					
Subtotal: Hardware - SW005: AMPHIBIOUS ASSAULT VEHICLE NAVIGATION UPGRADE Cost																					
Hardware - SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE Cost																					
Recurring Cost																					
4.1.1) LCAC AUTOPILOT UPGRADES																					
Subtotal: Recurring Cost																					
Subtotal: Hardware - SW061: LANDING CRAFT AIR CUSHION (LCAC) AUTOPILOT UPGRADE Cost																					
Support - SW830: PRODUCTION ENGINEERING Cost																					
5.1) PRODUCTION ENGINEERING																					
Subtotal: Support - SW830: PRODUCTION ENGINEERING Cost																					
Gross/Weapon System Cost																					
Remarks: [Hardware] Acquisition strategy change for Block I and II - ONR sole source.																					

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment						P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)						
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>)	164.580	9.515	11.765	15.232	-	15.232	14.348	15.155	18.876	21.992	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	164.580	9.515	11.765	15.232	-	15.232	14.348	15.155	18.876	21.992	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	164.580	9.515	11.765	15.232	-	15.232	14.348	15.155	18.876	21.992	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>)	-	-	-	0.161	-	0.161	0.106	0.014	0.030	-	-	0.311
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: NAVSTAR Global Positioning System (NAVSTAR GPS) provides assured and protected navigation solutions to war fighters through supported, affordable, and integrated systems, and is the primary source of positioning, navigation and timing information for the DoD.												
[P5 / (1R009) Navigation Sensor System Interface (NAVSSI) FMP]: NAVSSI procurement and installation is required to provide GPS and other positioning, navigation and timing sensor data to ship-board command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR), combat, and weapons systems. NAVSSI performs the full functions of collection, integration, calculation, and distribution of positioning, navigation and timing data. Precision positioning, navigation, and timing data is required to allow a common and correlated ship-to-ship tactical and operational picture. NAVSSI FMP are large three-rack systems procured for first time installation on LHD platforms.												
[P5 / (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit]: NAVSSI procurement and installation is required to provide GPS and other positioning, navigation and timing sensor data to ship-board command, control, communications, computers, intelligence, surveillance and reconnaissance (C4ISR), combat, and weapons systems. NAVSSI performs the full functions of collection, integration, calculation, and distribution of positioning, navigation and timing data. Precision positioning, navigation, and timing data is required to allow a common and correlated ship-to-ship tactical and operational picture. NAVSSI Retrofit are two-rack systems procured for upgrades on LPD and DDG platforms.												
[P5 / (1R018) Defense Advance GPS Receiver (DAGR)]: DAGR is a GPS handheld receiver replacing the obsolete Precision Lightweight GPS Receiver (PLGR). DAGR is a Selected Availability/Anti-Spoofing Module (SAASM)-compliant handheld GPS receiver. The GPS Joint Program Office is the procuring office for the purchase of DAGRs for U.S. forces.												
[P5 / (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS)]: Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) will be a single program of record satisfying U.S. Navy surface and subsurface platforms as well as potential U.S. Coast Guard and Foreign Military customers. GPNTS will meet current and emerging Positioning, Navigation and Timing (PNT) requirements of the fleet by providing modernized pervasive, robust, secure, integrated, and interoperable net centric capabilities to surface and subsurface platforms. GPNTS will be designed to accommodate back fit of current legacy PNT systems and forward fit for new platforms. The GPNTS system will be a replacement of the GPS Versa Module Euro card Receiver Card , the AN/WRN-6(V), and the Navigation Sensor System Interface (NAVSSI). The GPNTS system will provide an end to end PNT solution. The system will include the SAASM receiver card as well as an anti-jam GPS antenna. Future capabilities will migrate toward a Common Computing Environment such as Consolidated Afloat Networks Enterprise Services (CANES).												

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment	P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)

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

[P3A / (1R0013) Navigation Warfare (NAVWAR) Installation]: NAVWAR ensures that U. S. military forces maintain access to the GPS in an electronically challenging battle space, delivers the capability to deny adversaries access to and use of GPS during military operations, and serves to preserve the peaceful use of GPS. Navy GPS Enhanced User Equipment (UE) Operational Requirements Document directs that future UE will incorporate an increased anti-jam capability. NAVWAR counters the threat by increasing resistance to intentional or unintentional interference. Sea NAVWAR Strategy comprises of 2 program increments, the first increment (near term) is to install GPS anti-jam antennas system (GAS-1) on surface platforms. The second increment (long term) is to install Advanced Digital Antenna Production (ADAP) antennas on surface platforms. The ADAP antenna improves upon GAS-1 performance by providing simultaneous dual frequency nulling, and built in test ability. The Capabilities Production Document for NAVWAR Increment 2 dated December 2008 was approved to support ADAP antenna development. Procurement and installation of anti-jam GPS antennas and modernized user equipment is required to ensure the continuation of GPS signals from space in a hostile jamming environment. The Sea NAVWAR program will equip selected ships with anti-jam GPS antennas to ensure the continued availability of GPS to support surface combat operations and provide reliable GPS and other positioning, navigation and timing data to ship-board C4ISR, Combat, and Weapons Systems.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item - 1 / NAVSTAR GPS Receivers (Space)	P-5		-	-	134.061	-	-	5.476	-	-	6.466	-	-	9.878	-	-	-	-	-	9.878
P-3a - 1 / (1R0013) Navigation Warfare (NAVWAR) Installation	P-3a		-	-	30.519	-	-	4.039	-	-	5.299	-	-	5.354	-	-	-	-	-	5.354
Total Gross/Weapon System Cost			-	-	164.580	-	-	9.515	-	-	11.765	-	-	15.232	-	-	-	-	-	15.232

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item - 1 / NAVSTAR GPS Receivers (Space)	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / (1R0013) Navigation Warfare (NAVWAR) Installation	P-3a		-	-	6.021	-	-	4.987	-	-	5.732	-	-	5.486	-	-	-	-	-	67.437
Total Gross/Weapon System Cost			-	-	14.348	-	-	15.155	-	-	18.876	-	-	21.992	Continuing			Continuing		

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

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

Justification:

Navigation Sensor System Interface (NAVSSI, FMP and Retrofit) - NAVSSI will continue procurement of retrofits in FY15 to support fleet requirements.

Navigation Warfare (NAVWAR) - Sea NAVWAR will continue procurement of system quantities in FY15.

Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) - GPNTS will begin procurement of System Low Rate Initial Procurement (LRIP) quantities 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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment		P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)
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-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity:				P-1 Line Item Number / Title:						Item Number / Title [DODIC]:									
1810N / 02 / 7				2657 / NAVSTAR GPS Receivers (Space)						1 / NAVSTAR GPS Receivers (Space)									
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>		134.061	5.476	6.466	9.878	-	9.878	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		134.061	5.476	6.466	9.878	-	9.878	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		134.061	5.476	6.466	9.878	-	9.878	-	-	-	-	-	-						
(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.																			
Cost Elements	ID CD	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)
Flyaway - (1R009) Navigation Sensor System Interface (NAVSSI) FMP Cost																			
Recurring Cost																			
1.1.1) Navigation Sensor System Interface (NAVSSI) FMP		339.664	134	45.515	999.000	1	0.999	1,856.000	1	1.856	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	45.515	-	-	0.999	-	-	1.856	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R009) Navigation Sensor System Interface (NAVSSI) FMP Cost		-	-	45.515	-	-	0.999	-	-	1.856	-	-	-	-	-	-	-	-	-
Flyaway - (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit Cost																			
Recurring Cost																			
2.1.1) Navigation Sensor System Interface (NAVSSI) Retrofit		139.789	90	12.581	905.000	2	1.810	982.000	2	1.964	938.000	2	1.876	-	-	-	938.000	2	1.876
Subtotal: Recurring Cost		-	-	12.581	-	-	1.810	-	-	1.964	-	-	1.876	-	-	-	-	-	1.876
Subtotal: Flyaway - (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit Cost		-	-	12.581	-	-	1.810	-	-	1.964	-	-	1.876	-	-	-	-	-	1.876
Flyaway - (1R018) Defense Advance GPS Receiver (DAGR) 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 / 02 / 7								P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)							Item Number / Title [DODIC]: 1 / NAVSTAR GPS Receivers (Space)				
Cost Elements	ID CD	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)
3.1.1) Defense Advance GPS Receiver (DAGR) ⁽¹⁾		3.240	774	2.508	3.366	101	0.340	3.444	72	0.248	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	2.508	-	-	0.340	-	-	0.248	-	-	-	-	-	-	-	-	-
<i>Subtotal: Flyaway - (1R018) Defense Advance GPS Receiver (DAGR) Cost</i>		-	-	2.508	-	-	0.340	-	-	0.248	-	-	-	-	-	-	-	-	-
Flyaway - (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) Cost																			
Recurring Cost																			
4.1.1) GPNTS		-	-	0.000	-	-	-	-	-	-	522.000	6	3.132	-	-	-	522.000	6	3.132
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	3.132	-	-	-	-	-	3.132
<i>Subtotal: Flyaway - (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) Cost</i>		-	-	0.000	-	-	-	-	-	-	-	-	3.132	-	-	-	-	-	3.132
Flyaway - (1R777) FMP Install - NAVSTAR GPS Ship Cost																			
Recurring Cost																			
5.1.1) NAVSSI FMP ⁽²⁾		-	-	41.145	-	-	1.028	-	-	-	-	-	1.292	-	-	-	-	-	1.292
5.1.2) NAVSSI Retrofit ⁽³⁾		-	-	12.588	-	-	0.926	-	-	1.807	-	-	1.910	-	-	-	-	-	1.910
5.1.3) GPNTS		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	53.733	-	-	1.954	-	-	1.807	-	-	3.202	-	-	-	-	-	3.202
<i>Subtotal: Flyaway - (1R777) FMP Install - NAVSTAR GPS Ship Cost</i>		-	-	53.733	-	-	1.954	-	-	1.807	-	-	3.202	-	-	-	-	-	3.202
Support - (1R555) Production Support Cost																			
6.1) NAVSSI FMP Production Support		-	-	8.190	-	-	-	-	-	0.107	-	-	-	-	-	-	-	-	-
6.2) NAVSSI Retrofit Production Support		-	-	4.063	-	-	0.083	-	-	0.110	-	-	0.121	-	-	-	-	-	0.121
6.3) DAGR Production Support		-	-	0.129	-	-	0.021	-	-	0.012	-	-	-	-	-	-	-	-	-
6.4) GPNTS Production Support		-	-	0.000	-	-	-	-	-	-	-	-	0.188	-	-	-	-	-	0.188
<i>Subtotal: Support - (1R555) Production Support Cost</i>		-	-	12.382	-	-	0.104	-	-	0.229	-	-	0.309	-	-	-	-	-	0.309
Support - (1R777) FMP DSA - NAVSTAR GPS Ship Cost																			
7.1) NAVSSI FMP		-	-	4.348	-	-	0.082	-	-	0.104	-	-	0.096	-	-	-	-	-	0.096
7.2) NAVSSI Retrofit		-	-	2.994	-	-	0.187	-	-	0.258	-	-	0.225	-	-	-	-	-	0.225
7.3) GPNTS		-	-	0.000	-	-	-	-	-	-	-	-	1.038	-	-	-	-	-	1.038

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 02 / 7							2657 / NAVSTAR GPS Receivers (Space)							1 / NAVSTAR GPS Receivers (Space)					
Cost Elements	ID CD	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)
Subtotal: Support - (1R777) FMP DSA - NAVSTAR GPS Ship Cost		-	-	7.342	-	-	0.269	-	-	0.362	-	-	1.359	-	-	-	-	-	1.359
Gross/Weapon System Cost		-	-	134.061	-	-	5.476	-	-	6.466	-	-	9.878	-	-	-	-	-	9.878
Cost Elements	ID CD	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)
Flyaway - (1R009) Navigation Sensor System Interface (NAVSSI) FMP Cost																			
Recurring Cost																			
1.1.1) Navigation Sensor System Interface (NAVSSI) FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R009) Navigation Sensor System Interface (NAVSSI) FMP Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit Cost																			
Recurring Cost																			
2.1.1) Navigation Sensor System Interface (NAVSSI) Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R011) Navigation Sensor System Interface (NAVSSI) Retrofit Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - (1R018) Defense Advance GPS Receiver (DAGR) Cost																			
Recurring Cost																			
3.1.1) Defense Advance GPS Receiver (DAGR)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R018) Defense Advance GPS Receiver (DAGR) Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) 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 / 02 / 7								P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)								Item Number / Title [DODIC]: 1 / NAVSTAR GPS Receivers (Space)			
Cost Elements	ID CD	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)
4.1.1) GPNTS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R019) Global Positioning System (GPS) - based Positioning, Navigation & Timing Service (GPNTS) Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - (1R777) FMP Install - NAVSTAR GPS Ship Cost																			
Recurring Cost																			
5.1.1) NAVSSI FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) NAVSSI Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.3) GPNTS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - (1R777) FMP Install - NAVSTAR GPS Ship Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (1R555) Production Support Cost																			
6.1) NAVSSI FMP Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) NAVSSI Retrofit Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.3) DAGR Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.4) GPNTS Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (1R555) Production Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (1R777) FMP DSA - NAVSTAR GPS Ship Cost																			
7.1) NAVSSI FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) NAVSSI Retrofit		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) GPNTS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - (1R777) FMP DSA - NAVSTAR GPS Ship Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Footnotes: (1) 1R018 DAGR/GPS Handhelds unit cost variances based on projected joint service component group buys at GPS Directorate-LAAFB to include the basic unit & accessories (min/max \$3K/\$4K). (2) 1R777 NAVSSI FMP FY13 and FY15 installation costs are due to first in flight procurement and integration for LHD-1 and LHD-2. Unique configuration and additional capability required to support LHD capstone combat system upgrade. NAVSSI procurement has an additional 4 month integration requirement after delivery.																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)	Item Number / Title [DODIC]: 1 / NAVSTAR GPS Receivers (Space)
⁽³⁾ 1R777 NAVSSI Retrofit installation costs vary greatly; dependent on ship class and install location.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7	P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)	Modification Number / Title: 1 / (1R0013) Navigation Warfare (NAVWAR) Installation

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>)	30.519	4.039	5.299	5.354	-	5.354	6.021	4.987	5.732	5.486	-	67.437
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	30.519	4.039	5.299	5.354	-	5.354	6.021	4.987	5.732	5.486	-	67.437
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	30.519	4.039	5.299	5.354	-	5.354	6.021	4.987	5.732	5.486	-	67.437
(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:

Procurement and installation of anti-jam GPS user equipment and prevention equipment is required to ensure the continued utility of GPS signals from space in a hostile jamming environment. The NAVWAR program will equip selected ships with anti-jam GPS antennas to ensure the continued availability of GPS to support surface combat operations and provide reliable GPS and other navigation sensor data to ship-board C4ISR, Combat, and Weapons Systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)				Modification Number / Title: 1 / (1R0013) Navigation Warfare (NAVWAR) Installation					
Models of Systems Affected: Shore Stations, Ships				Modification Type: Upgrade				Related RDT&E PEs: 0604777N					
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: (1R0013) Navigation Warfare (NAVWAR) Installation													
B Kits													
Recurring													
1.1.1) NAVWAR (GAS1, ADAP) - NonOrganic ⁽⁴⁾	324 / 16.411	14 / 1.780	15 / 4.043	12 / 3.397	- / -	12 / 3.397	13 / 4.105	11 / 3.325	14 / 3.949	11 / 3.239	- / -	414 / 40.249	
Subtotal: Recurring	- / 16.411	- / 1.780	- / 4.043	- / 3.397	- / -	- / 3.397	- / 4.105	- / 3.325	- / 3.949	- / 3.239	- / -	- / 40.249	
Subtotal: (1R0013) Navigation Warfare (NAVWAR) Installation	324 / 16.411	14 / 1.780	15 / 4.043	12 / 3.397	- / -	12 / 3.397	13 / 4.105	11 / 3.325	14 / 3.949	11 / 3.239	- / -	414 / 40.249	
Subtotal: Procurement, All Modification Items	- / 16.411	- / 1.780	- / 4.043	- / 3.397	- / -	- / 3.397	- / 4.105	- / 3.325	- / 3.949	- / 3.239	- / -	- / 40.249	
Support (All Modification Items)													
2.1) Production Support	- / 2.920	- / 0.115	- / 0.254	- / 0.207	- / -	- / 0.207	- / 0.246	- / 0.199	- / 0.237	- / 0.195	- / -	- / 4.373	
2.2) Engineering Change: Inc 1 - Gas1 Filters	119 / 1.167	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	119 / 1.167	
2.3) DSA - FMP	- / 1.596	- / 0.584	- / 0.312	- / 0.468	- / -	- / 0.468	- / 0.638	- / 0.304	- / 0.391	- / 0.590	- / -	- / 4.883	
Subtotal: Support	- / 5.683	- / 0.699	- / 0.566	- / 0.675	- / -	- / 0.675	- / 0.884	- / 0.503	- / 0.628	- / 0.785	- / -	- / 10.423	
Installation													
Modification Item 1 of 1: (1R0013) Navigation Warfare (NAVWAR) Installation	- / 8.425	- / 1.560	- / 0.690	- / 1.282	- / -	- / 1.282	- / 1.032	- / 1.159	- / 1.155	- / 1.462	- / -	- / 16.765	
Subtotal: Installation	- / 8.425	- / 1.560	- / 0.690	- / 1.282	- / -	- / 1.282	- / 1.032	- / 1.159	- / 1.155	- / 1.462	- / -	- / 16.765	
Total													
Total Cost (Procurement + Support + Installation)	30.519	4.039	5.299	5.354	-	5.354	6.021	4.987	5.732	5.486	-	67.437	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7				P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)				Modification Number / Title: 1 / (1R0013) Navigation Warfare (NAVWAR) Installation				
Modification Item 1 of 1: (1R0013) Navigation Warfare (NAVWAR) Installation												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: RAYTHEON SYSTEMS LTD.						Manufacturer Location: >HARLOW-UNITED KINGDOM						
Administrative Leadtime (<i>in Months</i>): 8						Production Leadtime (<i>in Months</i>): 9						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Jun 2013											
Delivery Dates	Mar 2014											
Manufacturer Name: RAYTHEON SYSTEMS LTD						Manufacturer Location: >HARLOW-UNITED KINGDOM						
Administrative Leadtime (<i>in Months</i>): 4						Production Leadtime (<i>in Months</i>): 9						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Feb 2014	Feb 2015									
Delivery Dates		Nov 2014	Nov 2015									
Installation Information												
Method of Implementation: Tiger Team : Installation Name: NAVWAR Inc 1 - GAS1, Inc 2 - ADAP												
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	400 / 8.425	43 / 1.560	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	443 / 9.985
FY 2013	- / -	- / -	14 / 0.690	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 0.690
FY 2014	- / -	- / -	- / -	15 / 1.282	- / -	15 / 1.282	- / -	- / -	- / -	- / -	- / -	15 / 1.282
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.032	- / -	- / -	- / -	- / -	12 / 1.032
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.159	- / -	- / -	- / -	13 / 1.159
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.155	- / -	- / -	11 / 1.155
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.462	- / -	14 / 1.462
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / -	11 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	400 / 8.425	43 / 1.560	14 / 0.690	15 / 1.282	- / -	15 / 1.282	12 / 1.032	13 / 1.159	11 / 1.155	14 / 1.462	11 / -	533 / 16.765

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7										P-1 Line Item Number / Title: 2657 / NAVSTAR GPS Receivers (Space)										Modification Number / Title: 1 / (1R0013) Navigation Warfare (NAVWAR) Installation											
Modification Item 1 of 1: (1R0013) Navigation Warfare (NAVWAR) Installation																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Tiger Team : Installation Name: NAVWAR Inc 1 - GAS1, Inc 2 - ADAP																															
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	400	4	-	9	23	7	11	2	1	-	3	7	4	1	9	-	2	1	2	7	4	-	4	4	3	-	5	5	4	11	533
Out	400	-	4	-	9	23	7	11	2	1	-	3	7	4	1	9	-	2	1	2	7	4	-	4	4	3	-	5	5	15	533

Footnotes:

(4) a) NAVWAR INC2 ADAP/ADAP FOAL unit costs are affected by estimated exchange rate (units procured from Raytheon Sys. Ltd in the United Kingdom), inflation, group purchase pricing fluctuations with GPS Antennas Program Office, Robins AFB GA and hardware configurations for ADAP & ADAP Fiber Optic Antenna Link (FOAL) and component kits. b) INC2 ADAP FOAL Shipsets include two ADAP FOAL Antennas & two Component Kits with relation to the procurement and installation of a Shipset.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment							P-1 Line Item Number / Title: 2666 / American Forces Radio and TV Service (AFRTS)					
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)	14.903	5.043	6.483	4.524	-	4.524	6.276	6.411	6.547	6.692	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	14.903	5.043	6.483	4.524	-	4.524	6.276	6.411	6.547	6.692	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	14.903	5.043	6.483	4.524	-	4.524	6.276	6.411	6.547	6.692	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	0.397	0.005	-	0.005	-	-	-	-	-	0.402
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:

K0001: American Forces Radio and Television Service (AFRTS) Program - AFRTS shipboard systems provide command information to deployed Sailors and Marines, and allow for the distribution of AFRTS programming in order to provide situational awareness for forward deployed commanders with real-time news and information. The systems also provide programming to Sailors and Marines at sea worldwide as a Navy Quality of Life (QOL) initiative, staying in compliance with the Chief of Naval Operations (CNO) Shipboard Habitability Program. These systems contribute significantly to the habitability of Navy ships by providing and distributing news, command information, training, and entertainment programming using the latest technology available. These systems improve morale, combat effectiveness and retention rates of deployed personnel. All AFRTS systems use Commercial-Off-the-Shelf (COTS) equipment. Fleet Support Detachments (FSDs) are the installing agents for these systems. Each component replacement is made based on ship availability and coordinated through the TYCOMs.

[P5 / Site Digital Server]: The SITE digital upgrade installs a digital based video server within each SITE system. The Video Server allows for AFRTS programming and Navy Motion Picture Service Movies to be stored within the SITE system, adhering to Motion Picture Association of America Digital Rights Management standards. Media is decrypted at moment of playback. Hard drive/server allows for 30-day automated playback. Automated playlist is standard with pre-programmed, 30-day schedule, and the ship has the ability to modify as necessary. Each server installation is made based on ship availability by the FSD as the installing agents.

[P5 / Site CCTV - Digital/300]: K0001 - Site CCTV - Digital/300 - Digital/300 is the next generation of the SITE 2000/300. This system is a digitally-based replacement for the 2000/300 playback. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

[P5 / Site CCTV - Digital/400]: SITE CCTV - Digital/400 - is the next generation of the SITE 2000/400. This system is a digitally-based replacement for the 2000/400 playback. Requires manpower of one dedicated technician and operator. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.

[P5 / Site CCTV - Digital/501]: Digital/500 - is the next generation of the SITE 2000/500. This system is digitally-based replacement for the 2000/500 playback. Requires manpower of two dedicated technicians and three operators. Each system is comprised of COTS components that take three to twelve months to procure. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/repair agents.

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment										P-1 Line Item Number / Title: 2666 / American Forces Radio and TV Service (AFRTS)									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements:									
[P5 / Circuit 27TV Upgrade]: Circuit 27TV Upgrade - Upgrade to 14TV head end only that will allow onboard SITE system to distribute Television Direct To Sailors (TV-DTS), AFRTS and pier-side cable commercial programming. Each component upgrade/replacement is made based on ship availability, by the FSD as the installing/replacement agents.																			
[P5 / Circuit 30 TV Upgrade]: K0001-Circuit 30TV: The Digital Media Transport System (Circuit 30TV) is the main video distribution network for unclassified media generated by the SBS system, Circuit 28TV surveillance and Circuit 29TV satellite systems. Each system is comprised of COTS equipment that takes six to twelve months to procure. Each system upgrade is done based on ship availability, by the Fleet Support Detachment (FSD) as the installing/replacing agent.																			
[P5 / Shipboard Broadcast System (SBS)]: K0001-Shipboard Broadcast System (SBS): The SBS system replaces the SITE 300/400/501 systems with an IP video system. It collects and converts video content from several sources: Navy Motion Picture Services (NMPS) programming via encrypted DVDs (nDVD), Video Server, and shipboard surveillance cameras; and distributes the signals via Circuit 30 in Standard or High Definition. Each system is comprised of COTS equipment that takes six to twelve months to procure. Each system upgrade is done based on ship availability, by the Fleet Support Detachment (FSD) as the installing/replacing agent.																			
[P5 / K0830 - Production Engineering]: Supports review and approval of any production contract technical documentation, or the separate development of this documentation to include signal flow diagrams, Preventive Maintenance Services (PMS), production drawings, provisioning technical documentation (PTD), Integrated Logistic Support (ILS), Program Support Data (PSD), Allowance Parts List (APL's) and engineering in support of final design reviews.																			
[P5 / K0INS - Non-FMP Installation]: Supports the installation of SITE, TV-DTS (TV-Direct to Sailor), system onboard Navy ships. Installations are performed by DMAA Fleet Support Detachments and are based on TYCOM nominations.																			

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 / American Forces Radio and TV Service (AFRTS)	P-5		-	-	14.903	-	-	5.043	-	-	6.483	-	-	4.524	-	-	-	-	-	4.524
Total Gross/Weapon System Cost			-	-	14.903	-	-	5.043	-	-	6.483	-	-	4.524	-	-	-	-	-	4.524

*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 / 02 / 7						P-1 Line Item Number / Title: 2666 / American Forces Radio and TV Service (AFRTS)						Item Number / Title [DODIC]: 1 / American Forces Radio and TV Service (AFRTS)							
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>					14.903		5.043		6.483		4.524		-		4.524				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					14.903		5.043		6.483		4.524		-		4.524				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					14.903		5.043		6.483		4.524		-		4.524				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>					-		-		0.397		0.005		-		0.005				
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 Cost																			
Recurring Cost																			
1.1.1) Site Digital Server		97,000.00	9	0.873	-	-	-	97,000.00	10	0.970	-	-	-	-	-	-	-	-	-
1.1.2) Site CCTV - Digital/300		5,000.00	2	0.010	85,000.00	7	0.595	85,000.00	11	0.935	90,000.00	4	0.360	-	-	-	90,000.00	4	0.360
1.1.3) Site CCTV - Digital/400		5,000.00	10	0.050	90,000.00	3	0.270	90,000.00	6	0.540	90,000.00	3	0.270	-	-	-	90,000.00	3	0.270
1.1.4) Site CCTV - Digital/501		110,000.00	1	0.110	103,000.00	1	0.103	110,000.00	1	0.110	115,000.00	1	0.115	-	-	-	115,000.00	1	0.115
1.1.5) Circuit 27TV Upgrade		-	-	-	20,000.00	7	0.140	20,000.00	8	0.160	21,000.00	5	0.105	-	-	-	21,000.00	5	0.105
1.1.6) Circuit 30 TV Upgrade		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) Shipboard Broadcast System (SBS)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	1.043	-	-	1.108	-	-	2.715	-	-	0.850	-	-	-	-	-	0.850
Subtotal: Hardware Cost		-	-	1.043	-	-	1.108	-	-	2.715	-	-	0.850	-	-	-	-	-	0.850
Support Cost																			
2.1) K0830 - Production Engineering		-	-	11.148	-	-	3.742	-	-	3.572	-	-	3.475	-	-	-	-	-	3.475
2.2) K01NS - Non-FMP Installation		-	-	2.712	-	-	0.193	-	-	0.196	-	-	0.199	-	-	-	-	-	0.199
Subtotal: Support Cost		-	-	13.860	-	-	3.935	-	-	3.768	-	-	3.674	-	-	-	-	-	3.674

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7							P-1 Line Item Number / Title: 2666 / American Forces Radio and TV Service (AFRTS)							Item Number / Title [DODIC]: 1 / American Forces Radio and TV Service (AFRTS)					
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)
Gross/Weapon System Cost		-	-	14.903	-	-	5.043	-	-	6.483	-	-	4.524	-	-	-	-	-	4.524

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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 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment						P-1 Line Item Number / Title: 2676 / 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 <i>(Units in Each)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Gross/Weapon System Cost <i>(\$ in Millions)</i>	15.260	3.328	7.631	6.382	-	6.382	17.441	9.450	7.155	7.240	-	73.887								
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) <i>(\$ in Millions)</i>	15.260	3.328	7.631	6.382	-	6.382	17.441	9.450	7.155	7.240	-	73.887								
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority <i>(\$ in Millions)</i>	15.260	3.328	7.631	6.382	-	6.382	17.441	9.450	7.155	7.240	-	73.887								
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares <i>(\$ in Millions)</i>	-	1.309	1.202	0.937	-	0.937	1.116	1.031	1.068	1.068	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: Funding in this P-1 line provides Non-Propulsion Electronics equipment that will be installed aboard TRIDENT Class submarines as part of the Obsolete Equipment Replacement (OER) Program. The OBSOLETE EQUIPMENT REPLACEMENT (OER) Program is the replacement of existing hardware/software that, though functional, has become operationally obsolete, is no longer in production or supportable with spare parts, or has a high failure rate making them no longer cost effective to maintain. OER hardware/software changes are expected to provide significant cost savings via reduced maintenance costs and use Commercial-Off-The-Shelf (COTS) technology wherever possible as long as all technical requirements are met. This funding line includes performance of the required fully integrated system level testing and certification of changes to the TRIDENT Combat systems prior to installation of the changes on the ship. Integrated testing and certification provides assurance that when the changes are installed in the ship, the TRIDENT Combat system will operate as designed, allowing the ships to maintain their operational schedules and mission capabilities.																				
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)
Strategic Platform Support Equip	P-40a		-	-	15.260	-	-	3.328	-	-	7.631	-	-	6.382	-	-	-	-	-	6.382
Total Gross/Weapon System Cost			-	-	15.260	-	-	3.328	-	-	7.631	-	-	6.382	-	-	-	-	-	6.382
*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-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 02: Communications & Electronics Equip / BSA 7: Other Ship Electronic Equipment		P-1 Line Item Number / Title: 2676 / Strategic Platform Support Equip
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

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Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 7								P-1 Line Item Number / Title: 2676 / Strategic Platform Support Equip							Aggregated Items Title: Strategic Platform Support 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) P1221 Strategic Platform Support Equip																				
1.1) Common Platform Engineering	A		5,223K	1	5.223	916,000.00	1	0.916	805,000.00	1	0.805	909,000.00	1	0.909	-	-	-	909,000.00	1	0.909
1.2) CCS Revision Engineering Cert/Test	A		-	-	6.694	-	-	0.712	-	-	2.260	-	-	1.838	-	-	-	-	-	1.838
1.3) Monitoring Workstation Technology Refresh	A		1,114K	3	3.343	425,000.00	4	1.700	350,000.00	6	2.100	383,333.33	6	2.300	-	-	-	383,333.33	6	2.300
1.4) Data Processing System (DPS) Mission Critical Workstation	A		-	-	-	-	-	-	-	-	2.466	-	-	1.335	-	-	-	-	-	1.335
1.5) SSBN Legacy CCS Modernization	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) P1221 Strategic Platform Support Equip			-	-	15.260	-	-	3.328	-	-	7.631	-	-	6.382	-	-	-	-	-	6.382
Total			-	-	15.260	-	-	3.328	-	-	7.631	-	-	6.382	-	-	-	-	-	6.382

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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 02: Communications & Electronics Equip / BSA 8: Training Equipment						P-1 Line Item Number / Title: 2762 / Other 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	94.047	37.756	40.644	46.122	-	46.122	52.191	43.992	43.222	44.103	-	402.077
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	94.047	37.756	40.644	46.122	-	46.122	52.191	43.992	43.222	44.103	-	402.077
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	94.047	37.756	40.644	46.122	-	46.122	52.191	43.992	43.222	44.103	-	402.077
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.285	0.065	0.151	-	0.151	0.188	0.180	0.186	0.183	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: PROGRAM DESCRIPTION/JUSTIFICATION: Other Training Equipment line supports various types of Communication and Electronic training requirements. [P40A / MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT]: MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT This line procures submarine Fleet and team trainers sustaining equipment and systems, which emulate ship characteristics, as approved by the CNO. Representative training systems include, but are not limited to: Submarine Navigation Trainers which include the Virtual Environment Submarine (VESUB), Submarine Piloting and Navigation Trainers (SPAN), Reconfigurable SPAN (RSPAN), Submarine Bridge Trainer/Integrated SPAN (SBT/ISPAN), Navigation Databases, Ship Control Operator Trainer (SCOT), Electronic Chart Display and Information Systems-Navy (ECDIS-N) and PC-based Team Trainers which include the Mini-SPANs. These systems and Training Enhancement Changes (TECs) are identified by the Submarine Learning Center (SLC) for training activities, which are approved by the CNO. Supports Fleet requested updates and technical refresh of all the systems and products listed above. The SBT/ISPAN and upgrades to the existing navigation and mariner skills trainer in all homeports will be procured. This line also provides configuration changes for the Voyage Management Systems (VMS), ECDIS-N, and the Submarine Multi Reconfigurable Training System (MRTS) Communications, which includes Submarine Communications Support System / Common Submarine Radio Room (SCSS / CSRR) trainers. SBT/ISPAN is comprised of Virtual Tactical, Sonar Simulation, VMS, ECDIS-N, Radar Simulation, Navigation Aids, and Harbor Databases. [P40A / MB050 SUBMARINE SONAR TRAINERS]: MB050 SUBMARINE SONAR TRAINERS The Sonar Employment Trainer (SET) provides acoustic operator employment Fleet and team training for submarine sonar systems. It uses entirely commercial components to contain contact and environment models, simulations of the sensors and signal processing, simulated operator consoles, and an instructional subsystem including an instructor's console. SET is used to train advanced operators in the Advanced Sonar Employment and Sonar Supervisor courses. The SET is periodically upgraded to support current software Advanced Processor Builds (APBs) and Technical Insertions (TIs). The SET is an essential component of an emerging shore based training that supports the projected technology in the Fleet systems that are designed to meet current and future threats: the Acoustics, Rapid Commercial-Off-The-Shelf (COTS) Insertion (A-RCI).												

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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 02: Communications & Electronics Equip / BSA 8: Training Equipment										P-1 Line Item Number / Title: 2762 / Other Training Equipment											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
The SET is part of the solution to increasing operator competence and data recognition through employment training by its use of 3-D graphics, animation, audio, and scientific visualization methods to illustrate highly complex displays and concepts of oceanographic physics. The demands of curriculum and student throughout at the primary submarine training site at NAVSUBSCOL, Groton dictates the number and configuration of trainers provided.																					
FY13: Procured one kit and implemented simulation upgrades to SET, procured five upgrades to AATs, including upgrades to the AAT EPM.																					
FY14: Procures one kit upgrade to SET and provides operator enhancement as directed by the Type Commander.																					
FY15: Procures one kit and implements simulation upgrades to the SET as directed by the Type Commander.																					
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 Training Equipment	P-40a		-	-	54.260	-	-	5.737	-	-	13.431	-	-	4.994	-	-	-	-	-	4.994	
P-3a - 1 / MB040 - BFTT SHIP SETS	P-3a		-	-	7.964	-	-	25.487	-	-	23.379	-	-	26.278	-	-	-	-	-	26.278	
P-3a - 2 / MB040 BFTT UPGRADE KITS	P-3a		-	-	22.184	-	-	4.405	-	-	3.834	-	-	13.542	-	-	-	-	-	13.542	
P-3a - 3 / MB040 - TSTC NSST	P-3a		-	-	7.039	-	-	1.006	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 4 / MB040 - LHD 1 WASP	P-3a		-	-	2.600	-	-	1.121	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 5 / MB040 - LHD 2 SSDS MK 2 UPGRADE	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	1.308	-	-	-	-	-	1.308	
Total Gross/Weapon System Cost			-	-	94.047	-	-	37.756	-	-	40.644	-	-	46.122	-	-	-	-	-	46.122	
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)	
Other Training Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / MB040 - BFTT SHIP SETS	P-3a		-	-	29.273	-	-	30.254	-	-	31.428	-	-	31.879	-	-	-	-	-	205.942	
P-3a - 2 / MB040 BFTT UPGRADE KITS	P-3a		-	-	7.134	-	-	8.697	-	-	6.677	-	-	7.001	-	-	-	-	-	73.474	
P-3a - 3 / MB040 - TSTC NSST	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.045	
P-3a - 4 / MB040 - LHD 1 WASP	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.721	

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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 / 02 / 8								P-1 Line Item Number / Title: 2762 / Other Training Equipment							Aggregated Items Title: Other 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) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT																				
1.1) GUAM TRAINERS SCOT	A		-	-	2.400	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MINOR TRAINING SUPPORT EQUIPMENT	A		-	-	3.980	-	-	0.268	-	-	0.131	-	-	0.184	-	-	-	-	-	0.184
1.3) NAV TRAINERS UPDATES, TECH REF	A		-	-	12.598	-	-	0.202	-	-	0.517	-	-	0.048	-	-	-	-	-	0.048
1.4) MRTS SCSS/ CSRR	A		-	-	5.819	-	-	-	-	-	0.610	-	-	-	-	-	-	-	-	-
1.5) SBT/ISPAN	A		-	-	11.508	-	-	3.225	-	-	3.376	-	-	3.525	-	-	-	-	-	3.525
1.6) SSN TO GUAM	A		-	-	-	-	-	-	7,703K	1	7.703	-	-	-	-	-	-	-	-	-
Subtotal: 1) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT			-	-	36.305	-	-	3.695	-	-	12.337	-	-	3.757	-	-	-	-	-	3.757
2) MB050 SUBMARINE SONAR TRAINERS																				
2.1) SET	A		980,714.29	7	6.865	1,598K	1	1.598	1,094K	1	1.094	1,237K	1	1.237	-	-	-	1,237K	1	1.237
2.2) AAT	A		316,857.14	35	11.090	88,800.00	5	0.444	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) MB050 SUBMARINE SONAR TRAINERS			-	-	17.955	-	-	2.042	-	-	1.094	-	-	1.237	-	-	-	-	-	1.237
Total			-	-	54.260	-	-	5.737	-	-	13.431	-	-	4.994	-	-	-	-	-	4.994

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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 / 02 / 8								P-1 Line Item Number / Title: 2762 / Other Training Equipment								Aggregated Items Title: Other Training 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) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT																				
1.1) GUAM TRAINERS SCOT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MINOR TRAINING SUPPORT EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) NAV TRAINERS UPDATES, TECH REF	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MRTS SCSS/ CSRR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) SBT/ISPAN	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) SSN TO GUAM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) MB044 SUBMARINE TRAINING SUPPORT EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) MB050 SUBMARINE SONAR TRAINERS																				
2.1) SET	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) AAT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) MB050 SUBMARINE SONAR TRAINERS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment					Modification Number / Title: 1 / MB040 - BFTT SHIP SETS			
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>)	7.964	25.487	23.379	26.278	-	26.278	29.273	30.254	31.428	31.879	-	205.942
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.964	25.487	23.379	26.278	-	26.278	29.273	30.254	31.428	31.879	-	205.942
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.964	25.487	23.379	26.278	-	26.278	29.273	30.254	31.428	31.879	-	205.942
(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 Battle Force Tactical Training (BFTT) Program provides realistic joint warfare training across the spectrum of armed conflict; realistic unit level team training in all warfare areas; a means to link ships together which are in different homeports for coordinated training; external stimulation of shipboard training systems; and simulation of non-shipboard forces. BFTT uses a distributed architecture, integrating existing training systems, and uses Distributed Interactive Simulation (DIS) and High Level Architecture (HLA) protocols. BFTT provides ships' Commanding Officers and Battle Group/Battle Force Commanders with the ability to conduct coordinated realistic, high stress, combat system level team training as an integral part of the Afloat Training Groups (ATGs), the Tactical Training Groups and C2F/C3F Fleet Synthetic Training (FSTs) exercises. The Total Ship Training Capability (TSTC) integrates existing and emergent onboard training and assessment system capabilities to simulate realistic, "train like you fight", combat-like conditions across weapon sensor and combat systems. Migration to TSTC improvements is required to ensure continued, persistent FST interoperability. Commercial off the Shelf (COTS) Obsolescence mitigates replacement and upgrade of obsolete and out-of-production COTS components in BFTT systems installed throughout the Fleet to include the AN/USQ-T46D upgrade. BFTT T46D is a core component of the TSTC. FY13 - BFTT Ship Set funding procured (20) T46D's and subsequent variants of hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS Baseline 9, LSD 41/49. Installation funding supports installation of (7) BFTT AN/USQ-T46D Systems. FY14 - BFTT Ship Set funding will procure (16) T46D's and subsequent variants of hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS Baseline 9, LSD 41/49. Installation funding supports installation of (20) BFTT AN/USQ-T46D Systems. FY15 - BFTT Ship Set funding will procure (17) T46D's and subsequent variants of hardware and software Build 3.5 series in support of AN/SQQ-89A(V)15 ACB 11, AEGIS Baseline 9, LSD 41/49. Installation funding supports installation of (16) BFTT AN/USQ-T46D Systems.												

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LI 2762 - Other Training Equipment
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8										P-1 Line Item Number / Title: 2762 / Other Training Equipment										Modification Number / Title: 1 / MB040 - BFTT SHIP SETS												
Modification Item 1 of 1: MB040 - BFTT SHIP SETS																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Various															Manufacturer Location: >Various																	
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		Dec 2012				Dec 2013				Dec 2014				Dec 2015				Dec 2016				Dec 2017				Dec 2018						
Delivery Dates		Sep 2013				Sep 2014				Sep 2015				Sep 2016				Sep 2017				Sep 2018				Sep 2019						
Installation Information																																
Method of Implementation: AIT : Installation Name: BFTT SHIP SETS																																
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	/	4.567	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	7	/	4.567				
FY 2013		-	/	-	-	/	-	20	/	7.789	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	7.789				
FY 2014		-	/	-	-	/	-	16	/	8.400	-	/	-	16	/	8.400	-	/	-	-	/	-	-	/	-	-	/	8.400				
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	17	/	9.301	-	/	-	-	/	-	-	/	-	-	/	9.301				
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	20	/	10.029	-	/	-	-	/	-	-	/	10.029				
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	20	/	10.560	-	/	-	-	/	10.560				
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	20	/	10.577	-	/	10.577				
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	20	/	-				
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-				
Total		-	/	-	7	/	4.567	20	/	7.789	16	/	8.400	-	/	-	16	/	8.400	17	/	9.301	20	/	10.029	20	/	10.560				
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	5	5	5	5	1	5	5	5	4	4	5	4	5	5	5	5	5	5	5	5	5	5	5	5	5	20	140
Out	-	-	1	2	4	4	6	5	5	-	6	5	4	4	4	4	3	3	6	6	8	-	6	6	8	-	6	6	8	20	140	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment						Modification Number / Title: 2 / MB040 BFTT UPGRADE 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>)	22.184	4.405	3.834	13.542	-	13.542	7.134	8.697	6.677	7.001	-	73.474
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	22.184	4.405	3.834	13.542	-	13.542	7.134	8.697	6.677	7.001	-	73.474
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	22.184	4.405	3.834	13.542	-	13.542	7.134	8.697	6.677	7.001	-	73.474
<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:

BFTT Upgrade Kits: Procure various quantities of upgrade kit/Engineering Change Proposal (ECP) system components, ShipAlts, Field Changes and Software Deliveries. ShipAlts are generally upgrades required to meet Combat Systems configuration requirements. Field Changes to existing BFTT, BEWT and Trainer Stimulator Simulator System (TSSS) systems include Information Assurance (IA) compliance, Obsolescence, Network upgrades and externally driven interface modifications. Software Deliveries required to support Combat System, IA and BFTT/BEWT/BEWT-II/TSSS Hardware requirements. Upgrade Kits and interface upgrades implement Fleet prioritized warfighting training improvements to the BFTT systems in order to meet evolving combat system capabilities. Training system improvements are a critical factor in achieving warfighter competencies and mission readiness. Unit costs are various.

FY13 - Upgrade/Field Change Kit funding procured and integrated various BFTT upgrades to include Battle Force Tactical Training Electronic Warfare Trainer (BEWT) II upgrades, BFTT Software Baselines 3.5.C, 3.5.1 upgrades, and TSSS legacy radar interface upgrades. Integrated various BFTT system components/kits as well as completed system removal/upgrade of AN/USQ-T46(V) hardware. Produced Engineering Change Proposals (ECPs) and drawings to support FY14 and following procurements for AEGIS ACB-16 ships. Produced Engineering Change Proposals (ECPs) and drawings to support FY14 and following procurements for SSDS ACB-16 ships. Installation funding supported the installation of various training system hardware/software upgrades (ECPs/FCs) on surface ships.

FY14 - Upgrade/Field Change Kit funding will procure and integrate various BFTT upgrades to include Battle Force Tactical Training Electronic Warfare Trainer (BEWT) II upgrades, BFTT Software Baselines 3.5.C, 3.5.1 upgrades, and TSSS legacy radar interface upgrades. Integrate various BFTT system components/kits as well as complete system removal/upgrade of AN/USQ-T46(V) hardware. Produce Engineering Change Proposals (ECPs) and drawings to support FY15 and following procurements for AEGIS ACB-16 ships. Produce Engineering Change Proposals (ECPs) and drawings to support FY15 and following procurements for SSDS ACB-16 ships. Installation funding will support installation of various training system hardware/software upgrades (ECPs/FCs) on surface ships.

FY15 - Upgrade/Field Change Kit funding will procure and integrate various Battle Force Tactical Training (BFTT)/Total Ship Training Capability (TSTC) family of systems upgrades to include Battle Force Tactical Training Electronic Warfare Trainer (BEWT) Baseline II Hardware & Software upgrades, BFTT Software Baselines 3.5.C, 3.5.1 & 5.0 upgrades, Naval Seamanship Ship handling Trainer and Training Simulation Stimulation System (TSSS) legacy radar interface upgrades. Produce and install USG-2B CEC Enhanced Training (CET) Kits, & CEC Interim Trainer (CIT) kits which provide critical CEC training capabilities that allow transfer of simulated CU data with external participants for AEGIS Baselines 9, 8, 7.2, 9.C2 (ACB -16) ships, as well as shore based Distributed Constructive Capability Units. Produce SAU 7000 Simulation/Stimulation field change kits for various CVN & AEGIS ships. Upgrade BFTT/TSTC Shipboard Connectivity Suite through a Tech Refresh. Upgrade various TSTC related shore based training systems. Installation funding supports installation and removal of various training system hardware/software upgrades (ECPs/FCs) on surface ships and related shore sites.

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LI 2762 - Other Training Equipment
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8										P-1 Line Item Number / Title: 2762 / Other Training Equipment										Modification Number / Title: 2 / MB040 BFTT UPGRADE KITS											
Modification Item 1 of 1: MB040 BFTT UPGRADE KITS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: VARIOUS															Manufacturer Location: >VARIOUS																
Administrative Leadtime (in Months): 3															Production Leadtime (in Months): 3																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Dec 2013				Dec 2014				Dec 2015				Dec 2016				Dec 2017				Dec 2018					
Delivery Dates		Mar 2013				Mar 2014				Mar 2015				Mar 2016				Mar 2017				Mar 2018				Mar 2019					
Installation Information																															
Method of Implementation: AIT : Installation Name: BFTT UPGRADE KITS																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		247 / 1.570		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		247 / 1.570					
FY 2013		- / -		187 / 3.485		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		187 / 3.485					
FY 2014		- / -		- / -		124 / 2.569		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		124 / 2.569					
FY 2015		- / -		- / -		- / -		126 / 4.518		- / -		126 / 4.518		- / -		- / -		- / -		- / -		- / -		- / -		126 / 4.518					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		84 / 2.319		- / -		- / -		- / -		- / -		- / -		84 / 2.319					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		67 / 1.886		- / -		- / -		- / -		- / -		67 / 1.886					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		46 / 1.216		- / -		- / -		- / -		46 / 1.216					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		65 / 1.426		- / -		- / -		65 / 1.426					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		247 / 1.570		187 / 3.485		124 / 2.569		126 / 4.518		- / -		126 / 4.518		84 / 2.319		67 / 1.886		46 / 1.216		65 / 1.426		- / -		- / -		946 / 18.989					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	247	42	34	41	70	15	35	35	39	27	34	33	32	21	21	21	21	17	17	17	16	12	12	11	11	16	16	16	17	-	946
Out	247	42	34	41	70	15	35	35	39	28	32	37	29	21	21	21	21	17	17	17	16	12	12	11	11	16	16	16	17	-	946

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8	P-1 Line Item Number / Title: 2762 / Other Training Equipment	Modification Number / Title: 3 / MB040 - TSTC NSST

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>)	7.039	1.006	-	-	-	-	-	-	-	-	-	8.045
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.039	1.006	-	-	-	-	-	-	-	-	-	8.045
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.039	1.006	-	-	-	-	-	-	-	-	-	8.045
<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 Navigation Seamanship and Shiphhandling Trainer (NSST) is the navigation/ship control component of the Total Ship Training System (TSTC); SCD 376. The TSTC integrates existing and emergent onboard training and assessment system capabilities to simulate realistic, "train like you fight", combat-like conditions across weapon sensor and combat systems. Migration to TSTC improvements is required to ensure continued, persistent FST interoperability. One of the training systems under this capability includes the Navigation Seamanship and Shiphhandling Trainer (NSST).

FY13 - TSTC NSST procurement funds were realigned to cover BFTT procurements in FY13 and out. Installation funding supports installation of (8) TSTC components including NSST on CG-47, DDG-51, LSD 41/49, FFG, and CVN 68 Class ships.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment						Modification Number / Title: 3 / MB040 - TSTC NSST			
Models of Systems Affected: Total Ship Training Capability Naval Seamanship Shiphandling Trainers				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0204571N					
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: MB040 - TSTC NSST													
B Kits													
Recurring													
1.1.1) MB040 NSST - NonOrganic	40 / 5.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 5.463	
Subtotal: Recurring	- / 5.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.463	
Subtotal: MB040 - TSTC NSST	40 / 5.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 5.463	
Subtotal: Procurement, All Modification Items	- / 5.463	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.463	
Installation													
Modification Item 1 of 1: MB040 - TSTC NSST	- / 1.576	- / 1.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.582	
Subtotal: Installation	- / 1.576	- / 1.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.582	
Total													
Total Cost (Procurement + Support + Installation)	7.039	1.006	-	-	-	-	-	-	-	-	-	8.045	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8	P-1 Line Item Number / Title: 2762 / Other Training Equipment	Modification Number / Title: 3 / MB040 - TSTC NSST

Modification Item 1 of 1: MB040 - TSTC NSST

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Kongsberg	Manufacturer Location: >Mystic, CT
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						
Delivery Dates	Mar 2013						

Installation Information

Method of Implementation: [none specified] : Installation Name: MB040 NSST

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	32 / 1.576	8 / 1.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 2.582
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	32 / 1.576	8 / 1.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 2.582

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	32	-	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40
Out	32	-	3	3	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment						Modification Number / Title: 4 / MB040 - LHD 1 WASP		
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	1.121	-	-	-	-	-	-	-	-	-	3.721
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	2.600	1.121	-	-	-	-	-	-	-	-	-	3.721
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	2.600	1.121	-	-	-	-	-	-	-	-	-	3.721
<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: Procure a complete AN/USQ-T46D System for the LHD 1 WASP. FY13 - Funding was provided to complete the procurement of 1 full BFTT Ship Set for the LHD 1 WASP. Installation funding supports the installation of this BFTT Ship Set procured in FY12, on the LHD 1 WASP.												

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment				Modification Number / Title: 4 / MB040 - LHD 1 WASP						
Models of Systems Affected: [No Model Specified]			Modification Type: LHD 1 WASP						Related RDT&E PEs: 0204571N					
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: MB040 - LHD 1 WASP														
B Kits														
Recurring														
1.1.1) LHD 1 WASP - NonOrganic	1 / 2.600	- / 0.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.196		
Subtotal: Recurring	- / 2.600	- / 0.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.196		
Subtotal: MB040 - LHD 1 WASP	1 / 2.600	- / 0.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.196		
Subtotal: Procurement, All Modification Items	- / 2.600	- / 0.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.196		
Installation														
Modification Item 1 of 1: MB040 - LHD 1 WASP	- / 0.000	- / 0.525	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.525		
Subtotal: Installation	- / 0.000	- / 0.525	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.525		
Total														
Total Cost (Procurement + Support + Installation)	2.600	1.121	-	-	-	-	-	-	-	-	-	3.721		

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8										P-1 Line Item Number / Title: 2762 / Other Training Equipment										Modification Number / Title: 4 / MB040 - LHD 1 WASP											
Modification Item 1 of 1: MB040 - LHD 1 WASP																															
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>): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012																													
Delivery Dates		Sep 2013																													
Installation Information																															
Method of Implementation: AIT : Installation Name: LHD 1 WASP																															
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 / 0.525		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.525					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		1 / 0.525		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.525					
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 / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment				Modification Number / Title: 5 / MB040 - LHD 2 SSDS MK 2 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>	0.000	-	-	1.308	-	1.308	0.689	-	-	-	-	1.997
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	1.308	-	1.308	0.689	-	-	-	-	1.997
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	1.308	-	1.308	0.689	-	-	-	-	1.997
<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 a complete AN/USQ-T46D System for the LHD 2 Ship Self Defense System (SSDS) MK 2 Upgrade. Installation funding supports the installation of the LHD 2.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8				P-1 Line Item Number / Title: 2762 / Other Training Equipment						Modification Number / Title: 5 / MB040 - LHD 2 SSDS MK 2 UPGRADE			
Models of Systems Affected: LHD 2 Ship Self Defense System MK 2 Upgrade				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0204571N					
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: MB040 - LHD 2 SSDS MK 2 UPGRADE													
B Kits													
Recurring													
1.1.1) LHD 2 SSDS MK 2 UPGRADE - NonOrganic	- / -	- / -	- / -	1 / 1.308	- / -	1 / 1.308	- / -	- / -	- / -	- / -	- / -	1 / 1.308	
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / 1.308	- / -	- / 1.308	- / -	- / -	- / -	- / -	- / -	- / 1.308	
<i>Subtotal: MB040 - LHD 2 SSDS MK 2 UPGRADE</i>	- / -	- / -	- / -	1 / 1.308	- / -	1 / 1.308	- / -	- / -	- / -	- / -	- / -	1 / 1.308	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / 1.308	- / -	- / 1.308	- / -	- / -	- / -	- / -	- / -	- / 1.308	
Installation													
Modification Item 1 of 1: MB040 - LHD 2 SSDS MK 2 UPGRADE	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.689	- / -	- / -	- / -	- / -	- / 0.689	
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.689	- / -	- / -	- / -	- / -	- / 0.689	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	1.308	-	1.308	0.689	-	-	-	-	1.997	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 8										P-1 Line Item Number / Title: 2762 / Other Training Equipment										Modification Number / Title: 5 / MB040 - LHD 2 SSDS MK 2 UPGRADE											
Modification Item 1 of 1: MB040 - LHD 2 SSDS MK 2 UPGRADE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Various															Manufacturer Location: >Various																
Administrative Leadtime (in Months): 6															Production Leadtime (in Months): 6																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Dec 2014				Dec 2015																	
Delivery Dates										Sep 2015				Sep 2016																	
Installation Information																															
Method of Implementation: AIT : Installation Name: LHD 2 SSDS MK 2 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		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2013		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2014		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2015		-	/	-	-	/	-	-	/	-	-	/	-	1	/	0.689	-	/	-	-	/	-	-	/	-						
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
Total		-	/	-	-	/	-	-	/	-	-	/	-	1	/	0.689	-	/	-	-	/	-	-	/	-						
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment						P-1 Line Item Number / Title: 2815 / MATCALs						
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>)	250.236	5.542	7.461	16.999	-	16.999	10.112	9.041	6.281	6.424	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	250.236	5.542	7.461	16.999	-	16.999	10.112	9.041	6.281	6.424	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	250.236	5.542	7.461	16.999	-	16.999	10.112	9.041	6.281	6.424	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>)	-	0.763	-	2.730	-	2.730	0.614	0.620	-	-	-	4.727
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:												
DESCRIPTION: Marine Air Traffic Control and Landing Systems (MATCALs) is a fully automated all-weather expeditionary terminal Air Traffic Control (ATC) System that provides arrival/departure and enroute surveillance control, automated precision approach and landing control or Ground Controlled Approach, Tactical Air Navigation (TACAN), and other ATC services. MATCALs satisfies the operational requirements set forth by Specific Operational Requirements (SOR) 34-22 of 12 Jul 1973; Marine Remote Area Approach and Landing System SOR 34-26 of 30 Apr 1975; Remote Landing Site Tower (RLST) Operational Requirements Document (ORD) 341-88-93 of 25 Jul 1997; and Air Traffic Navigation Integration and Coordination System ORD 05-002 of 03 Dec 1992.												
MATCALs, with other Marine Air Command and Control Systems (MACCS) and federal agencies, provides the ability to project air combat power in the Amphibious Operations Area (AOA) without regard to weather. ATC and landing automation reduces air traffic controllers' traffic handling and management time, allowing more time for mission response and task accomplishment. It supports a required increase in aircraft sortie rates and contributes to extended time on target. The system provides for integration of ATC into the total MACCS.												
MATCALs has three primary subsystems: (1) Air Traffic Control Subsystem (ATCS) consisting of an AN/TPS-73 Airport Surveillance Radar (ASR) and various peripheral equipment; (2) All-Weather Landing Subsystem consisting of an AN/TPN-22 Precision Approach Landing Radar, AN/UYK-44 computer and peripheral equipment; and (3) the Control and Communications Subsystem (AN/TSQ-131) with a Communications Control Group, radios, computer software, multi mode displays and peripherals. Other Fleet Marine Force ATC equipment supported by the MATCALs funding line are the AN/TSQ-120 Tower, AN/TRN-44 TACAN, AN/TPN-30 Marine Remote Area Approach & Landing Set (MRAALS), the AN/TSQ-216 RLST, Maintenance Shelters, Distance/Azimuth Measure Equipment (D/AME), and various related items.												
A portion of the current MATCALs equipment is being transitioned to the Air Surveillance and Precision Approach Radar Control Systems (ASPARCS) (Marine Requirements Oversight Committee (MROC) decision memorandum 11-2005 dated 8 December 2004). ASPARCS consists of an ASR, which will replace the AN/TPS-73; a Precision Approach Radar, which will replace the AN/TPN-22; and a Command and Control (C2) Node, which will replace the AN/TSQ-131. ASPARCS will provide greater mobility, transportability, reliability, maintainability, and interoperability with Marine Corps/Navy Command and Control Systems than the current MATCALs. An Acquisition Decision Memorandum was signed January 2005, approving the procurement of the Army AN/TPN-31 system to fulfill the ASPARCS requirement.												
The Air Traffic Navigation Integration and Coordination System (ATNAVICS) ASR Range Extension is funded to meet requirements identified in the ATC Initial Capabilities Document ICD (ICD), MROC DM 75-7007, MACC Operational Advisory Group (OAG). The gaps identified require sustainment of legacy sensor capability until such time as ATNAVICS PrePlanned Product Improvement (P3I) initiatives enhance system capability to support main air base traffic density and airspace. Additionally, the positive control enabled by increased ASR range reduces separation enabling increased sortie 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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment												P-1 Line Item Number / Title: 2815 / MATCALs									
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements:									
Optimized Organizational Maintenance Activity (OOMA) System is an automated management information system that provides Navy and Marine Corps aviation organizational maintenance units with timely and accurate information to aid managers in their daily management of assigned aircraft and 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 / MATCALs	P-5		-	-	246.399	-	-	1.862	-	-	3.643	-	-	3.889	-	-	-	-	-	3.889	
P-3a - 1 / AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)	P-3a		-	-	3.837	-	-	3.680	-	-	3.818	-	-	11.022	-	-	-	-	-	11.022	
P-3a - 2 / Optimized Organizational Maintenance Activity (OOMA) (MJ460)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	2.088	-	-	-	-	-	2.088	
Total Gross/Weapon System Cost			-	-	250.236	-	-	5.542	-	-	7.461	-	-	16.999	-	-	-	-	-	16.999	
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)	
Item - 1 / MATCALs	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)	P-3a		-	-	3.873	-	-	4.141	-	-	2.519	-	-	-	-	-	-	-	-	32.890	
P-3a - 2 / Optimized Organizational Maintenance Activity (OOMA) (MJ460)	P-3a		-	-	2.499	-	-	1.758	-	-	-	-	-	-	-	-	-	-	-	6.345	
Total Gross/Weapon System Cost			-	-	10.112	-	-	9.041	-	-	6.281	-	-	6.424	Continuing			Continuing			
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY15 funds the baseline program.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9					P-1 Line Item Number / Title: 2815 / MATCALs					Item Number / Title [DODIC]: 1 / MATCALs		

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>	246.399	1.862	3.643	3.889	-	3.889	-	-	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	246.399	1.862	3.643	3.889	-	3.889	-	-	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	246.399	1.862	3.643	3.889	-	3.889	-	-	-	-	-	-

(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 - MATCALs Cost																			
Recurring Cost																			
1.1.1) LOGISTICS SUPPORT SYSTEM - OCO (MJ441)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) C3 Node Kits - OCO (MJ450)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) MACS Mobile Team Tactical Lighting - OCO (MJ449)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) MOBILE FACILITIES - OCO (MJ445)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) MATCALs ANCILLIARY EQUIPMENT - OCO (MJ446)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) MATCALs RADIO ASPARCS PRC-150 - OCO (MJ443)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) MATCALs Radio ASPARCS		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9								P-1 Line Item Number / Title: 2815 / MATCALs								Item Number / Title [DODIC]: 1 / MATCALs			
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)
PRC-117F - OCO (MJ433)																			
1.1.9) ASPARCS - OCO (MJ434)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.10) AN/TSQ-120B TOWER - OCO (MJ439)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.11) D/AME AN/TRN-47 MANPORTABLE TACAN - OCO (MJ440)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.12) AN/TSQ-216 Tower (RLST - OCO) (MJ429)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.13) ASPARCS (MJ434)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.14) Prior Year Equipment		1,232K	129	158.966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	158.966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - MATCALs Cost</i>		-	-	158.966	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - ECP / ECO Cost																			
Recurring Cost																			
2.1.1) MAINT / RELIABILITY IMPROVEMENT (MJ427)		-	-	56.034	-	-	1.740	-	-	3.521	-	-	3.780	-	-	-	-	-	3.780
<i>Subtotal: Recurring Cost</i>		-	-	56.034	-	-	1.740	-	-	3.521	-	-	3.780	-	-	-	-	-	3.780
<i>Subtotal: Hardware - ECP / ECO Cost</i>		-	-	56.034	-	-	1.740	-	-	3.521	-	-	3.780	-	-	-	-	-	3.780
Hardware - ACCEPTANCE TESTING Cost																			
Recurring Cost																			
3.1.1) Acceptance Testing (MJ860)		-	-	0.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - ACCEPTANCE TESTING Cost</i>		-	-	0.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - INTEGRATED LOGISTICS Cost																			
4.1) ILS (MJ800)		-	-	7.217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - INTEGRATED LOGISTICS Cost</i>		-	-	7.217	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity:							P-1 Line Item Number / Title:							Item Number / Title [DODIC]:					
1810N / 02 / 9							2815 / MATCALs							1 / MATCALs					
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																			
5.1) PE (MJ830)		-	-	19.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - PRODUCTION ENGINEERING Cost		-	-	19.067	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - MISCELLANEOUS SUPPORT Cost																			
6.1) INITIAL TRAINING (MJ990)		-	-	0.382	-	-	0.019	-	-	0.019	-	-	0.014	-	-	-	-	-	0.014
6.2) Install (MJ900)		-	-	3.906	-	-	0.103	-	-	0.103	-	-	0.095	-	-	-	-	-	0.095
Subtotal: Support - MISCELLANEOUS SUPPORT Cost		-	-	4.288	-	-	0.122	-	-	0.122	-	-	0.109	-	-	-	-	-	0.109
Gross/Weapon System Cost		-	-	246.399	-	-	1.862	-	-	3.643	-	-	3.889	-	-	-	-	-	3.889
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - MATCALs Cost																			
Recurring Cost																			
1.1.1) LOGISTICS SUPPORT SYSTEM - OCO (MJ441)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) C3 Node Kits - OCO (MJ450)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) MACS Mobile Team Tactical Lighting - OCO (MJ449)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) MOBILE FACILITIES - OCO (MJ445)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) MATCALs ANCILLIARY EQUIPMENT - OCO (MJ446)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) MATCALs RADIO ASPARCS PRC-150 - OCO (MJ443)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9								P-1 Line Item Number / Title: 2815 / MATCALs								Item Number / Title [DODIC]: 1 / MATCALs			
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
1.1.8) MATCALs Radio ASPARCS PRC-117F - OCO (MJ433)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.9) ASPARCS - OCO (MJ434)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.10) AN/TSQ-120B TOWER - OCO (MJ439)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.11) D/AME AN/TRN-47 MANPORTABLE TACAN - OCO (MJ440)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.12) AN/TSQ-216 Tower (RLST - OCO) (MJ429)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.13) ASPARCS (MJ434)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.14) Prior Year Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - MATCALs Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - ECP / ECO Cost																			
Recurring Cost																			
2.1.1) MAINT / RELIABILITY IMPROVEMENT (MJ427)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - ECP / ECO Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - ACCEPTANCE TESTING Cost																			
Recurring Cost																			
3.1.1) Acceptance Testing (MJ860)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - ACCEPTANCE TESTING Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - INTEGRATED LOGISTICS Cost																			
4.1) ILS (MJ800)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9								P-1 Line Item Number / Title: 2815 / MATCALs							Item Number / Title [DODIC]: 1 / MATCALs				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Subtotal: Support - INTEGRATED LOGISTICS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - PRODUCTION ENGINEERING Cost																			
5.1) PE (MJ830)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - PRODUCTION ENGINEERING Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - MISCELLANEOUS SUPPORT Cost																			
6.1) INITIAL TRAINING (MJ990)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) Install (MJ900)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - MISCELLANEOUS SUPPORT Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2815 / MATCALs	Modification Number / Title: 1 / AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)

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>	3.837	3.680	3.818	11.022	-	11.022	3.873	4.141	2.519	-	-	32.890
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.837	3.680	3.818	11.022	-	11.022	3.873	4.141	2.519	-	-	32.890
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.837	3.680	3.818	11.022	-	11.022	3.873	4.141	2.519	-	-	32.890
(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 Air Traffic Navigation Integration and Coordination System (ATNAVICS) Air Surveillance Radar (ASR) Range Extension is funded to meet requirements identified in the Air Traffic Control (ATC) Initial Capabilities Document (ICD), Marine Requirements Oversight Committee (MROC) DM 75-7007, Marine Aviation Command and Control (MACC) Operational Advisory Group (OAG) and Headquarters Marine Corps (HQMC) APX-25 Requirement Clarification letter dated 05 Jan 2010. The gaps identified require sustainment of legacy sensor capability until such time as ATNAVICS P3I initiatives enhance system capability to support main air base traffic density and airspace. Additionally, the positive control enabled by increased ASR range reduces separation enabling increased sortie rates. The End Item Kits for the ATNAVICS ASR Range Extension that are being procured consist of: ASR transmitter, environmental control unit/power generator, Radio Frequency transmission line, ASR receiver/exciter and signal data processors and required software code modifications to system Lowest Repairable Units (LRUs).

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2815 / MATCALs						Modification Number / Title: 1 / AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)			
Models of Systems Affected: MATCALs				Modification Type: Modification						Related RDT&E PEs: 0604504N			
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> AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)													
B Kits													
Non-Recurring													
1.1.1) EQUIPMENT - NonOrganic ⁽¹⁾	- / -	2 / 2.136	2 / 2.240	6 / 6.624	- / -	6 / 6.624	2 / 2.208	2 / 2.400	1 / 1.200	- / -	- / -	15 / 16.808	
1.1.2) Integrated Logistics Support - Organic	- / 0.358	- / 0.140	- / 0.151	- / 0.275	- / -	- / 0.275	- / 0.110	- / 0.117	- / 0.138	- / -	- / -	- / 1.289	
1.1.3) Production Engineering - Organic	- / 3.479	- / 0.468	- / 0.471	- / 1.102	- / -	- / 1.102	- / 0.522	- / 0.560	- / 0.640	- / -	- / -	- / 7.242	
<i>Subtotal: Non-Recurring</i>	- / 3.837	- / 2.744	- / 2.862	- / 8.001	- / -	- / 8.001	- / 2.840	- / 3.077	- / 1.978	- / -	- / -	- / 25.339	
<i>Subtotal: AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)</i>	- / 3.837	2 / 2.744	2 / 2.862	6 / 8.001	- / -	6 / 8.001	2 / 2.840	2 / 3.077	1 / 1.978	- / -	- / -	15 / 25.339	
<i>Subtotal: Procurement, All Modification Items</i>	- / 3.837	- / 2.744	- / 2.862	- / 8.001	- / -	- / 8.001	- / 2.840	- / 3.077	- / 1.978	- / -	- / -	- / 25.339	
Installation													
<i>Modification Item 1 of 1:</i> AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)	- / 0.000	- / 0.936	- / 0.956	- / 3.021	- / -	- / 3.021	- / 1.033	- / 1.064	- / 0.541	- / -	- / -	- / 7.551	
<i>Subtotal: Installation</i>	- / 0.000	- / 0.936	- / 0.956	- / 3.021	- / -	- / 3.021	- / 1.033	- / 1.064	- / 0.541	- / -	- / -	- / 7.551	
Total													
Total Cost (Procurement + Support + Installation)	3.837	3.680	3.818	11.022	-	11.022	3.873	4.141	2.519	-	-	32.890	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2815 / MATCALs										Modification Number / Title: 1 / AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)											
Modification Item 1 of 1: AN/TPN-31A ATNAVICS ASR Range Extension (MJ455)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Raytheon															Manufacturer Location: >Marlborough, MA																
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: 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		-	/	-	2 / 0.936	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-					
FY 2014		-	/	-	-	/	-	2 / 0.956	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-					
FY 2015		-	/	-	-	/	-	6 / 3.021	-	/	-	6 / 3.021	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-				
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	2 / 1.033	-	/	-	-	/	-	-	/	-	-	/	-					
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	2 / 1.064	-	/	-	-	/	-	-	/	-					
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	1 / 0.541	-	/	-	-	/	-					
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
Total		-	/	-	2 / 0.936	2 / 0.956	6 / 3.021	-	/	-	6 / 3.021	2 / 1.033	2 / 1.064	1 / 0.541	-	/	-	-	/	-	-	/	-	-	/	-					
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	-	-	3	3	-	-	1	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
Out	-	-	-	1	1	-	-	1	1	-	-	3	3	-	-	1	1	-	-	1	1	-	-	1	-	-	-	-	-	-	-
Footnotes: ⁽¹⁾ FY15 increase for necessary Reliability Improvements to resolve obsolescence issues currently in the fleet. The ASR Range Extension is in response to the HQMC APX-25 Requirement Clarification letter dated 05 Jan 2010.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2815 / MATCALs	Modification Number / Title: 2 / Optimized Organizational Maintenance Activity (OOMA) (MJ460)

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	-	-	2.088	-	2.088	2.499	1.758	-	-	-	6.345
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	2.088	-	2.088	2.499	1.758	-	-	-	6.345
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	2.088	-	2.088	2.499	1.758	-	-	-	6.345

(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:

Optimized Organizational Maintenance Activity (OOMA) System is an automated management information system that provides Navy and Marine Corps aviation organizational maintenance units with timely and accurate information to aid managers in their daily management of assigned aircraft and equipment.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2815 / MATCALs				Modification Number / Title: 2 / Optimized Organizational Maintenance Activity (OOMA) (MJ460)					
Models of Systems Affected: NAS/MCAS				Modification Type: Added Capability				Related RDT&E PEs: 0604604N					
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: Optimized Organizational Maintenance Activity (OOMA) (MJ460)													
B Kits													
Recurring													
1.1.1) Equipment - NonOrganic ⁽²⁾	- / -	- / -	- / -	10 / 1.500	- / -	10 / 1.500	10 / 1.575	4 / 0.662	- / -	- / -	- / -	24 / 3.737	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 1.500	- / -	- / 1.500	- / 1.575	- / 0.662	- / -	- / -	- / -	- / 3.737	
Subtotal: Optimized Organizational Maintenance Activity (OOMA) (MJ460)	- / -	- / -	- / -	10 / 1.500	- / -	10 / 1.500	10 / 1.575	4 / 0.662	- / -	- / -	- / -	24 / 3.737	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 1.500	- / -	- / 1.500	- / 1.575	- / 0.662	- / -	- / -	- / -	- / 3.737	
Support (All Modification Items)													
2.1) Integrated Logistics Support	- / -	- / -	- / -	- / 0.219	- / -	- / 0.219	- / 0.241	- / 0.265	- / -	- / -	- / -	- / 0.725	
2.2) Production Engineering	- / -	- / -	- / -	- / 0.319	- / -	- / 0.319	- / 0.363	- / 0.399	- / -	- / -	- / -	- / 1.081	
2.3) Acceptance Testing	- / -	- / -	- / -	- / 0.050	- / -	- / 0.050	- / 0.055	- / 0.061	- / -	- / -	- / -	- / 0.166	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.588	- / -	- / 0.588	- / 0.659	- / 0.725	- / -	- / -	- / -	- / 1.972	
Installation													
Modification Item 1 of 1: Optimized Organizational Maintenance Activity (OOMA) (MJ460)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.265	- / 0.371	- / -	- / -	- / -	- / 0.636	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.265	- / 0.371	- / -	- / -	- / -	- / 0.636	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	2.088	-	2.088	2.499	1.758	-	-	-	6.345	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2815 / MATCALs										Modification Number / Title: 2 / Optimized Organizational Maintenance Activity (OOMA) (MJ460)											
Modification Item 1 of 1: Optimized Organizational Maintenance Activity (OOMA) (MJ460)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD															Manufacturer Location: >TBD																
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 2014																					
Delivery Dates										Jun 2015																					
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		- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.265	- / -	- / -	- / -	- / -	10 / 0.265																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.265	- / -	- / -	- / -	10 / 0.265																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.106	- / -	- / -	- / -	4 / 0.106																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.265	14 / 0.371	- / -	- / -	- / -	24 / 0.636																		
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	-	-	7	7	-	-	-	-	-	-	-	-	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-	7	7	-	-	-	-	-	-	-	-	-	-	-	24
Footnotes: ⁽²⁾ FY15 increase for added 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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment	P-1 Line Item Number / Title: 2831 / Shipboard Air Traffic Control

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>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	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>)	-	-	0.383	-	-	-	-	-	-	-	-	0.383
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:

DESCRIPTION: Shipboard Air Traffic Control (SATC) systems are responsible for safe and expeditious control of air traffic within 50 Nautical Miles of a ship. SATC systems include the air traffic surveillance radar, AN/SPN-43, and the air traffic central tracking and control system, AN/TPX-42, which has two major configurations: Carrier Air Traffic Control Center-Direct Altitude and Identity Readout (CATCC-DAIR) and Amphibious Air Traffic Control Center-Direct Altitude and Identity Readout (AATCC-DAIR). Both DAIR systems use AN/SPN-43 and Identification Friend or Foe (IFF) inputs to track and control aircraft. Obsolescence problems are being addressed through various upgrades in a phased approach. The major upgrades include a series of AN/TPX-42 modification kits requiring various combinations of AN/UYK-44 processor rehost, track processor upgrade, AN/UYQ-70 console, audio recorder, flat panel display, and other components to bring the predecessor system to AN/TPX-42A(V)14 with field changes 1, 2, 3, and 4 configuration and eventually to the Air Traffic Control Console configuration. The AN/SPN-43 radar system is required for the service-life of CVN68-CVN77 & LHA/LHD class ships with no replacement system identified.

Installing Agent: Shipyards and Alteration Installation Teams.

When installation to be made: Selected Restricted Availability (SRA) / Restricted Availability (RAV).

Ships or facilities to receive the equipment: CVNs, LHD/LHAs, Software Support Activity (NAWCAD, St Inigoes, MD), Integrated Combat System Test Facility (San Diego, CA), Landing Systems Test Facility (NAWCAD, Patuxent River, MD), and training sites.

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 / SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	P-3a		-	-	183.115	-	-	7.769	-	-	9.140	-	-	9.366	-	-	-	-	-	9.366

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment												P-1 Line Item Number / Title: 2831 / Shipboard Air Traffic Control									
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			-	-	183.115	-	-	7.769	-	-	9.140	-	-	9.366	-	-	-	-	-	9.366	
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 / SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	P-3a		-	-	9.407	-	-	9.634	-	-	9.640	-	-	9.831	Continuing			Continuing			
Total Gross/Weapon System Cost			-	-	9.407	-	-	9.634	-	-	9.640	-	-	9.831	Continuing			Continuing			
*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: FY 2015 provides funding to procure: three AN/TPX-42 UPG, FC4 kits, three AN/TPX-42 UPG, FC5 kits, three AN/TPX-42 Embedded Trainers, three AN/SPN-43 ECP Upgrade kits and associated support.																					

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2831 / Shipboard Air Traffic Control				Modification Number / Title: 1 / SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)			

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>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	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:

The equipment and installation costs on this P-3a are for individual modification programs that do not exceed \$5 million in either budget or \$10 million in three years. This exhibit summarizes procurement and installation for Cost Codes MP023, MP048, MP049, MP050, MP051, and MP052. Line item "Engineering Changes to Correct Deficiencies" captures unanticipated emergent engineering changes. Inventory Objectives for the below modification programs is set forth in the respective CNO letters authorizing each modification.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2831 / Shipboard Air Traffic Control				Modification Number / Title: 1 / SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)					
Models of Systems Affected: CVNs, L-class				Modification Type: Modernization				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: SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)													
B Kits													
Recurring													
2.1.4) TPX-42 UPG, FC4 - NonOrganic	8 / 0.640	3 / 0.315	3 / 0.320	3 / 0.340	- / -	3 / 0.340	3 / 0.350	3 / 0.360	2 / 0.234	- / -	- / -	25 / 2.559	
2.1.5) TPX-42 UPG, FC5 - NonOrganic	- / -	2 / 1.885	3 / 2.930	3 / 2.955	- / -	3 / 2.955	3 / 2.942	2 / 2.050	3 / 2.803	3 / 3.029	6 / 6.452	25 / 25.046	
2.1.6) TPX-42 Embedded Trainer - NonOrganic	- / -	- / -	3 / 0.675	3 / 0.590	- / -	3 / 0.590	4 / 0.785	6 / 1.417	5 / 1.200	6 / 1.304	- / -	27 / 5.971	
2.1.15) SPN-43 ECP Upgrade - NonOrganic	- / -	3 / 0.817	3 / 0.831	3 / 0.805	- / -	3 / 0.805	4 / 1.051	4 / 1.150	3 / 0.925	3 / 0.930	- / -	23 / 6.509	
2.1.16) Prior Year Equipment - NonOrganic	115 / 157.941	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	115 / 157.941	
Subtotal: Recurring	- / 158.581	- / 3.017	- / 4.756	- / 4.690	- / -	- / 4.690	- / 5.128	- / 4.977	- / 5.162	- / 5.263	- / 6.452	- / 198.026	
Subtotal: SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	123 / 158.581	8 / 3.017	12 / 4.756	12 / 4.690	- / -	12 / 4.690	14 / 5.128	15 / 4.977	13 / 5.162	12 / 5.263	6 / 6.452	215 / 198.026	
Subtotal: Procurement, All Modification Items	- / 158.581	- / 3.017	- / 4.756	- / 4.690	- / -	- / 4.690	- / 5.128	- / 4.977	- / 5.162	- / 5.263	- / 6.452	- / 198.026	
Support (All Modification Items)													
3.1) Engineering Changes to Correct Deficiencies	- / 0.763	- / 0.355	- / 0.372	- / 0.273	- / -	- / 0.273	- / -	- / 0.157	- / -	- / -	- / -	- / 1.920	
3.2) Integrated Logistics Support	- / 2.508	- / 0.193	- / 0.192	- / 0.184	- / -	- / 0.184	- / 0.110	- / 0.161	- / 0.188	- / 0.191	Continuing	Continuing	
3.3) Production Engineering	- / 2.897	- / 0.359	- / 0.357	- / 0.301	- / -	- / 0.301	- / 0.225	- / 0.310	- / 0.264	- / 0.267	Continuing	Continuing	
3.4) Quality Assurance	- / 0.556	- / 0.050	- / 0.050	- / 0.050	- / -	- / 0.050	- / 0.050	- / 0.050	- / 0.042	- / 0.047	Continuing	Continuing	
3.5) Acceptance Test & Evaluation	- / 0.198	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.198	
Subtotal: Support	- / 6.922	- / 0.957	- / 0.971	- / 0.808	- / -	- / 0.808	- / 0.385	- / 0.678	- / 0.494	- / 0.505	Continuing	Continuing	
Installation													
Modification Item 1 of 1: SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)	- / 17.612	- / 3.795	- / 3.413	- / 3.868	- / -	- / 3.868	- / 3.894	- / 3.979	- / 3.984	- / 4.063	- / 6.832	- / 51.440	
Subtotal: Installation	- / 17.612	- / 3.795	- / 3.413	- / 3.868	- / -	- / 3.868	- / 3.894	- / 3.979	- / 3.984	- / 4.063	- / 6.832	- / 51.440	
Total													
Total Cost (Procurement + Support + Installation)	183.115	7.769	9.140	9.366	-	9.366	9.407	9.634	9.640	9.831	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2831 / Shipboard Air Traffic Control	Modification Number / Title: 1 / SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)

Modification Item 1 of 1: SATC Modernization Kit Summary (MP023, MP048, MP049, MP050, MP051, MP052)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAWCAD				Manufacturer Location: >Patuxent River, MD			
Administrative Leadtime (in Months): 6				Production Leadtime (in Months): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Apr 2013	Apr 2014	Apr 2015				
Delivery Dates	Oct 2013	Oct 2014	Oct 2015				

Installation Information

Method of Implementation: Field Change Install Team : Installation Name: SATC Modernization Kit Summary

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	115 / 17.612	8 / 3.795	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	123 / 21.407
FY 2013	- / -	- / -	8 / 3.413	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.413
FY 2014	- / -	- / -	- / -	12 / 3.868	- / -	12 / 3.868	- / -	- / -	- / -	- / -	- / -	12 / 3.868
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	12 / 3.894	- / -	- / -	- / -	- / -	12 / 3.894
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 3.979	- / -	- / -	- / -	14 / 3.979
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 3.984	- / -	- / -	15 / 3.984
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 4.063	- / -	13 / 4.063
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 4.600	12 / 4.600
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.232	6 / 2.232
Total	115 / 17.612	8 / 3.795	8 / 3.413	12 / 3.868	- / -	12 / 3.868	12 / 3.894	14 / 3.979	15 / 3.984	13 / 4.063	18 / 6.832	215 / 51.440

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	115	2	2	2	2	2	3	2	1	3	4	4	1	3	4	4	1	5	4	4	1	5	5	4	1	-	6	7	-	18	215
Out	115	2	2	2	2	2	3	2	1	3	4	4	1	3	4	4	1	5	4	4	1	5	5	4	1	-	6	7	-	18	215

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment							P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing 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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	79.487	12.731	20.798	21.357	-	21.357	21.487	27.954	38.686	42.619	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	79.487	12.731	20.798	21.357	-	21.357	21.487	27.954	38.686	42.619	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	79.487	12.731	20.798	21.357	-	21.357	21.487	27.954	38.686	42.619	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>)	-	0.161	0.881	0.248	-	0.248	0.406	0.108	-	-	-	1.804
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 Automatic Carrier Landing System (ACLS) provides the primary precision electronic guidance for landing aircraft under all weather conditions on CVNs, LHAs, LHDs and selected Naval Air Stations. Many of the components in the system have been in service for more than twenty years. This program funds maintainability, reliability and supportability improvements to existing equipment components that can no longer be maintained and supported, as well as items providing upgraded operational capability. AN/SPN-46 Life Cycle Extension (LCE) sustainment efforts will be supplemented with other changes, as necessary, to offset obsolescence and supportability issues, the need for Commercial Off-The-Shelf (COTS) refresh, and to support system interface requirements. LCE efforts include Radar Control Group Unit 19, Embedded Global Positioning System and Inertial Navigation System (EGI) replacement, Computer Group replacement, Radar Receiver set replacement, Peripheral Display replacement, and Common Console replacement efforts. AN/SPN-41 LCE sustainment efforts will be supplemented with other changes, as necessary, to offset obsolescence and supportability issues and to support systems interface requirements. Additionally, the AN/SPN-41 system is the Joint Precision Approach and Landing System (JPALS) back-up system. FY 2013 provides funding to procure two AN/SPN-46 RAM Pole ACLS Modification kits (PN408), one AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), four AN/SPN-46(V)3 Peripheral Display Kits (PN414), one AN/SPN-46(V)3 Common Console Modification Kit (PN415), two AN/SPN-41(V) Coder Monitor Modification Kit (PN417), and two AN/SPN-41 Radome Hardware Upgrade Modification Kits (PN419). FY 2014 provides funding to procure fourteen ACLS Modification Kits (PN408) which includes two AN/SPN-46 RAM Pole Modification Kits, ten COTS Refresh Kits and two AN/SPN-35 Receiver Transmitters Modification Kits. Also, FY14 procures one AN/SPN-46(V)3 EGI Modification Kits (PN411), two AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), three AN/SPN-46(V)3 Peripheral Display Kits (PN414), five AN/SPN-41(V) Transmitter Modification Kit (PN416), four AN/SPN-41(V) Coder Monitor Modification Kits (PN417), four AN/SPN-41(V) Electronic Drawer Assembly Modification Kits (PN418), and five AN/SPN-41(V)Radome Upgrade Hardware Modification Kits (PN419). FY 2015 provides funding to procure fourteen ACLS modification kits (PN408) which includes six AN/SPN-46 COTS Refresh Modification Kit, three AN/SPN-46 Obsolescence Modification Kits, one AN/SPN-46 RAM Pole Modification Kits and four AN/SPN-35 Receiver Transmitter Modification Kit. Also, FY15 procures three AN/SPN-46(V)3 Radar Set Group Modification Kits (PN413), five AN/SPN-41(V)Transmitter Modification Kits (PN416), five AN/SPN-41(V) Coder Monitor Modification Kit (PN417), five AN/SPN-41(V) Electronic Drawer Assembly Modification Kits (PN418)and six AN/SPN-41(V)Radome Upgrade Hardware Modification Kits (PN419). Installing Agent: Shipyards and Alteration Installation Teams (AITs). Ships or facilities to receive equipment: CVNs, LHAs, LHDs, the In-Service Engineering Agent (ISEA-NAWCAD, St. Inigoes), selected shore sites and the training site. Note: Prior year total amount only accounts for items funded in the current FYDP.												

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System											
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 / ACLS MOD KITS SUMMARY PN408	P-3a		-	-	28.803	-	-	1.973	-	-	6.336	-	-	4.482	-	-	-	-	-	4.482	
P-3a - 2 / AN/SPN-46 (V) 3 EGI PN411	P-3a		-	-	4.781	-	-	0.994	-	-	0.500	-	-	0.561	-	-	-	-	-	0.561	
P-3a - 3 / AN/SPN-46 (V)3 Computer Group (LCE) PN412	P-3a		-	-	4.573	-	-	0.622	-	-	-	-	-	0.602	-	-	-	-	-	0.602	
P-3a - 4 / AN/SPN-46 (V)3 Radar Set Group PN413	P-3a		-	-	7.226	-	-	3.065	-	-	4.119	-	-	4.558	-	-	-	-	-	4.558	
P-3a - 5 / AN/SPN-46 (V)3 Peripheral Display (LCE) PN414	P-3a		-	-	3.802	-	-	1.322	-	-	1.178	-	-	0.267	-	-	-	-	-	0.267	
P-3a - 6 / AN/SPN-46 Common Console(V)3 LCE PN415	P-3a		-	-	9.854	-	-	1.482	-	-	0.180	-	-	-	-	-	-	-	-	-	
P-3a - 7 / AN/SPN-41 Transmitter MOD (LCE) PN416	P-3a		-	-	2.389	-	-	0.042	-	-	1.443	-	-	1.503	-	-	-	-	-	1.503	
P-3a - 8 / AN/SPN-41 Coder Monitor (LCE) PN417	P-3a		-	-	5.964	-	-	0.451	-	-	2.035	-	-	3.046	-	-	-	-	-	3.046	
P-3a - 9 / AN/SPN-41 Electronic Drawer Assembly (LCE) PN418	P-3a		-	-	10.617	-	-	2.002	-	-	3.191	-	-	4.123	-	-	-	-	-	4.123	
P-3a - 10 / AN/SPN-41 Radome Hardware Upgrade (LCE) PN419	P-3a		-	-	1.478	-	-	0.778	-	-	1.816	-	-	2.215	-	-	-	-	-	2.215	
Total Gross/Weapon System Cost			-	-	79.487	-	-	12.731	-	-	20.798	-	-	21.357	-	-	-	-	-	21.357	
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 / ACLS MOD KITS SUMMARY PN408	P-3a		-	-	11.259	-	-	19.411	-	-	38.564	-	-	42.619	Continuing			Continuing			
P-3a - 2 / AN/SPN-46 (V) 3 EGI PN411	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.790	-	-	7.626	

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing 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)
P-3a - 3 / AN/SPN-46 (V)3 Computer Group (LCE) PN412	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.797
P-3a - 4 / AN/SPN-46 (V)3 Radar Set Group PN413	P-3a		-	-	6.314	-	-	1.459	-	-	-	-	-	-	-	-	-	-	-	26.741
P-3a - 5 / AN/SPN-46 (V)3 Peripheral Display (LCE) PN414	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.569
P-3a - 6 / AN/SPN-46 Common Console(V)3 LCE PN415	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.660	-	-	12.176
P-3a - 7 / AN/SPN-41 Transmitter MOD (LCE) PN416	P-3a		-	-	0.405	-	-	1.011	-	-	0.080	-	-	-	-	-	-	-	-	6.873
P-3a - 8 / AN/SPN-41 Coder Monitor (LCE) PN417	P-3a		-	-	1.123	-	-	1.021	-	-	-	-	-	-	-	-	1.390	-	-	15.030
P-3a - 9 / AN/SPN-41 Electronic Drawer Assembly (LCE) PN418	P-3a		-	-	1.335	-	-	3.900	-	-	-	-	-	-	-	-	1.392	-	-	26.560
P-3a - 10 / AN/SPN-41 Radome Hardware Upgrade (LCE) PN419	P-3a		-	-	1.051	-	-	1.152	-	-	0.042	-	-	-	-	-	-	-	-	8.532
Total Gross/Weapon System Cost			-	-	21.487	-	-	27.954	-	-	38.686	-	-	42.619	Continuing			Continuing		
*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 / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 1 / ACLS MOD KITS SUMMARY PN408			
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>)	28.803	1.973	6.336	4.482	-	4.482	11.259	19.411	38.564	42.619	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.803	1.973	6.336	4.482	-	4.482	11.259	19.411	38.564	42.619	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.803	1.973	6.336	4.482	-	4.482	11.259	19.411	38.564	42.619	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:

The equipment and installation costs on this P-3a are for individual modification programs for AN/SPN-35/41/46 systems. Line item "Engineering Changes to Correct Deficiencies" captures anticipated emergent engineering changes. PMA 213 configuration control board approves inventory objectives. Contract and Delivery dates are various.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9					P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 1 / ACLS MOD KITS SUMMARY PN408			
Models of Systems Affected: CVN's L-class, selected shore sites					Modification Type: Modernization					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> ACLS MOD KITS SUMMARY PN408													
B Kits													
Non-Recurring													
1.1.1) AN/SPN-46 TS-3098 - NonOrganic	16 / 1.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 1.670
1.1.2) AN/SPN-41 XMTR MOD - NonOrganic	52 / 0.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	52 / 0.543
1.1.3) AN/SPN-46 COTS Refresh - NonOrganic ⁽¹⁾	- / -	- / -	10 / 4.305	6 / 0.810	- / -	6 / 0.810	13 / 1.920	21 / 5.526	21 / 6.952	21 / 6.000	- / -	- / -	92 / 25.513
1.1.4) AN/SPN-46 Obsolescence - NonOrganic	- / -	- / -	- / -	3 / 0.950	- / -	3 / 0.950	3 / 0.989	8 / 4.188	41 / 18.746	12 / 7.840	- / -	- / -	67 / 32.713
1.1.5) AN/SPN-46 RAM Pole - NonOrganic	7 / 0.351	2 / 0.070	2 / 0.070	1 / 0.035	- / -	1 / 0.035	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.526
1.1.6) AN/SPN-46 Unit 13 MCG - NonOrganic	12 / 0.312	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 0.312
1.1.7) AN/SPN-41 TILS System Integration (LCE) - NonOrganic	1 / 0.503	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.503
1.1.8) AN/SPN-35 Shock Mod - NonOrganic	11 / 1.597	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.597
1.1.9) AN/SPN-35 Antenna Stabilization - NonOrganic	15 / 0.711	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 0.711
1.1.10) AN/SPN-35 UPS Mod - NonOrganic	10 / 0.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.424
1.1.11) AN/SPN-35 Fiber Optic Mod - NonOrganic	7 / 0.081	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 0.081
1.1.12) AN/SPN-35 ACD Mod - NonOrganic	5 / 0.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.003
1.1.13) AN/SPN-35 XMTR Assembly - NonOrganic	4 / 0.819	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.819
1.1.14) AN/SPN-35 Receiver Transmitter Mod - NonOrganic	- / -	- / -	2 / 0.028	4 / 0.056	- / -	4 / 0.056	5 / 0.070	- / -	- / -	- / -	- / -	- / -	11 / 0.154
1.1.15) AN/SPN-46 Radar Control Group Backfit (LCE) - NonOrganic	1 / 0.205	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.205
<i>Subtotal: Non-Recurring</i>	- / 7.219	- / 0.070	- / 4.403	- / 1.851	- / -	- / 1.851	- / 2.979	- / 9.714	- / 25.698	- / 13.840	- / -	- / -	- / 65.774
<i>Subtotal: ACLS MOD KITS SUMMARY PN408</i>	141 / 7.219	2 / 0.070	14 / 4.403	14 / 1.851	- / -	14 / 1.851	21 / 2.979	29 / 9.714	62 / 25.698	33 / 13.840	- / -	- / -	316 / 65.774
<i>Subtotal: Procurement, All Modification Items</i>	- / 7.219	- / 0.070	- / 4.403	- / 1.851	- / -	- / 1.851	- / 2.979	- / 9.714	- / 25.698	- / 13.840	- / -	- / -	- / 65.774
Support (All Modification Items)													
2.1) Engineering Changes to Correct Deficiencies ECO SPN-46	- / 4.474	- / -	- / 0.548	- / 0.603	- / -	- / 0.603	- / 3.723	- / 4.752	- / 5.971	- / 18.649	Continuing	Continuing	
2.2) Engineering Changes to Correct Deficiencies ECO SPN-35	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.611	- / 0.543	- / 2.557	- / 4.711	
2.3) Integrated Logistics Support	- / 2.936	- / -	- / 0.550	- / 0.616	- / -	- / 0.616	- / 0.750	- / 0.950	- / 0.875	- / 0.700	Continuing	Continuing	
2.4) Production Engineering	- / 10.333	- / 0.886	- / 0.700	- / 0.750	- / -	- / 0.750	- / 2.480	- / 1.788	- / 1.750	- / 1.725	Continuing	Continuing	
2.5) Quality Assurance	- / 0.468	- / 0.004	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.150	Continuing	Continuing	
2.6) Acceptance, Test and Evaluation	- / 0.211	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.211	
<i>Subtotal: Support</i>	- / 18.422	- / 0.890	- / 1.898	- / 2.069	- / -	- / 2.069	- / 7.053	- / 7.590	- / 10.307	- / 21.767	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System						Modification Number / Title: 1 / ACLS MOD KITS SUMMARY PN408			
Models of Systems Affected: CVN's L-class, selected shore sites				Modification Type: Modernization						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>	
Installation													
Modification Item 1 of 1: ACLS MOD KITS SUMMARY PN408	- / 3.162	- / 1.013	- / 0.035	- / 0.562	- / -	- / 0.562	- / 1.227	- / 2.107	- / 2.559	- / 7.012	- / 5.152	- / 22.829	
<i>Subtotal: Installation</i>	- / 3.162	- / 1.013	- / 0.035	- / 0.562	- / -	- / 0.562	- / 1.227	- / 2.107	- / 2.559	- / 7.012	- / 5.152	- / 22.829	
Total													
Total Cost (Procurement + Support + Installation)	28.803	1.973	6.336	4.482	-	4.482	11.259	19.411	38.564	42.619	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy											Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9											P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System											Modification Number / Title: 1 / ACLS MOD KITS SUMMARY PN408										
Modification Item 1 of 1: ACLS MOD KITS SUMMARY PN408																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: NAWCAD ⁽²⁾														Manufacturer Location: >Patuxent River, MD																		
Administrative Leadtime <i>(in Months)</i> : 3														Production Leadtime <i>(in Months)</i> : 12																		
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		Dec 2013				Dec 2014				Dec 2015																						
Installation Information																																
Method of Implementation: AIT Alteration Installation Team : Installation Name: ACLS MOD KITS																																
Installation Cost		Prior Years	FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total									
		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>	Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>									
Prior Years		135 / 3.162		6 / 1.013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		141 / 4.175								
FY 2013		- / -		- / -		2 / 0.035		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.035								
FY 2014		- / -		- / -		- / -		14 / 0.562		- / -		14 / 0.562		- / -		- / -		- / -		- / -		- / -		14 / 0.562								
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		14 / 1.227		- / -		- / -		- / -		- / -		14 / 1.227								
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		21 / 2.107		- / -		- / -		- / -		21 / 2.107								
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		29 / 2.559		- / -		- / -		29 / 2.559								
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		62 / 7.012		- / -		62 / 7.012								
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 5.152		33 / 5.152								
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -								
Total		135 / 3.162		6 / 1.013		2 / 0.035		14 / 0.562		- / -		14 / 0.562		14 / 1.227		21 / 2.107		29 / 2.559		62 / 7.012		33 / 5.152		316 / 22.829								
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	135	-	-	6	-	-	-	-	2	-	-	5	9	-	-	-	14	-	-	7	12	2	-	6	14	9	-	24	25	13	33	316
Out	135	-	-	6	-	-	-	-	2	-	-	5	9	-	-	-	14	-	-	7	12	2	-	6	14	9	-	24	25	13	33	316
Footnotes:																																
⁽¹⁾ The increase in the Install Costs from FY15-16 is due to the makeup of the different equipment being installed each year and the hulls where the installs are happening are different. The location of the different installs and projected Design Services Allocation (DSA) costs associated with each install also factor in the increase.																																
⁽²⁾ Contract and delivery dates are various. The inventory Objective increased from 284 to 316 due to the Precision Approach Landing Capability re-alignments.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 2 / AN/SPN-46 (V) 3 EGI PN411

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)	4.781	0.994	0.500	0.561	-	0.561	-	-	-	-	0.790	7.626
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	4.781	0.994	0.500	0.561	-	0.561	-	-	-	-	0.790	7.626
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	4.781	0.994	0.500	0.561	-	0.561	-	-	-	-	0.790	7.626
(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 equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The ASN/139 Carrier Aircraft Inertial Navigation System (CAINS) units used by the AN/SPN-46 (V) as ships motion sensors (P/O Units 17/18) are nearing the end of their service life and are being replaced in the fleet by the ASN/172 Embedded GPS and Inertial Navigation System (EGI). The CAINS units require periodic updates of latitude and longitude that the AN/SPN-46 obtains from GPS receivers in unit 17/18. The EGI ECP will provide supportable sensors for the AN/SPN-46 (V) until the 2020 time frame and allow for the elimination of the GPS receivers in units 17 and 18. The inventory objective for this item is thirteen, of which twelve are OPN-funded and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 2 / AN/SPN-46 (V) 3 EGI PN411				
Models of Systems Affected: CVNs, L-class, selected shore sites				Modification Type: Reliability					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: AN/SPN-46 (V) 3 EGI PN411													
B Kits													
Recurring													
2.1.1) AN/SPN-46(V)3 EGI (LCE) PN411 - NonOrganic (3)	9 / 1.566	- / -	1 / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.510	12 / 2.331	
Subtotal: Recurring	- / 1.566	- / -	- / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.510	- / 2.331	
Subtotal: AN/SPN-46 (V) 3 EGI PN411	9 / 1.566	- / -	1 / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.510	12 / 2.331	
Subtotal: Procurement, All Modification Items	- / 1.566	- / -	- / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.510	- / 2.331	
Support (All Modification Items)													
3.1) Integrated Logistics Support	- / 0.762	- / 0.017	- / 0.015	- / 0.015	- / -	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / 0.809	
3.2) Production Engineering	- / 1.667	- / 0.261	- / 0.220	- / 0.319	- / -	- / 0.319	- / -	- / -	- / -	- / -	- / -	- / 2.467	
3.3) Quality Assurance	- / 0.041	- / 0.011	- / 0.010	- / 0.015	- / -	- / 0.015	- / -	- / -	- / -	- / -	- / -	- / 0.077	
3.4) Initial Training	- / 0.052	- / 0.055	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.107	
3.5) Acceptance Test & Evaluation	- / 0.321	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.321	
Subtotal: Support	- / 2.843	- / 0.344	- / 0.245	- / 0.349	- / -	- / 0.349	- / -	- / -	- / -	- / -	- / -	- / 3.781	
Installation													
Modification Item 1 of 1: AN/SPN-46 (V) 3 EGI PN411	- / 0.372	- / 0.650	- / -	- / 0.212	- / -	- / 0.212	- / -	- / -	- / -	- / -	- / 0.280	- / 1.514	
Subtotal: Installation	- / 0.372	- / 0.650	- / -	- / 0.212	- / -	- / 0.212	- / -	- / -	- / -	- / -	- / 0.280	- / 1.514	
Total													
Total Cost (Procurement + Support + Installation)	4.781	0.994	0.500	0.561	-	0.561	-	-	-	-	0.790	7.626	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System										Modification Number / Title: 2 / AN/SPN-46 (V) 3 EGI PN411											
Modification Item 1 of 1: AN/SPN-46 (V) 3 EGI PN411																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NAWCAD															Manufacturer Location: >Patuxent River, MD																
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 2013																									
Delivery Dates						Dec 2014																									
Installation Information																															
Method of Implementation: Alteration Installation Team (AIT) : Installation Name: AN/SPN-46(V)3 EGI (LCE) PN411																															
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 / 0.372		5 / 0.650		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 1.022					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		1 / 0.212		- / -		1 / 0.212		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.212					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.280		2 / 0.280					
Total		4 / 0.372		5 / 0.650		- / -		1 / 0.212		- / -		1 / 0.212		- / -		- / -		- / -		- / -		- / -		2 / 0.280		12 / 1.514					
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	-	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	12
Out	4	-	-	5	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	12
Footnotes:																															
⁽³⁾ FY13 Equipment reductions are result of Congressional action and Sequestration totaling \$2.954M. FY15 support costs are required in support of the final install occurring in that year.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 3 / AN/SPN-46 (V)3 Computer Group (LCE) PN412

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>)	4.573	0.622	-	0.602	-	0.602	-	-	-	-	-	5.797
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.573	0.622	-	0.602	-	0.602	-	-	-	-	-	5.797
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.573	0.622	-	0.602	-	0.602	-	-	-	-	-	5.797
<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 equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. In response to the increasingly difficult-to-maintain and antiquated CMS 2 software language and to preclude any degradation to the functionality of AN/SPN-46(V)3 in the Fleet by 2010, the CMS2 software language will be converted to mature, higher order language (HOL) C. This effort will leverage the new Radar Control Group (RCG) open architecture by re-hosting the HOL C software on a new Versa Module Eurocard (VME) circuit card that will reside in the Unit 19 VME chassis. The obsolete AN/AYK-14 computers, which currently reside in units 17 and 18, will be eliminated, providing additional space for Maintenance Assistance Modules (MAMs) storage. The inventory objective for this item is thirteen, of which ten are OPN-funded, two are RDT&E and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9					P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 3 / AN/SPN-46 (V)3 Computer Group (LCE) PN412			
Models of Systems Affected: CVNs, L-class, selected shore sites					Modification Type: Reliability					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> AN/SPN-46 (V)3 Computer Group (LCE) PN412													
B Kits													
Recurring													
2.1.1) AN/SPN-46 Computer Group - NonOrganic ⁽⁴⁾	10 / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.031
<i>Subtotal: Recurring</i>	- / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.031
<i>Subtotal: AN/SPN-46 (V)3 Computer Group (LCE) PN412</i>	10 / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.031
<i>Subtotal: Procurement, All Modification Items</i>	- / 2.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.031
Support (All Modification Items)													
3.1) Integrated Logistic Support	- / 0.321	- / 0.005	- / -	- / 0.005	- / -	- / 0.005	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.331
3.2) Production Engineering	- / 0.711	- / 0.022	- / -	- / 0.020	- / -	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.753
3.3) Quality Assurance	- / 0.027	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.027
3.4) Initial Training	- / 0.045	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.045
<i>Subtotal: Support</i>	- / 1.104	- / 0.027	- / -	- / 0.025	- / -	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.156
Installation													
<i>Modification Item 1 of 1:</i> AN/SPN-46 (V)3 Computer Group (LCE) PN412	- / 1.438	- / 0.595	- / -	- / 0.577	- / -	- / 0.577	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.610
<i>Subtotal: Installation</i>	- / 1.438	- / 0.595	- / -	- / 0.577	- / -	- / 0.577	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.610
Total													
Total Cost (Procurement + Support + Installation)	4.573	0.622	-	0.602	-	0.602	-	-	-	-	-	-	5.797

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 3 / AN/SPN-46 (V)3 Computer Group (LCE) PN412

Modification Item 1 of 1: AN/SPN-46 (V)3 Computer Group (LCE) PN412

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAWCAD	Manufacturer Location: >Patuxent River, MD
Administrative Leadtime (<i>in Months</i>): 3	Production Leadtime (<i>in Months</i>): 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: Alteration Installation Team (AIT) : Installation Name: AN/SPN-46 Computer Group

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 / 1.438	- / 0.595	- / -	2 / 0.577	- / 0.000	2 / 0.577	- / -	- / -	- / -	- / -	- / -	10 / 2.610
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 1.438	- / 0.595	- / -	2 / 0.577	- / -	2 / 0.577	- / -	- / -	- / -	- / -	- / -	10 / 2.610

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	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	8	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

Footnotes:

⁽⁴⁾ Note: Advance planning costs in FY13 are for installation occurring 2 years prior to actual install and show as quantity zero.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 4 / AN/SPN-46 (V)3 Radar Set Group PN413

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>)	7.226	3.065	4.119	4.558	-	4.558	6.314	1.459	-	-	-	26.741
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	7.226	3.065	4.119	4.558	-	4.558	6.314	1.459	-	-	-	26.741
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	7.226	3.065	4.119	4.558	-	4.558	6.314	1.459	-	-	-	26.741
<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:

The equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The current AN/SPN-46 (V) 3 receiver houses both Ka and X-band components that are densely packaged. Maintenance on these units is difficult with a high probability of damaging components because of this dense packaging. Some of the RF components are 1960s technology and are no longer manufactured. The Radar Set Group re-packages the RF components using more modern and smaller components thus making the unit much easier to maintain and support. The inventory objective for this item is thirteen, of which eleven are OPN-funded and two SCN-funded. PMA-213 configuration control board approves inventory objectives.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System				Modification Number / Title: 4 / AN/SPN-46 (V)3 Radar Set Group PN413					
Models of Systems Affected: CVNs and selected shore sites				Modification Type: Reliability				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: AN/SPN-46 (V)3 Radar Set Group PN413													
B Kits													
Recurring													
2.1.1) AN/SPN-46 (V)3 Radar Set Group PN413 - NonOrganic ⁽⁵⁾	1 / 4.475	1 / 1.685	2 / 2.280	3 / 3.420	- / -	3 / 3.420	4 / 4.560	- / -	- / -	- / -	- / -	11 / 16.420	
Subtotal: Recurring	- / 4.475	- / 1.685	- / 2.280	- / 3.420	- / -	- / 3.420	- / 4.560	- / -	- / -	- / -	- / -	- / 16.420	
Subtotal: AN/SPN-46 (V)3 Radar Set Group PN413	1 / 4.475	1 / 1.685	2 / 2.280	3 / 3.420	- / -	3 / 3.420	4 / 4.560	- / -	- / -	- / -	- / -	11 / 16.420	
Subtotal: Procurement, All Modification Items	- / 4.475	- / 1.685	- / 2.280	- / 3.420	- / -	- / 3.420	- / 4.560	- / -	- / -	- / -	- / -	- / 16.420	
Support (All Modification Items)													
3.1) Integrated Logistic Support	- / 0.334	- / 0.070	- / 0.022	- / 0.086	- / -	- / 0.086	- / 0.095	- / 0.005	- / -	- / -	- / -	- / 0.612	
3.2) Production Engineering	- / 2.213	- / 0.830	- / 0.613	- / 0.429	- / -	- / 0.429	- / 0.773	- / 0.548	- / -	- / -	- / -	- / 5.406	
3.3) Acceptance Test & Evaluation	- / 0.019	- / 0.306	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.325	
3.4) Quality Assurance	- / 0.065	- / 0.006	- / 0.012	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.083	
3.5) Initial Training	- / 0.050	- / 0.030	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.105	
Subtotal: Support	- / 2.681	- / 1.242	- / 0.672	- / 0.515	- / -	- / 0.515	- / 0.868	- / 0.553	- / -	- / -	- / -	- / 6.531	
Installation													
Modification Item 1 of 1: AN/SPN-46 (V)3 Radar Set Group PN413	- / 0.070	- / 0.138	- / 1.167	- / 0.623	- / -	- / 0.623	- / 0.886	- / 0.906	- / -	- / -	- / -	- / 3.790	
Subtotal: Installation	- / 0.070	- / 0.138	- / 1.167	- / 0.623	- / -	- / 0.623	- / 0.886	- / 0.906	- / -	- / -	- / -	- / 3.790	
Total													
Total Cost (Procurement + Support + Installation)	7.226	3.065	4.119	4.558	-	4.558	6.314	1.459	-	-	-	26.741	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 4 / AN/SPN-46 (V)3 Radar Set Group PN413

Modification Item 1 of 1: AN/SPN-46 (V)3 Radar Set Group PN413

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAWCAD	Manufacturer Location: >Patuxent River, MD
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 2012	Dec 2013	Dec 2014				
Delivery Dates	Dec 2013	Dec 2014	Dec 2015				

Installation Information

Method of Implementation: Alteration Installation Team (AIT) : Installation Name: AN/SPN-46 (V)3 Radar Set Group PN413

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 / 0.070	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.070
FY 2013	- / -	- / 0.138	1 / 0.592	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.730
FY 2014	- / -	- / -	- / 0.575	2 / 0.623	- / -	2 / 0.623	- / -	- / -	- / -	- / -	- / -	2 / 1.198
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.886	- / -	- / -	- / -	- / -	3 / 0.886
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.906	- / -	- / -	- / -	4 / 0.906
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.070	- / 0.138	1 / 1.167	2 / 0.623	- / -	2 / 0.623	3 / 0.886	4 / 0.906	- / -	- / -	- / -	11 / 3.790

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	1	-	-	4	-	-	-	-	-	-	-	-	-	-	11
Out	1	-	-	-	-	-	-	1	-	-	-	2	-	-	-	2	1	-	-	4	-	-	-	-	-	-	-	-	-	-	11

Footnotes:

⁽⁵⁾ Advance planning costs in FY13/FY14 are for installations occurring 1 year prior to actual install and show as quantity zero.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 5 / AN/SPN-46 (V)3 Peripheral Display (LCE) PN414

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>	3.802	1.322	1.178	0.267	-	0.267	-	-	-	-	-	6.569
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.802	1.322	1.178	0.267	-	0.267	-	-	-	-	-	6.569
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.802	1.322	1.178	0.267	-	0.267	-	-	-	-	-	6.569

(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 equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The peripheral upgrade ECP replaces the fixed format displays with programmable displays eliminating the Standard Electronic Module (SEM) and providing total flexibility in format and content of displayed data. The inventory objective for this item is thirteen, of which eleven are OPN-funded and two SCN-funded. PMA-213 configuration control board approves inventory objectives.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 5 / AN/SPN-46 (V)3 Peripheral Display (LCE) PN414				
Models of Systems Affected: CVNs and selected shore sites			Modification Type: Reliability					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: AN/SPN-46 (V)3 Peripheral Display (LCE) PN414													
B Kits													
Recurring													
2.1.1) AN/SPN-46(V)3 Peripheral Display (LCE) - NonOrganic	4 / 0.671	4 / 0.602	3 / 0.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.721	
Subtotal: Recurring	- / 0.671	- / 0.602	- / 0.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.721	
Subtotal: AN/SPN-46 (V)3 Peripheral Display (LCE) PN414	4 / 0.671	4 / 0.602	3 / 0.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 1.721	
Subtotal: Procurement, All Modification Items	- / 0.671	- / 0.602	- / 0.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.721	
Support (All Modification Items)													
3.1) Integrated Logistic Support	- / 0.372	- / 0.010	- / 0.010	- / 0.010	- / -	- / 0.010	- / -	- / -	- / -	- / -	- / -	- / 0.402	
3.2) Production Engineering	- / 2.242	- / 0.054	- / 0.134	- / 0.037	- / -	- / 0.037	- / -	- / -	- / -	- / -	- / -	- / 2.467	
3.3) Quality Assurance	- / 0.047	- / 0.004	- / 0.006	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.057	
3.4) Initial Training	- / 0.050	- / 0.045	- / 0.030	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.125	
Subtotal: Support	- / 2.711	- / 0.113	- / 0.180	- / 0.047	- / -	- / 0.047	- / -	- / -	- / -	- / -	- / -	- / 3.051	
Installation													
Modification Item 1 of 1: AN/SPN-46 (V)3 Peripheral Display (LCE) PN414	- / 0.420	- / 0.607	- / 0.550	- / 0.220	- / -	- / 0.220	- / -	- / -	- / -	- / -	- / -	- / 1.797	
Subtotal: Installation	- / 0.420	- / 0.607	- / 0.550	- / 0.220	- / -	- / 0.220	- / -	- / -	- / -	- / -	- / -	- / 1.797	
Total													
Total Cost (Procurement + Support + Installation)	3.802	1.322	1.178	0.267	-	0.267	-	-	-	-	-	6.569	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System										Modification Number / Title: 5 / AN/SPN-46 (V)3 Peripheral Display (LCE) PN414											
Modification Item 1 of 1: AN/SPN-46 (V)3 Peripheral Display (LCE) PN414																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NAWCAD															Manufacturer Location: >Patuxent River, MD																
Administrative Leadtime (<i>in Months</i>): 3															Production Leadtime (<i>in Months</i>): 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Dec 2013																									
Delivery Dates		Dec 2013				Dec 2014																									
Installation Information																															
Method of Implementation: Alteration Installation Team (AIT) : Installation Name: AN/SPN-46(V)3 Peripheral Display (LCE)																															
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 / 0.420		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.420							
FY 2013		- / -		- / 0.607		4 / 0.550		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.157							
FY 2014		- / -		- / -		- / -		3 / 0.220		- / -		3 / 0.220		- / -		- / -		- / -		- / -		- / -		3 / 0.220							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		4 / 0.420		- / 0.607		4 / 0.550		3 / 0.220		- / -		3 / 0.220		- / -		- / -		- / -		- / -		- / -		11 / 1.797							
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	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Out	4	-	-	-	-	-	-	4	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 6 / AN/SPN-46 Common Console(V)3 LCE PN415

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>)	9.854	1.482	0.180	-	-	-	-	-	-	-	0.660	12.176
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	9.854	1.482	0.180	-	-	-	-	-	-	-	0.660	12.176
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	9.854	1.482	0.180	-	-	-	-	-	-	-	0.660	12.176
(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 equipment and installation costs on this P-3a are for individual modification programs. This modification is part of the AN/SPN-46(V)3 Life Cycle Extension program. The console replacements for one maintenance and two operator AN/SPN-46(V)3 consoles will have the same functionality and capability as the existing fielded consoles. Current consoles are the number two top readiness system degraders and consistently appear in the top 10 Commander Naval Air Pacific (CNAP) Casualty Report (CASREP) List. The replacement consoles, a variant of the OD-22/TPX-42(V) Field Change 3 (FC3) console, readily support HOL C and CMS 2 languages. This ensures that replacement consoles are available for ships that require the console upgrade, before the CMS 2 to C Software upgrade is available for installation. AIR 4.5.8 and AIR 4.5.9 formed a Working Integrated Product Team (WIPT) to ensure open communication and a smooth flow of information during Console Replacement ECP execution. The inventory objective for this item is eleven, of which ten are OPN-funded and one SCN-funded. PMA-213 configuration control board approves inventory objectives.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System				Modification Number / Title: 6 / AN/SPN-46 Common Console(V)3 LCE PN415					
Models of Systems Affected: CVNs and selected shore sites				Modification Type: Reliability				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: AN/SPN-46 Common Console(V)3 LCE PN415													
B Kits													
Recurring													
2.1.1) AN/SPN-46(V)3 Common Console (LCE) PN415 - NonOrganic ⁽⁶⁾	9 / 5.664	1 / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.209	
Subtotal: Recurring	- / 5.664	- / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.209	
Subtotal: AN/SPN-46 Common Console(V)3 LCE PN415	9 / 5.664	1 / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 6.209	
Subtotal: Procurement, All Modification Items	- / 5.664	- / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.209	
Support (All Modification Items)													
3.1) Integrated Logistic Support	- / 0.421	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.421	
3.2) Production Engineering	- / 0.838	- / 0.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.013	
3.3) Quality Assurance	- / 0.071	- / 0.003	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.074	
3.4) Initial Training	- / 0.055	- / 0.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.091	
Subtotal: Support	- / 1.385	- / 0.214	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.599	
Installation													
Modification Item 1 of 1: AN/SPN-46 Common Console(V)3 LCE PN415	- / 2.805	- / 0.723	- / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.660	- / 4.368	
Subtotal: Installation	- / 2.805	- / 0.723	- / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.660	- / 4.368	
Total													
Total Cost (Procurement + Support + Installation)	9.854	1.482	0.180	-	-	-	-	-	-	-	0.660	12.176	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System										Modification Number / Title: 6 / AN/SPN-46 Common Console(V)3 LCE PN415											
Modification Item 1 of 1: AN/SPN-46 Common Console(V)3 LCE PN415																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NAWCAD															Manufacturer Location: >Patuxent River, MD																
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 2012																													
Delivery Dates		Dec 2013																													
Installation Information																															
Method of Implementation: Alteration Installation Team (AIT) : Installation Name: AN/SPN-46(V)3 Common Console (LCE) PN415																															
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 / 2.805	- / 0.723	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.660	9 / 4.188																		
FY 2013		- / -	- / -	1 / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.180																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		7 / 2.805	- / 0.723	1 / 0.180	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.660	10 / 4.368																		
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	10
Out	7	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	10
Footnotes: ⁽⁶⁾ Note: Advance planning costs in FY13 are for installation occurring 1 year prior to actual install and show as quantity zero.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 7 / AN/SPN-41 Transmitter MOD (LCE) PN416

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>	2.389	0.042	1.443	1.503	-	1.503	0.405	1.011	0.080	-	-	6.873
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	2.389	0.042	1.443	1.503	-	1.503	0.405	1.011	0.080	-	-	6.873
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	2.389	0.042	1.443	1.503	-	1.503	0.405	1.011	0.080	-	-	6.873
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost <i>(\$ in Dollars)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

AN/SPN-41 Transmitter MOD (LCE) PN416

The equipment and installation costs on this P-3a are for individual modification programs though it must be installed in conjunction with ECP SPN41-030 and SPN41-034 in order to be fully functional as part of the AN/SPN-41/41A Life Cycle Extension (LCE) program. The existing transmitter is an older technology two-channel SCR line type modulator that is experiencing serious maintainability and obsolescence issues. The transmitter is the number one cost driver and system performance degrader. This change will improve logistic supportability and system maintainability. Lowest Repairable Units (LRUs) CCAs and Built-In Test (BIT) capabilities (LCE only) will be added to transmitter thus reducing cost for shipboard repairs and maintenance.

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LI 2832 - Automatic Carrier Landing System
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 7 / AN/SPN-41 Transmitter MOD (LCE) PN416

Modification Item 1 of 1: AN/SPN-41 Transmitter MOD (LCE) PN416

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAWCAD 4.5.8 ⁽⁸⁾	Manufacturer Location: >Webster Field, St. Inigoes, MD
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 2013	Dec 2014				
Delivery Dates		Dec 2014	Dec 2015				

Installation Information

Method of Implementation: AIT Alteration Team : Installation Name: AN/SPN-41 Transmitter 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	2 / 0.030	- / 0.007	2 / 0.120	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.157
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	5 / 0.165	- / -	5 / 0.165	- / -	- / -	- / -	- / -	- / -	5 / 0.165
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.075	- / -	- / -	- / -	- / -	5 / 0.075
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.015	- / -	- / -	- / -	1 / 0.015
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.080	- / -	- / -	4 / 0.080
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	2 / 0.030	- / 0.007	2 / 0.120	5 / 0.165	- / -	5 / 0.165	5 / 0.075	1 / 0.015	4 / 0.080	- / -	- / -	19 / 0.492

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	-	-	-	5	-	-	-	5	-	-	-	1	-	-	4	-	-	-	-	-	-	-	19
Out	2	-	-	-	-	-	-	2	-	-	-	5	-	-	-	5	-	-	-	1	-	-	4	-	-	-	-	-	-	-	19

Footnotes:

⁽⁷⁾ Due to an FY13 funding reduction (sequestration), FY14 funds will be used to install items procured in FY12 and those items planned for procurement in FY13 have been rescheduled for FY17.

⁽⁸⁾ Advance planning costs in FY13 are for installation occurring 1 year prior to actual install and show as quantity of zero.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 8 / AN/SPN-41 Coder Monitor (LCE) PN417

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>	5.964	0.451	2.035	3.046	-	3.046	1.123	1.021	-	-	1.390	15.030
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	5.964	0.451	2.035	3.046	-	3.046	1.123	1.021	-	-	1.390	15.030
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	5.964	0.451	2.035	3.046	-	3.046	1.123	1.021	-	-	1.390	15.030
<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:

AN/SPN-41 Coder Monitor (LCE) PN417. The equipment and installation costs on this P-3a are for individual modification programs though it must be installed in conjunction with ECP SPN41-030 and SPN41-031 in order to be fully functional as part of the AN/SPN-41/41A Life Cycle Extension program. This change will provide upgrades to AN/SPN-41/41A to improve Operational Availability (Ao) by addressing numerous part obsolescence issues germane to the current aging system. The change will also provide digital interfaces with other shipboard systems including the Joint Precision Approach Landing System (JPALS), and extend the service life of the AN/SPN-41/41A.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 8 / AN/SPN-41 Coder Monitor (LCE) PN417				
Models of Systems Affected: CVN's L-Class, selected shore sites				Modification Type: Modernization					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: AN/SPN-41 Coder Monitor (LCE) PN417													
B Kits													
Recurring													
2.1.1) AN/SPN-41 Coder Monitor (LCE) - NonOrganic ⁽⁹⁾	8 / 2.125	2 / 0.381	4 / 0.772	5 / 0.950	- / -	5 / 0.950	1 / 0.201	2 / 0.410	- / -	- / -	- / -	22 / 4.839	
Subtotal: Recurring	- / 2.125	- / 0.381	- / 0.772	- / 0.950	- / -	- / 0.950	- / 0.201	- / 0.410	- / -	- / -	- / -	- / 4.839	
Subtotal: AN/SPN-41 Coder Monitor (LCE) PN417	8 / 2.125	2 / 0.381	4 / 0.772	5 / 0.950	- / -	5 / 0.950	1 / 0.201	2 / 0.410	- / -	- / -	- / -	22 / 4.839	
Subtotal: Procurement, All Modification Items	- / 2.125	- / 0.381	- / 0.772	- / 0.950	- / -	- / 0.950	- / 0.201	- / 0.410	- / -	- / -	- / -	- / 4.839	
Support (All Modification Items)													
3.1) Integrated Logistic Support	- / 0.865	- / -	- / 0.113	- / 0.082	- / -	- / 0.082	- / 0.097	- / 0.085	- / -	- / -	- / -	- / 1.242	
3.2) Production Engineering	- / 2.235	- / 0.014	- / 0.128	- / 0.232	- / -	- / 0.232	- / 0.224	- / 0.401	- / -	- / -	- / -	- / 3.234	
Subtotal: Support	- / 3.100	- / 0.014	- / 0.241	- / 0.314	- / -	- / 0.314	- / 0.321	- / 0.486	- / -	- / -	- / -	- / 4.476	
Installation													
Modification Item 1 of 1: AN/SPN-41 Coder Monitor (LCE) PN417	- / 0.739	- / 0.056	- / 1.022	- / 1.782	- / -	- / 1.782	- / 0.601	- / 0.125	- / -	- / -	- / 1.390	- / 5.715	
Subtotal: Installation	- / 0.739	- / 0.056	- / 1.022	- / 1.782	- / -	- / 1.782	- / 0.601	- / 0.125	- / -	- / -	- / 1.390	- / 5.715	
Total													
Total Cost (Procurement + Support + Installation)	5.964	0.451	2.035	3.046	-	3.046	1.123	1.021	-	-	1.390	15.030	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 8 / AN/SPN-41 Coder Monitor (LCE) PN417

Modification Item 1 of 1: AN/SPN-41 Coder Monitor (LCE) PN417

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NAWCAD 4.5.8	Manufacturer Location: >Webster Field, St. Inigoes, MD
Administrative Leadtime (<i>in Months</i>): 3	Production Leadtime (<i>in Months</i>): 12

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	Dec 2013	Dec 2014	Dec 2015				

Installation Information

Method of Implementation: Alteration Installation Team AIT : Installation Name: AN/SPN-41 Coder Monitor (LCE)

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 / 0.739	- / 0.056	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.695	8 / 1.490
FY 2013	- / -	- / -	2 / 0.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.681
FY 2014	- / -	- / -	- / 0.341	4 / 1.782	- / -	4 / 1.782	- / -	- / -	- / -	- / -	- / -	4 / 2.123
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.601	- / -	- / -	- / -	- / -	5 / 0.601
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.125	- / -	- / -	- / -	1 / 0.125
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.695	2 / 0.695
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 0.739	- / 0.056	2 / 1.022	4 / 1.782	- / -	4 / 1.782	5 / 0.601	1 / 0.125	- / -	- / -	3 / 1.390	22 / 5.715

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	-	-	-	-	-	-	2	-	-	-	2	2	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	3	22
Out	7	-	-	-	-	-	-	2	-	-	-	2	2	-	-	5	-	-	-	1	-	-	-	-	-	-	-	-	-	3	22

Footnotes:

⁽⁹⁾ Note: Advance planning costs in FY13 are for installation occurring 1 year prior to actual install and show as quantity zero. Advance planning costs in FY14 are for installation occurring 1 year prior to actual install and show as quantity of zero. Location of planned installs and advanced planning costs associated with each installation account for the increased installation costs in FY 2015.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 9 / AN/SPN-41 Electronic Drawer Assembly (LCE) PN418

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>	10.617	2.002	3.191	4.123	-	4.123	1.335	3.900	-	-	1.392	26.560
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	10.617	2.002	3.191	4.123	-	4.123	1.335	3.900	-	-	1.392	26.560
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	10.617	2.002	3.191	4.123	-	4.123	1.335	3.900	-	-	1.392	26.560
<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:

AN/SPN-41 Electronic Drawer Assembly (LCE) PN418. The equipment and installation costs on this P-3a are for individual modification programs though it must be installed in conjunction with ECP SPN41-031 and SPN41-034 in order to be fully functional as part of the AN/SPN-41/41A Life Cycle Extension program. This change will provide upgrades to AN/SPN-41/41A to improve Operational Availability (Ao) by addressing numerous part obsolescence issues germane to the current aging system. The change will also provide digital interfaces with other shipboard systems including the Joint Precision Approach Landing System (JPALS), and extend the service life of the AN/SPN-41/41A.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9					P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 9 / AN/SPN-41 Electronic Drawer Assembly (LCE) PN418			
Models of Systems Affected: CVNs, L-class, selected shore sites					Modification Type: Modernization					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> AN/SPN-41 Electronic Drawer Assembly (LCE) PN418													
B Kits													
Recurring													
2.1.1) AN/SPN-41 Electronic Drawer Assembly (LCE) - NonOrganic ⁽¹⁰⁾	5 / 1.892	- / -	4 / 1.595	5 / 2.028	- / -	5 / 2.028	1 / 0.413	4 / 1.662	- / -	- / -	- / -	- / -	19 / 7.590
<i>Subtotal: Recurring</i>	- / 1.892	- / -	- / 1.595	- / 2.028	- / -	- / 2.028	- / 0.413	- / 1.662	- / -	- / -	- / -	- / -	- / 7.590
<i>Subtotal: AN/SPN-41 Electronic Drawer Assembly (LCE) PN418</i>	5 / 1.892	- / -	4 / 1.595	5 / 2.028	- / -	5 / 2.028	1 / 0.413	4 / 1.662	- / -	- / -	- / -	- / -	19 / 7.590
<i>Subtotal: Procurement, All Modification Items</i>	- / 1.892	- / -	- / 1.595	- / 2.028	- / -	- / 2.028	- / 0.413	- / 1.662	- / -	- / -	- / -	- / -	- / 7.590
Support (All Modification Items)													
3.1) Integrated Logistics	- / 0.867	- / 0.558	- / 0.081	- / 0.081	- / -	- / 0.081	- / 0.097	- / 0.085	- / -	- / -	- / -	- / -	- / 1.769
3.2) Production Engineering	- / 6.688	- / 0.964	- / 0.834	- / 0.232	- / -	- / 0.232	- / 0.224	- / 0.401	- / -	- / -	- / -	- / -	- / 9.343
<i>Subtotal: Support</i>	- / 7.555	- / 1.522	- / 0.915	- / 0.313	- / -	- / 0.313	- / 0.321	- / 0.486	- / -	- / -	- / -	- / -	- / 11.112
Installation													
<i>Modification Item 1 of 1:</i> AN/SPN-41 Electronic Drawer Assembly (LCE) PN418	- / 1.170	- / 0.480	- / 0.681	- / 1.782	- / -	- / 1.782	- / 0.601	- / 1.752	- / -	- / -	- / 1.392	- / -	- / 7.858
<i>Subtotal: Installation</i>	- / 1.170	- / 0.480	- / 0.681	- / 1.782	- / -	- / 1.782	- / 0.601	- / 1.752	- / -	- / -	- / 1.392	- / -	- / 7.858
Total													
Total Cost (Procurement + Support + Installation)	10.617	2.002	3.191	4.123	-	4.123	1.335	3.900	-	-	1.392	-	26.560

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System										Modification Number / Title: 9 / AN/SPN-41 Electronic Drawer Assembly (LCE) PN418												
Modification Item 1 of 1: AN/SPN-41 Electronic Drawer Assembly (LCE) PN418																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: NAWCAD 4.5.8															Manufacturer Location: >Webster Field, St. Inigoes, MD																	
Administrative Leadtime <i>(in Months)</i> : 3															Production Leadtime <i>(in Months)</i> : 12																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates						Dec 2013				Dec 2014																						
Delivery Dates						Dec 2014				Dec 2015																						
Installation Information																																
Method of Implementation: Alteration Installation Team AIT : Installation Name: AN/SPN-41 Electronic Drawer Assembly (LCE)																																
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		3 / 1.170	- / 0.480	2 / 0.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.331																			
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014		- / -	- / -	- / -	4 / 1.782	- / -	4 / 1.782	- / -	- / -	- / -	- / -	- / -	4 / 1.782																			
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.601	- / -	- / -	- / -	- / -	5 / 0.601																			
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.752	- / -	- / -	- / -	1 / 1.752																			
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.392	4 / 1.392																			
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total		3 / 1.170	- / 0.480	2 / 0.681	4 / 1.782	- / -	4 / 1.782	5 / 0.601	1 / 1.752	- / -	- / -	4 / 1.392	19 / 7.858																			
Installation Schedule																																
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
In	3	-	-	-	-	-	-	2	-	-	-	-	4	-	-	-	3	2	-	-	1	-	-	-	-	-	-	-	-	-	4	19
Out	3	-	-	-	-	-	-	2	-	-	-	-	4	-	-	-	3	2	-	-	1	-	-	-	-	-	-	-	-	-	4	19
Footnotes:																																
⁽¹⁰⁾ Note: Advance planning costs in FY13 are for installation occurring 1 year prior to actual install and show as quantity zero.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System	Modification Number / Title: 10 / AN/SPN-41 Radome Hardware Upgrade (LCE) PN419

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>)	1.478	0.778	1.816	2.215	-	2.215	1.051	1.152	0.042	-	-	8.532
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1.478	0.778	1.816	2.215	-	2.215	1.051	1.152	0.042	-	-	8.532
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1.478	0.778	1.816	2.215	-	2.215	1.051	1.152	0.042	-	-	8.532
(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:

AN/SPN-41 Radome Hardware Upgrade (LCE) PN419. The equipment and installation costs on this P-3a are for individual modification programs. This is part of the AN/SPN-41/41A Life Cycle Extension program. This change will improve overall AN/SPN-41/41A Operational Availability (Ao) by addressing extreme environmental issues currently being experienced by the systems in the field. This change increases overall thermal resistance while decreasing solar absorptivity thereby reducing the ambient operating temperature for the equipment inside the radome.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System					Modification Number / Title: 10 / AN/SPN-41 Radome Hardware Upgrade (LCE) PN419				
Models of Systems Affected: CVN's, L-Class, selected shore sites				Modification Type: Modernization					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: AN/SPN-41 Radome Hardware Upgrade (LCE) PN419													
B Kits													
Recurring													
2.1.1) AN/SPN-41 Radome Hardware Upgrade - NonOrganic ⁽¹¹⁾	- / -	2 / 0.673	5 / 1.490	6 / 1.788	- / -	6 / 1.788	2 / 0.596	2 / 0.596	- / -	- / -	- / -	17 / 5.143	
Subtotal: Recurring	- / 0.000	- / 0.673	- / 1.490	- / 1.788	- / -	- / 1.788	- / 0.596	- / 0.596	- / -	- / -	- / -	- / 5.143	
Subtotal: AN/SPN-41 Radome Hardware Upgrade (LCE) PN419	- / -	2 / 0.673	5 / 1.490	6 / 1.788	- / -	6 / 1.788	2 / 0.596	2 / 0.596	- / -	- / -	- / -	17 / 5.143	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.673	- / 1.490	- / 1.788	- / -	- / 1.788	- / 0.596	- / 0.596	- / -	- / -	- / -	- / 5.143	
Support (All Modification Items)													
3.1) Production Engineering	- / 1.478	- / 0.057	- / 0.104	- / 0.135	- / -	- / 0.135	- / 0.170	- / 0.271	- / -	- / -	- / -	- / 2.215	
Subtotal: Support	- / 1.478	- / 0.057	- / 0.104	- / 0.135	- / -	- / 0.135	- / 0.170	- / 0.271	- / -	- / -	- / -	- / 2.215	
Installation													
Modification Item 1 of 1: AN/SPN-41 Radome Hardware Upgrade (LCE) PN419	- / 0.000	- / 0.048	- / 0.222	- / 0.292	- / -	- / 0.292	- / 0.285	- / 0.285	- / 0.042	- / -	- / -	- / 1.174	
Subtotal: Installation	- / 0.000	- / 0.048	- / 0.222	- / 0.292	- / -	- / 0.292	- / 0.285	- / 0.285	- / 0.042	- / -	- / -	- / 1.174	
Total													
Total Cost (Procurement + Support + Installation)	1.478	0.778	1.816	2.215	-	2.215	1.051	1.152	0.042	-	-	8.532	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2832 / Automatic Carrier Landing System										Modification Number / Title: 10 / AN/SPN-41 Radome Hardware Upgrade (LCE) PN419											
Modification Item 1 of 1: AN/SPN-41 Radome Hardware Upgrade (LCE) PN419																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NAWCAD 4.5.8													Manufacturer Location: >Webster Field, St. Inigoes, MD																		
Administrative Leadtime <i>(in Months)</i> : 3													Production Leadtime <i>(in Months)</i> : 7																		
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		Jul 2013				Jul 2014				Jul 2015																					
Installation Information																															
Method of Implementation: Alteration Installation Team AIT : Installation Name: AN/SPN-41 Radome Hardware 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		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2013		- / -	- / 0.048		2 / 0.111		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.159						
FY 2014		- / -	- / -		2 / 0.111		3 / 0.292		- / -		3 / 0.292		- / -		- / -		- / -		- / -		- / -		- / -		5 / 0.403						
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		6 / 0.285		- / -		- / -		- / -		- / -		- / -		6 / 0.285						
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.285		- / -		- / -		- / -		- / -		2 / 0.285						
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.042		- / -		- / -		- / -		2 / 0.042						
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -	- / 0.048		4 / 0.222		3 / 0.292		- / -		3 / 0.292		6 / 0.285		2 / 0.285		2 / 0.042		- / -		- / -		- / -		17 / 1.174						
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	-	2	3	1	-	1	-	1	-	1	1	-	-	-	-	-	-	-	17
Out	-	-	-	-	-	-	2	-	2	-	2	1	-	2	3	1	-	1	-	1	-	1	1	-	-	-	-	-	-	-	17
Footnotes: ⁽¹¹⁾ Note: Advance planning costs in FY13 are for installation occurring 1 year prior to actual install and show as quantity zero.																															

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment										P-1 Line Item Number / Title: 2840 / National Air Space System			
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: 537				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>)	299.454	14.201	19.754	26.639	-	26.639	26.463	28.869	31.359	31.997	Continuing	Continuing	
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) (<i>\$ in Millions</i>)	299.454	14.201	19.754	26.639	-	26.639	26.463	28.869	31.359	31.997	Continuing	Continuing	
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority (<i>\$ in Millions</i>)	299.454	14.201	19.754	26.639	-	26.639	26.463	28.869	31.359	31.997	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>)	-	0.199	1.299	2.228	-	2.228	3.354	3.657	3.481	2.256	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 Joint Department of Defense (DOD)/Federal Aviation Administration (FAA) National Airspace System (NAS) Modernization (MOD) program upgrades the DOD Air Traffic Control (ATC) systems at Approach Control Facilities in concert with the FAA's upgrade of the National ATC System. These funds will procure ATC systems for the Navy/Marine ATC facilities. The Air Force is the DOD lead activity for the Joint Acquisition Program. The Joint Program Office (JPO) is located at Hanscom AFB, MA. The NAS Mod program received a full rate production decision on 7 June 2005 and is in the production and deployment phase following Milestone C. *Prior years total includes funding associated with cost elements no longer funded by this 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)
P-3a - 1 / CB010 - DoD Advanced Automation System (DAAS)	P-3a		-	-	111.211	-	-	3.118	-	-	6.729	-	-	4.561	-	-	-	-	-	4.561
P-3a - 2 / CB-030 Digital Airport Surveillance Radar (DASR)	P-3a		-	-	138.198	-	-	8.479	-	-	4.186	-	-	3.615	-	-	-	-	-	3.615

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment												P-1 Line Item Number / Title: 2840 / National Air Space System									
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: 537						Item MDAP/MAIS Code(s):															

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 / CB040 Tower Automation System (TAS)	P-3a		-	-	50.045	-	-	2.604	-	-	3.628	-	-	3.040	-	-	-	-	-	3.040
P-3a - 4 / CB050 STARS TECH Refresh Upgrade	P-3a		-	-	0.000	-	-	-	-	-	1.324	-	-	3.124	-	-	-	-	-	3.124
P-3a - 5 / CB060 DASR Tech Refresh Upgrade	P-3a		-	-	0.000	-	-	-	-	-	0.853	-	-	1.206	-	-	-	-	-	1.206
P-3a - 6 / CB070 TAS Tech Refresh	P-3a		-	-	0.000	-	-	-	-	-	3.034	-	-	7.769	-	-	-	-	-	7.769
P-3a - 7 / CB080 Next Generation Voice Switch	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	3.324	-	-	-	-	-	3.324
Total Gross/Weapon System Cost			-	-	299.454	-	-	14.201	-	-	19.754	-	-	26.639	-	-	-	-	-	26.639

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 / CB010 - DoD Advanced Automation System (DAAS)	P-3a		-	-	4.118	-	-	4.974	-	-	4.244	-	-	1.163	-	-	-	-	-	140.118
P-3a - 2 / CB-030 Digital Airport Surveillance Radar (DASR)	P-3a		-	-	2.125	-	-	-	-	-	-	-	-	-	-	-	-	-	-	156.603
P-3a - 3 / CB040 Tower Automation System (TAS)	P-3a		-	-	0.997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	60.314
P-3a - 4 / CB050 STARS TECH Refresh Upgrade	P-3a		-	-	4.283	-	-	5.801	-	-	7.991	-	-	10.195	Continuing			Continuing		
P-3a - 5 / CB060 DASR Tech Refresh Upgrade	P-3a		-	-	1.488	-	-	3.402	-	-	2.880	-	-	6.470	Continuing			Continuing		
P-3a - 6 / CB070 TAS Tech Refresh	P-3a		-	-	9.475	-	-	5.891	-	-	4.703	-	-	1.429	-	-	-	-	-	32.301
P-3a - 7 / CB080 Next Generation Voice Switch	P-3a		-	-	3.977	-	-	8.801	-	-	11.541	-	-	12.740	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	26.463	-	-	28.869	-	-	31.359	-	-	31.997	Continuing			Continuing		

*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:
 The Federal Aviation Administration (FAA) began the Next Generation Air Transportation System (NGATS) initiative in FY2008. A major component of this capability is Automatic Dependent Surveillance Broadcast (ADS-B), which will provide aircraft position information to augment ground-based radar. Existing Department of Defense (DOD) Air Traffic Control (ATC) facilities interface with FAA's facilities,

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment		P-1 Line Item Number / Title: 2840 / National Air Space System
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: 537	Item MDAP/MAIS Code(s):	
therefore the military must maintain interoperability and retain vital special-use airspace for combat readiness training. The DoD Advanced Automation System (DAAS) must be upgraded to meet this requirement. FY2015 provides funding to procure 1 DAAS; 2 TAS; 4 STARS Tech Refresh; 1 DASR Tech Refresh, and 18 TAS Tech Refresh; and 2 Next Generation Voice Switch.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 1 / CB010 - DoD Advanced Automation System (DAAS)

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>)	111.211	3.118	6.729	4.561	-	4.561	4.118	4.974	4.244	1.163	-	140.118
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	111.211	3.118	6.729	4.561	-	4.561	4.118	4.974	4.244	1.163	-	140.118
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	111.211	3.118	6.729	4.561	-	4.561	4.118	4.974	4.244	1.163	-	140.118
<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 DAAS is being developed as part of a joint Department of Defense (DOD)/Federal Aviation Administration (FAA) program to modernize and standardize Air Traffic Control (ATC) equipment in the National Airspace System. The systems will be installed in Navy ATC facilities to replace aging, obsolete equipment and comply with joint DOD/FAA modernization program agreements. DAAS provides for processors and displays for tower and approach controls. Inventory objective of 47.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 1 / CB010 - DoD Advanced Automation System (DAAS)				
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N				
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: CB010 - DoD Advanced Automation System (DAAS)												
B Kits												
Recurring												
2.1.1) End Item - NonOrganic ⁽¹⁾	40 / 42.460	- / -	2 / 2.019	1 / 0.451	- / -	1 / 0.451	1 / 0.895	2 / 1.816	1 / 0.935	- / -	- / -	47 / 48.576
2.1.2) ECP/OCIR - Organic ⁽²⁾	- / 1.137	- / 0.950	- / 0.500	- / 0.950	- / -	- / 0.950	- / 0.750	- / 0.500	- / 0.558	- / -	- / -	- / 5.345
Subtotal: Recurring	- / 43.597	- / 0.950	- / 2.519	- / 1.401	- / -	- / 1.401	- / 1.645	- / 2.316	- / 1.493	- / -	- / -	- / 53.921
Non-Recurring												
2.2.1) Training Equipment - Organic	3 / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.726
Subtotal: Non-Recurring	- / 1.726	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.726
Subtotal: CB010 - DoD Advanced Automation System (DAAS)	43 / 45.323	- / 0.950	2 / 2.519	1 / 1.401	- / -	1 / 1.401	1 / 1.645	2 / 2.316	1 / 1.493	- / -	- / -	50 / 55.647
Subtotal: Procurement, All Modification Items	- / 45.323	- / 0.950	- / 2.519	- / 1.401	- / -	- / 1.401	- / 1.645	- / 2.316	- / 1.493	- / -	- / -	- / 55.647
Support (All Modification Items)												
3.1) Integrated Logistics Support	- / 2.745	- / 0.318	- / 0.050	- / 0.025	- / -	- / 0.025	- / 0.100	- / 0.102	- / 0.097	- / 0.050	- / -	- / 3.487
3.2) Production Engineering	- / 19.620	- / 1.050	- / 1.106	- / 0.717	- / -	- / 0.717	- / 0.838	- / 0.663	- / 0.564	- / 0.255	- / -	- / 24.813
3.3) Initial Training	- / 0.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.255
Subtotal: Support	- / 22.620	- / 1.368	- / 1.156	- / 0.742	- / -	- / 0.742	- / 0.938	- / 0.765	- / 0.661	- / 0.305	- / -	- / 28.555
Installation												
Modification Item 1 of 1: CB010 - DoD Advanced Automation System (DAAS)	- / 43.268	- / 0.800	- / 3.054	- / 2.418	- / -	- / 2.418	- / 1.535	- / 1.893	- / 2.090	- / 0.858	- / -	- / 55.916
Subtotal: Installation	- / 43.268	- / 0.800	- / 3.054	- / 2.418	- / -	- / 2.418	- / 1.535	- / 1.893	- / 2.090	- / 0.858	- / -	- / 55.916
Total												
Total Cost (Procurement + Support + Installation)	111.211	3.118	6.729	4.561	-	4.561	4.118	4.974	4.244	1.163	-	140.118

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2840 / National Air Space System										Modification Number / Title: 1 / CB010 - DoD Advanced Automation System (DAAS)																			
Modification Item 1 of 1: CB010 - DoD Advanced Automation System (DAAS)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: Raytheon															Manufacturer Location: >Marlborough, MA																								
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 2014				Mar 2015																													
Delivery Dates						Mar 2015				Mar 2016																													
Installation Information																																							
Method of Implementation: AIT : Installation Name: End Item																																							
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		38 / 43.268		1 / 0.800		1 / 0.918		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		40 / 44.986													
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
FY 2014		- / -		- / -		- / 2.136		2 / 1.888		- / -		2 / 1.888		- / -		- / -		- / -		- / -		- / -		- / -		2 / 4.024													
FY 2015		- / -		- / -		- / -		- / 0.530		- / -		- / 0.530		1 / 0.985		- / -		- / -		- / -		- / -		- / -		1 / 1.515													
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.550		1 / 1.043		- / -		- / -		- / -		- / -		1 / 1.593													
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.850		2 / 1.490		- / -		- / -		- / -		2 / 2.340													
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / 0.600		1 / 0.858		- / -		- / -		1 / 1.458													
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -													
Total		38 / 43.268		1 / 0.800		1 / 3.054		2 / 2.418		- / -		2 / 2.418		1 / 1.535		1 / 1.893		2 / 2.090		1 / 0.858		- / -		- / -		47 / 55.916													
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	38	-	1	-	-	-	1	-	-	-	1	1	-	-	1	-	-	-	1	-	-	-	1	1	-	-	1	-	-	-	47								
Out	38	-	-	1	-	-	-	1	-	-	-	1	1	-	-	1	-	-	1	-	-	-	-	1	1	-	-	1	-	-	47								
Method of Implementation (Organic): Not Installed - Training Equipment																														Installation Quantity: 3									
Footnotes:																																							

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 1 / CB010 - DoD Advanced Automation System (DAAS)

(1) DAAS - AP costs for Installation occur 1 year prior to actual install and show as quantity zero.

(2) ECP funding increase in FY15 provides for an ECP necessary to integrate the DAAS into the existing Fleet Area Control and Surveillance Facilities (FACSFAC).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 2 / CB-030 Digital Airport Surveillance Radar (DASR)

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>	138.198	8.479	4.186	3.615	-	3.615	2.125	-	-	-	-	156.603
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	138.198	8.479	4.186	3.615	-	3.615	2.125	-	-	-	-	156.603
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	138.198	8.479	4.186	3.615	-	3.615	2.125	-	-	-	-	156.603
<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 DASR was developed as part of a joint Department of Defense (DOD)/Federal Aviation Administration (FAA) program to modernize and standardize Air Traffic Control (ATC) equipment in the National Airspace System. The DASR is being installed in Navy ATC facilities to replace aging, obsolete approach control radars and comply with joint DOD/FAA modernization program agreements. Inventory objective of 29 DASR.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 2 / CB-030 Digital Airport Surveillance Radar (DASR)					
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N					
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: CB-030 Digital Airport Surveillance Radar (DASR)													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic ⁽³⁾	28 / 89.256	1 / 4.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 93.806	
Subtotal: Recurring	- / 89.256	- / 4.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 93.806	
Subtotal: CB-030 Digital Airport Surveillance Radar (DASR)	28 / 89.256	1 / 4.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	29 / 93.806	
Subtotal: Procurement, All Modification Items	- / 89.256	- / 4.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 93.806	
Support (All Modification Items)													
3.1) Integrated Logistics Support	- / 3.077	- / 0.183	- / 0.186	- / 0.025	- / -	- / 0.025	- / 0.015	- / -	- / -	- / -	- / -	- / 3.486	
3.2) Production Engineering	- / 12.846	- / 0.632	- / 0.600	- / 0.405	- / -	- / 0.405	- / 0.150	- / -	- / -	- / -	- / -	- / 14.633	
Subtotal: Support	- / 15.923	- / 0.815	- / 0.786	- / 0.430	- / -	- / 0.430	- / 0.165	- / -	- / -	- / -	- / -	- / 18.119	
Installation													
Modification Item 1 of 1: CB-030 Digital Airport Surveillance Radar (DASR)	- / 33.019	- / 3.114	- / 3.400	- / 3.185	- / -	- / 3.185	- / 1.960	- / -	- / -	- / -	- / -	- / 44.678	
Subtotal: Installation	- / 33.019	- / 3.114	- / 3.400	- / 3.185	- / -	- / 3.185	- / 1.960	- / -	- / -	- / -	- / -	- / 44.678	
Total													
Total Cost (Procurement + Support + Installation)	138.198	8.479	4.186	3.615	-	3.615	2.125	-	-	-	-	156.603	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 2 / CB-030 Digital Airport Surveillance Radar (DASR)

Modification Item 1 of 1: CB-030 Digital Airport Surveillance Radar (DASR)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon	Manufacturer Location: >Marlborough, 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	Mar 2013						
Delivery Dates	Mar 2015						

Installation Information

Method of Implementation: AIT : Installation Name: End Item

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 / 33.019	1 / 3.114	2 / 3.400	2 / 3.185	- / 0.000	2 / 3.185	1 / 0.905	- / -	- / -	- / -	- / -	25 / 43.623
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.055	- / -	- / -	- / -	- / -	1 / 1.055
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	19 / 33.019	1 / 3.114	2 / 3.400	2 / 3.185	- / -	2 / 3.185	2 / 1.960	- / -	- / -	- / -	- / -	26 / 44.678

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	-	1	-	-	-	1	1	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	19	-	-	1	-	-	-	1	1	-	-	1	1	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

Footnotes:

⁽³⁾ (1) DASR - Advanced Planning costs for Installation occur 1 year prior to actual install and show as quantity zero. (2) NOTE: - Quantity of procurements and quantity of installs do not match because three radar installations were funded and completed by the FAA.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 3 / CB040 Tower Automation System (TAS)

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>)	50.045	2.604	3.628	3.040	-	3.040	0.997	-	-	-	-	60.314
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	50.045	2.604	3.628	3.040	-	3.040	0.997	-	-	-	-	60.314
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	50.045	2.604	3.628	3.040	-	3.040	0.997	-	-	-	-	60.314

(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 TAS was developed as part of a joint Department of Defense (DOD)/Federal Aviation Administration (FAA) program to modernize and standardize Air Traffic Control (ATC) equipment in the National Airspace System. The TAS is being installed in Navy ATC facilities to replace aging, obsolete equipment and comply with joint DOD/FAA modernization program agreements. Inventory objective of 58 TAS.

This effort includes Engineering Change Proposal (ECP) efforts directly related to the TAS Tech Refresh efforts detailed in cost element CB070 of this budget. The ECP introduces new capability into a common workstation that eliminates a separate visual communications (VISCOM) alert indicator. The nature of that consolidation creates an interdependency with CB070; which addresses severe obsolescence issues that render the current workstation configuration unsupportable. Both software and hardware for these two cost elements overlap and require concurrent efforts. Delay or interruption to either CB040 and/or CB070 causes a break in fleet capability and negatively impacts both flight safety and operator workload.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 3 / CB040 Tower Automation System (TAS)					
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N					
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: CB040 Tower Automation System (TAS)													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic ⁽⁴⁾	51 / 14.603	1 / 0.275	4 / 0.787	2 / 0.525	- / -	2 / 0.525	- / -	- / -	- / -	- / -	- / -	58 / 16.190	
2.1.2) ECP/OCIR - Organic	- / 0.100	- / 0.955	- / 0.963	- / 0.355	- / -	- / 0.355	- / -	- / -	- / -	- / -	- / -	- / 2.373	
Subtotal: Recurring	- / 14.703	- / 1.230	- / 1.750	- / 0.880	- / -	- / 0.880	- / -	- / -	- / -	- / -	- / -	- / 18.563	
Subtotal: CB040 Tower Automation System (TAS)	51 / 14.703	1 / 1.230	4 / 1.750	2 / 0.880	- / -	2 / 0.880	- / -	- / -	- / -	- / -	- / -	58 / 18.563	
Subtotal: Procurement, All Modification Items	- / 14.703	- / 1.230	- / 1.750	- / 0.880	- / -	- / 0.880	- / -	- / -	- / -	- / -	- / -	- / 18.563	
Support (All Modification Items)													
3.1) Integrated Logistics Support	- / 2.423	- / 0.150	- / 0.143	- / 0.120	- / -	- / 0.120	- / 0.050	- / -	- / -	- / -	- / -	- / 2.886	
3.2) Production Engineering	- / 23.468	- / 1.000	- / 1.200	- / 0.560	- / -	- / 0.560	- / 0.250	- / -	- / -	- / -	- / -	- / 26.478	
Subtotal: Support	- / 25.891	- / 1.150	- / 1.343	- / 0.680	- / -	- / 0.680	- / 0.300	- / -	- / -	- / -	- / -	- / 29.364	
Installation													
Modification Item 1 of 1: CB040 Tower Automation System (TAS)	- / 9.451	- / 0.224	- / 0.535	- / 1.480	- / -	- / 1.480	- / 0.697	- / -	- / -	- / -	- / -	- / 12.387	
Subtotal: Installation	- / 9.451	- / 0.224	- / 0.535	- / 1.480	- / -	- / 1.480	- / 0.697	- / -	- / -	- / -	- / -	- / 12.387	
Total													
Total Cost (Procurement + Support + Installation)	50.045	2.604	3.628	3.040	-	3.040	0.997	-	-	-	-	60.314	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 3 / CB040 Tower Automation System (TAS)

Modification Item 1 of 1: CB040 Tower Automation System (TAS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Pen-Tech				Manufacturer Location: >Charleston, SC			
Administrative Leadtime (in Months): 4				Production Leadtime (in Months): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Jan 2014	Jan 2015				
Delivery Dates	Jan 2014	Jan 2015	Jan 2016				

Installation Information

Method of Implementation: AIT : Installation Name: End Item

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	49 / 9.451	1 / 0.224	1 / 0.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	51 / 9.926
FY 2013	- / -	- / -	1 / 0.251	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.251
FY 2014	- / -	- / -	- / 0.033	4 / 0.951	- / -	4 / 0.951	- / -	- / -	- / -	- / -	- / -	4 / 0.984
FY 2015	- / -	- / -	- / -	- / 0.529	- / -	- / 0.529	2 / 0.697	- / -	- / -	- / -	- / -	2 / 1.226
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	49 / 9.451	1 / 0.224	2 / 0.535	4 / 1.480	- / -	4 / 1.480	2 / 0.697	- / -	- / -	- / -	- / -	58 / 12.387

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	49	-	1	-	-	-	2	-	-	-	2	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58
Out	49	-	-	1	-	-	-	2	-	-	-	2	2	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	58

Footnotes:

⁽⁴⁾ (1) TAS - Advanced Planning costs for Installation occur 1 year prior to actual install and show as quantity zero.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 4 / CB050 STARS TECH Refresh 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>)	0.000	-	1.324	3.124	-	3.124	4.283	5.801	7.991	10.195	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.324	3.124	-	3.124	4.283	5.801	7.991	10.195	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.324	3.124	-	3.124	4.283	5.801	7.991	10.195	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:

The Standard Terminal Automation Replacement System (STARS) is a joint Department of Defense (DOD) and Department of Transportation Federal Aviation Administration (FAA) program to modernize terminal air traffic control automation systems. The STARS contract was awarded by the FAA on September 16, 1996, and ends September 30, 2012. The FAA anticipates the award of a contract for system maintenance, system technical refresh, and system enhancements through fiscal year 2017. The FAA began the Next Generation Air Transportation System (NGATS) initiative in FY2008. A major component of this capability is Automatic Dependent Surveillance Broadcast (ADS-B), which will provide aircraft position information in place of ground-based radar. The DoD version of STARS (DAAS) must be upgraded to meet this requirement.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System					Modification Number / Title: 4 / CB050 STARS TECH Refresh Upgrade				
Models of Systems Affected: NAS				Modification Type: AIT					Related RDT&E PEs: 0604504N				
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: CB050 STARS TECH Refresh Upgrade													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic		- / -	- / -	1 / 0.655	4 / 2.200	- / -	4 / 2.200	4 / 2.300	6 / 3.618	8 / 5.116	10 / 6.460	15 / 11.509	48 / 31.858
Subtotal: Recurring		- / 0.000	- / -	- / 0.655	- / 2.200	- / -	- / 2.200	- / 2.300	- / 3.618	- / 5.116	- / 6.460	- / 11.509	- / 31.858
Subtotal: CB050 STARS TECH Refresh Upgrade		- / -	- / -	1 / 0.655	4 / 2.200	- / -	4 / 2.200	4 / 2.300	6 / 3.618	8 / 5.116	10 / 6.460	15 / 11.509	48 / 31.858
Subtotal: Procurement, All Modification Items		- / 0.000	- / -	- / 0.655	- / 2.200	- / -	- / 2.200	- / 2.300	- / 3.618	- / 5.116	- / 6.460	- / 11.509	- / 31.858
Support (All Modification Items)													
3.1) Integrated Logistics Support		- / -	- / -	- / 0.369	- / 0.150	- / -	- / 0.150	- / 0.160	- / 0.150	- / 0.150	- / 0.150	Continuing	Continuing
3.2) Production Engineering		- / -	- / -	- / 0.300	- / 0.395	- / -	- / 0.395	- / 0.425	- / 0.584	- / 0.536	- / 0.545	Continuing	Continuing
Subtotal: Support		- / 0.000	- / -	- / 0.669	- / 0.545	- / -	- / 0.545	- / 0.585	- / 0.734	- / 0.686	- / 0.695	Continuing	Continuing
Installation													
Modification Item 1 of 1: CB050 STARS TECH Refresh Upgrade		- / 0.000	- / -	- / -	- / 0.379	- / -	- / 0.379	- / 1.398	- / 1.449	- / 2.189	- / 3.040	- / 9.975	- / 18.430
Subtotal: Installation		- / 0.000	- / -	- / -	- / 0.379	- / -	- / 0.379	- / 1.398	- / 1.449	- / 2.189	- / 3.040	- / 9.975	- / 18.430
Total													
Total Cost (Procurement + Support + Installation)		0.000	-	1.324	3.124	-	3.124	4.283	5.801	7.991	10.195	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 4 / CB050 STARS TECH Refresh Upgrade																							
Modification Item 1 of 1: CB050 STARS TECH Refresh Upgrade																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD							Manufacturer Location: >TBD																								
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 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: End Item																															
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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014	- / -	- / -	- / -	1 / 0.379	- / -	1 / 0.379	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.379																		
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.398	- / -	- / -	- / -	- / -	- / -	4 / 1.398																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.449	- / -	- / -	- / -	- / -	4 / 1.449																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.189	- / -	- / -	- / -	6 / 2.189																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.040	- / -	- / -	8 / 3.040																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 3.900	10 / 3.900																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 6.075	15 / 6.075																			
Total	- / -	- / -	- / -	1 / 0.379	- / -	1 / 0.379	4 / 1.398	4 / 1.449	6 / 2.189	8 / 3.040	25 / 9.975	48 / 18.430																			
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	-	-	2	2	-	-	3	3	-	-	3	3	2	25	48
Out	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	2	-	-	-	2	2	-	3	3	-	-	3	3	2	25	48

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 5 / CB060 DASR Tech Refresh 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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	0.000	-	0.853	1.206	-	1.206	1.488	3.402	2.880	6.470	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	0.000	-	0.853	1.206	-	1.206	1.488	3.402	2.880	6.470	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	0.000	-	0.853	1.206	-	1.206	1.488	3.402	2.880	6.470	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Dollars)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Federal Aviation Administration (FAA) Digital Airport Surveillance Radar (DASR) Technology Refresh is an ongoing program to address obsolescence and maintenance issues and is being accomplished in sequential 5-year segments. The Segment 1 program replaces and upgrades obsolete Commercial Off-The-Shelf (COTS) hardware and software to ensure the continued reliable and cost effective operation of the radar system through its designated lifecycle. Segment 1 is well defined and provides increased functionality by replacing existing Signal Data Processors (SDPs) with an Advanced Signal Data Processor (ASDP). The major objectives of Segment 1 are: 1) Install replacement kits for the SDP and eliminate the Low Overhead Array Processors, 2) Use scalable hardware and software architecture to permit easy future growth with minimal cost and effort, and 3) Address system In-Service Decision open action items. Segment 2 is being defined by the FAA to identify parts obsolescence, operational performance deficiencies, or other areas requiring technology refresh including upgrades to mitigate wind turbine interference.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 5 / CB060 DASR Tech Refresh Upgrade					
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N					
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: CB060 DASR Tech Refresh Upgrade													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic ⁽⁵⁾	- / -	- / -	- / -	1 / 0.576	- / -	1 / 0.576	1 / 0.610	4 / 2.456	3 / 1.182	8 / 4.951	12 / 7.020	29 / 16.795	
2.1.2) ECP - Organic	- / -	- / -	- / 0.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.550	
Subtotal: Recurring	- / 0.000	- / -	- / 0.550	- / 0.576	- / -	- / 0.576	- / 0.610	- / 2.456	- / 1.182	- / 4.951	- / 7.020	- / 17.345	
Subtotal: CB060 DASR Tech Refresh Upgrade	- / -	- / -	- / 0.550	1 / 0.576	- / -	1 / 0.576	1 / 0.610	4 / 2.456	3 / 1.182	8 / 4.951	12 / 7.020	29 / 17.345	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 0.550	- / 0.576	- / -	- / 0.576	- / 0.610	- / 2.456	- / 1.182	- / 4.951	- / 7.020	- / 17.345	
Support (All Modification Items)													
3.1) Integrated Logistics Support	- / -	- / -	- / 0.020	- / 0.160	- / -	- / 0.160	- / 0.180	- / 0.187	- / 0.190	- / 0.200	Continuing	Continuing	
3.2) Production Engineering	- / -	- / -	- / 0.283	- / 0.470	- / -	- / 0.470	- / 0.534	- / 0.595	- / 0.808	- / 0.770	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / 0.303	- / 0.630	- / -	- / 0.630	- / 0.714	- / 0.782	- / 0.998	- / 0.970	Continuing	Continuing	
Installation													
Modification Item 1 of 1: CB060 DASR Tech Refresh Upgrade	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.164	- / 0.164	- / 0.700	- / 0.549	- / 4.040	- / 5.617	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.164	- / 0.164	- / 0.700	- / 0.549	- / 4.040	- / 5.617	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	0.853	1.206	-	1.206	1.488	3.402	2.880	6.470	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 5 / CB060 DASR Tech Refresh Upgrade																							
Modification Item 1 of 1: CB060 DASR Tech Refresh Upgrade																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD							Manufacturer Location: >TBD																								
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 2015	Mar 2016	Mar 2017	Mar 2018	Mar 2019																								
Delivery Dates			Mar 2016	Mar 2017	Mar 2018	Mar 2019	Mar 2020																								
Installation Information																															
Method of Implementation: AIT : Installation Name: End Item																															
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	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.164	- / -	- / -	- / -	- / -	- / -	1 / 0.164																		
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.164	- / -	- / -	- / -	- / -	1 / 0.164																		
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.700	- / -	- / -	- / -	4 / 0.700																		
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.549	- / -	- / -	3 / 0.549																		
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.568	- / -	8 / 1.568																		
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 2.472	- / -	12 / 2.472																		
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.164	1 / 0.164	4 / 0.700	3 / 0.549	20 / 4.040	- / -	29 / 5.617																		
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	-	-	2	1	-	20	29
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	2	-	-	2	1	20	29
Footnotes: (5) DASR Tech Refresh Upgrade Inventory Objective is 29 to align with the 29 DASRs (CB030) that the USN has procured.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2840 / National Air Space System	Modification Number / Title: 6 / CB070 TAS 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	-	3.034	7.769	-	7.769	9.475	5.891	4.703	1.429	-	32.301
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	3.034	7.769	-	7.769	9.475	5.891	4.703	1.429	-	32.301
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	3.034	7.769	-	7.769	9.475	5.891	4.703	1.429	-	32.301
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Tower Automation Systems have been fielded since 2001 and are experiencing obsolescence and Information Assurance (IA) issues. These upgrades will address these obsolescence and IA issues as well as maintain compatibility with the FAA's Next Generation (NextGen) Air Transportation System initiatives. Additionally, these upgrades will enhance system performance to provide Common Access Card utilization, multi-source weather reporting and Tactical Air Control Navigation (TACAN) control. In order to achieve the modernization of the National Air Space (NAS) envisioned by NextGen, the FAA is developing a Terminal Flight Data Management (TFDM) platform that integrates flight data systems and decision support tools. The TFDM program is an integrated approach to maximize the efficient collection, distribution, and update of data and improve access to information necessary for the safe and efficient control of air traffic. The TAS will be upgraded to be consistent with the FAA TFDM.

This effort includes TAS Tech Refresh efforts directly related to the Engineering Change Proposal (ECP) efforts detailed in cost element CB040 of this budget. The ECP introduces new capability into a common workstation that eliminates a separate visual communications (VISCOM) alert indicator. The nature of that consolidation creates an interdependency with CB040; which addresses severe obsolescence issues that render the current workstation configuration unsupportable. Both software and hardware for these two cost elements overlap and require concurrent efforts. Delay or interruption to either CB040 and/or CB070 causes a break in fleet capability and negatively impacts both flight safety and operator workload.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 6 / CB070 TAS Tech Refresh				
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N				
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: CB070 TAS Tech Refresh												
B Kits												
Recurring												
2.1.1) End Item - NonOrganic												
- / -												
Subtotal: Recurring												
- / 0.000												
Subtotal: CB070 TAS Tech Refresh												
- / -												
Subtotal: Procurement, All Modification Items												
- / 0.000												
Support (All Modification Items)												
3.1) Integrated Logistics Support												
- / -												
3.2) Production Engineering												
- / -												
Subtotal: Support												
- / 0.000												
Installation												
Modification Item 1 of 1: CB070 TAS Tech Refresh												
- / 0.000												
Subtotal: Installation												
- / 0.000												
Total												
Total Cost (Procurement + Support + Installation)												
0.000												
-												
3.034												
7.769												
-												
7.769												
9.475												
5.891												
4.703												
1.429												
-												
32.301												

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																																
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2840 / National Air Space System										Modification Number / Title: 6 / CB070 TAS Tech Refresh																						
Modification Item 1 of 1: CB070 TAS Tech Refresh																																										
Modification Item MDAP/MAIS Code:																																										
Manufacturer Information																																										
Manufacturer Name: TBD															Manufacturer Location: >TBD																											
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: End Item																																										
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>					
Prior Years		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-						
FY 2013		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-						
FY 2014		-		/		-		-		/		-		6 / 0.734		-		/		-		6 / 0.734		-		/		-		-		/		-		6 / 0.734						
FY 2015		-		/		-		-		/		-		-		/		-		-		/		18 / 2.153		-		/		-		-		/		18 / 2.153						
FY 2016		-		/		-		-		/		-		-		/		-		-		/		-		18 / 2.163		-		/		-		-		/		18 / 2.163				
FY 2017		-		/		-		-		/		-		-		/		-		-		/		-		8 / 0.879		-		/		-		-		/		8 / 0.879				
FY 2018		-		/		-		-		/		-		-		/		-		-		/		-		-		/		8 / 1.029		-		/		-		8 / 1.029				
FY 2019		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-				
To Complete		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-		/		-		-				
Total		-		/		-		-		/		-		6 / 0.734		-		/		-		6 / 0.734		18 / 2.153		18 / 2.163		8 / 0.879		8 / 1.029		-		/		-		58 / 6.958				
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	-	-	9	9	-	-	9	9	-	-	4	4	-	-	4	4	-	-	-	-	-									
Out	-	-	-	-	-	-	-	-	-	-	-	3	3	-	-	9	9	-	-	9	9	-	-	4	4	-	-	4	4	-	-	4	4	-	-	-	-					

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 7 / CB080 Next Generation Voice Switch			

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	-	-	3.324	-	3.324	3.977	8.801	11.541	12.740	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	-	-	3.324	-	3.324	3.977	8.801	11.541	12.740	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	-	-	3.324	-	3.324	3.977	8.801	11.541	12.740	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:

The FAA NAS Voice Switch (NVS) is a forward-looking program to replace national airspace system (NAS) voice switches with a new technology switching system capable of supporting future requirements for the Next Generation Air Transportation System (NextGen). Many of these switches are experiencing increasing obsolescence and failures and are in need of replacement. They are not capable of supporting flexible reallocation of access to communications resources, and lack security needed for a network-based communications infrastructure, which is a key concept in modernization of the NAS. The NVS program will provide a key transitional element in the air traffic control voice communications infrastructure as it moves toward realizing the FAAs NextGen vision and a more operationally efficient and economic NAS.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2840 / National Air Space System				Modification Number / Title: 7 / CB080 Next Generation Voice Switch					
Models of Systems Affected: NAS				Modification Type: Added Capability				Related RDT&E PEs: 0604504N					
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: CB080 Next Generation Voice Switch													
B Kits													
Recurring													
2.1.1) End Item - NonOrganic	- / -	- / -	- / -	2 / 2.506	- / -	2 / 2.506	2 / 2.506	6 / 7.462	7 / 8.800	8 / 9.698	33 / 41.349	58 / 72.321	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 2.506	- / -	- / 2.506	- / 2.506	- / 7.462	- / 8.800	- / 9.698	- / 41.349	- / 72.321	
Subtotal: CB080 Next Generation Voice Switch	- / -	- / -	- / -	2 / 2.506	- / -	2 / 2.506	2 / 2.506	6 / 7.462	7 / 8.800	8 / 9.698	33 / 41.349	58 / 72.321	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 2.506	- / -	- / 2.506	- / 2.506	- / 7.462	- / 8.800	- / 9.698	- / 41.349	- / 72.321	
Support (All Modification Items)													
3.1) Integrated Logistics Support	- / -	- / -	- / -	- / 0.288	- / -	- / 0.288	- / 0.288	- / 0.200	- / 0.220	- / 0.120	Continuing	Continuing	
3.2) Production Engineering	- / -	- / -	- / -	- / 0.530	- / -	- / 0.530	- / 0.530	- / 0.481	- / 0.550	- / 0.575	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.818	- / -	- / 0.818	- / 0.818	- / 0.681	- / 0.770	- / 0.695	Continuing	Continuing	
Installation													
Modification Item 1 of 1: CB080 Next Generation Voice Switch	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.653	- / 0.658	- / 1.971	- / 2.347	- / 14.475	- / 20.104	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.653	- / 0.658	- / 1.971	- / 2.347	- / 14.475	- / 20.104	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	3.324	-	3.324	3.977	8.801	11.541	12.740	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2840 / National Air Space System										Modification Number / Title: 7 / CB080 Next Generation Voice Switch											
Modification Item 1 of 1: CB080 Next Generation Voice Switch																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: TBD															Manufacturer Location: >TBD																
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 2015				Mar 2016				Mar 2017				Mar 2018				Mar 2019					
Delivery Dates										Mar 2016				Mar 2017				Mar 2018				Mar 2019				Mar 2020					
Installation Information																															
Method of Implementation: AIT : Installation Name: End Item																															
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 / 0.653		- / -		- / -		- / -		- / -		- / -		2 / 0.653					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.658		- / -		- / -		- / -		- / -		2 / 0.658					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 1.971		- / -		- / -		- / -		6 / 1.971					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		7 / 2.347		- / -		- / -		7 / 2.347					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 2.760		- / -		8 / 2.760					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 11.715		- / -		33 / 11.715					
Total		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.653		2 / 0.658		6 / 1.971		7 / 2.347		41 / 14.475		- / -		58 / 20.104					
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	-	-	3	3	-	-	4	3	-	41	58
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	3	3	-	-	4	3	41	58

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment						P-1 Line Item Number / Title: 2845 / Fleet Air Traffic Control Systems						
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)	178.599	6.270	8.909	9.214	-	9.214	8.551	8.726	8.866	9.054	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	178.599	6.270	8.909	9.214	-	9.214	8.551	8.726	8.866	9.054	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	178.599	6.270	8.909	9.214	-	9.214	8.551	8.726	8.866	9.054	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.227	0.347	0.759	-	0.759	0.731	0.695	0.664	0.543	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: NAVAIR provides shore based Air Traffic Control (ATC) terminal facilities and equipment that are required in joint efforts to efficiently and safely monitor and direct military and commercial air traffic in national and international air space. Many of these systems are required to interface through automated means with the Federal Aviation Administration (FAA). Additionally, NAVAIR has material support responsibility for Air Navigation Aid Systems, Mobile ATC Equipment, Special Instrumentation Systems, and Ancillary Equipment used at Navy and Marine Corps Aviation Shore activities in the continental United States and overseas. Engineering Change Proposal (ECP)/Operational Capability Improvement Request (OCIR) modernization (MR069) - The ECP/OCIR program provides for the procurement and/or modification of critically needed communications, radar, displays, data processors, and other electronic systems/equipment at Navy/Marine Corps ATC facilities worldwide. ECP/OCIR procurements replace and modernize costly-to-maintain systems and equipment in order to increase ATC efficiency and safety, and reduce total ownership costs. Communications Systems Upgrade Program (MR408) - This program procures and installs advanced commercial state-of-the-art ATC voice switching and recording/reproduction equipment. Fiber Optic Intersite System (FOIS) Upgrade Program (MR430) - FOIS is required for Precision Approach Radar (PAR) operations and the AN/FAC-6(V)4 FOIS is required for ATC voice communications at Naval and Marine Corps ATC facilities. This program ensures continued capability of these critical ATC systems. UHF/VHF Transceiver Replacement Program (MR440) - This program modernizes aging Navy and Marine Corps UHF/VHF Transceivers that are the central core of all ATC emergency communications. Emergency Communication System (ECS) Upgrade Program (MR445) - This program modernizes obsolete and unsupportable ECS equipment. Voice Switches, Recorders, Reproducers, Uninterruptable Power Supplies, and Built-In Test Equipment will be replaced with modern, supportable components. Recorder Upgrade Program (MR455) - This program procures and installs state-of-the-art ATC recording/reproducing equipment which will be used to replace aging ATC recorder systems through participation in the FAA's Next Generation Recorder Program. Air Field Lighting Control System (AFLCS) (MR510) - This program modernizes obsolete and unsupportable AFLCS equipment which will be replaced with modern, supportable components.												

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment	P-1 Line Item Number / Title: 2845 / Fleet Air Traffic Control Systems

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Fleet Area Control and Surveillance Facilities (FACSFAC) Tech Refresh (MR515) - This program modernizes obsolete and unsupportable Commercial Off The Shelf (COTS) equipment in the AN/FYK-39 FACSFAC Air Control and Tracking System (FACTS).		

* Prior year total amount accounts for items funded in the current FYDP.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Fleet Air Traffic Control Systems	P-5		-	-	178.599	-	-	6.270	-	-	8.909	-	-	9.214	-	-	-	-	-	9.214
Total Gross/Weapon System Cost			-	-	178.599	-	-	6.270	-	-	8.909	-	-	9.214	-	-	-	-	-	9.214

*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:

The basis for the FY2015 budget request is to continue modernizing aging Navy and Marine Corps ATC facilities and equipment in order to safely monitor and direct military and commercial air traffic in national and international air space. This equipment must continue to interface through automated means with the FAA.

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9							P-1 Line Item Number / Title: 2845 / Fleet Air Traffic Control Systems							Item Number / Title [DODIC]: 1 / Fleet Air Traffic Control Systems						
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>					178.599		6.270		8.909		9.214		-		9.214					
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-					
Net Procurement (P1) <i>(\$ in Millions)</i>					178.599		6.270		8.909		9.214		-		9.214					
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-					
Total Obligation Authority <i>(\$ in Millions)</i>					178.599		6.270		8.909		9.214		-		9.214					
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares <i>(\$ in Millions)</i>					-		0.227		0.347		0.759		-		0.759					
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 - Fleet ATC - Hardware Cost																				
Recurring Cost																				
1.1.1) MR069 ECP/OCIR			52,242.11	190	9.926	-	-	-	105,700.00	10	1.057	96,100.00	10	0.961	-	-	-	96,100.00	10	0.961
1.1.2) MR408 COMM System Upgrade			316,648.15	54	17.099	599,000.00	2	1.198	428,250.00	4	1.713	430,000.00	1	0.430	-	-	-	430,000.00	1	0.430
1.1.3) MR430 Fiber Optic Intersite Upgrade			172,130.43	23	3.959	185,000.00	3	0.555	200,000.00	3	0.600	204,000.00	6	1.224	-	-	-	204,000.00	6	1.224
1.1.4) MR440 UHF/VHF Transceiver Replacement			16,622.22	135	2.244	18,650.00	20	0.373	18,550.00	20	0.371	20,000.00	20	0.400	-	-	-	20,000.00	20	0.400
1.1.5) MR445 Emergency Communication System (ECS) Upgrade			395,066.67	15	5.926	504,333.33	3	1.513	405,000.00	3	1.215	413,000.00	4	1.652	-	-	-	413,000.00	4	1.652
1.1.6) MR455 ATC Recorder Upgrade Program			83,363.64	44	3.668	41,000.00	1	0.041	92,860.00	7	0.650	94,714.29	7	0.663	-	-	-	94,714.29	7	0.663
1.1.7) MR510 Air Field Lighting Control System			-	-	-	-	-	-	-	-	-	300,000.00	1	0.300	-	-	-	300,000.00	1	0.300
1.1.8) MR515 FACSAC Air Control & Tracking System			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost			-	-	42.822	-	-	3.680	-	-	5.606	-	-	5.630	-	-	-	-	-	5.630
Subtotal: Hardware - Fleet ATC - Hardware Cost			-	-	42.822	-	-	3.680	-	-	5.606	-	-	5.630	-	-	-	-	-	5.630

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9							P-1 Line Item Number / Title: 2845 / Fleet Air Traffic Control Systems							Item Number / Title [DODIC]: 1 / Fleet Air Traffic Control Systems					
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 - Other Cost																			
2.1) Other Costs		-	-	135.777	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Fleet ATC Integrated Logistics Support (MR800)		-	-	-	-	-	0.195	-	-	0.135	-	-	0.276	-	-	-	-	-	0.276
2.3) Fleet ATC Production Engineering (MR830)		-	-	-	-	-	0.613	-	-	0.339	-	-	0.448	-	-	-	-	-	0.448
2.4) Fleet ATC Installs		-	-	-	-	-	1.782	-	-	2.829	-	-	2.860	-	-	-	-	-	2.860
Subtotal: Support - Other Cost		-	-	135.777	-	-	2.590	-	-	3.303	-	-	3.584	-	-	-	-	-	3.584
Gross/Weapon System Cost		-	-	178.599	-	-	6.270	-	-	8.909	-	-	9.214	-	-	-	-	-	9.214

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment							P-1 Line Item Number / Title: 2846 / Landing Systems					
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>)	64.865	5.834	13.554	13.902	-	13.902	20.050	25.658	27.427	32.117	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	64.865	5.834	13.554	13.902	-	13.902	20.050	25.658	27.427	32.117	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	64.865	5.834	13.554	13.902	-	13.902	20.050	25.658	27.427	32.117	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>)	-	0.027	0.034	0.051	-	0.051	0.044	0.045	0.045	0.046	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 Chief of Naval Operations (CNO) tasked Naval Air Systems Command (NAVAIR) with the requirement to provide shore based Air Traffic Control (ATC) terminal facilities and equipment that are required to efficiently and safely monitor and direct military and commercial air traffic in national and international air space. Many of these systems are required to interface through automated means with the Federal Aviation Administration (FAA). Additionally, NAVAIR has material support responsibility for Air Navigation Aid Systems, Mobile ATC Equipment, Special Instrumentation Systems, and Ancillary Equipment used for ATC and Landing Systems (LS) by the Navy and Marine Corps. This Landing Systems program, in conjunction with the Fleet ATC Systems and the National Airspace System Modernization program provide the three pillars by which the Navy supports and meets established requirements to modernize and ensure reliable, safe and effective operations of ATC & LS used at the Navy and Marine Corps air stations worldwide. This Landing Systems budget provides funding to modernize and ensure the reliability of Precision Approach Radars (PAR), Tactical Air Navigation (TACAN) systems, and other air navigation aids used by the Navy and Marine Corps. PAR Commercial-off-the-shelf (COTS) Upgrade Engineering Change Proposals (ECPs) update old technology and extend the service life of the PAR. The PAR Upgrade ECPs consist of the Modulator Board Upgrade ECP, the Antenna Upgrade ECP, the Configuration Upgrade ECP, the Turntable Upgrade ECP, the Fiber Optic Intersite System (FOIS) ECP, the Angle Voltage Generator (AVG) Upgrade ECP, and the Technology Refresh Upgrade ECP. TACAN Upgrade ECPs update old technology and extend the service life of the TACAN. The TACAN sustainment consists of the Antenna Upgrade ECP, the Shelter Upgrade ECP and the Beacon Upgrade ECP.												

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment	P-1 Line Item Number / Title: 2846 / Landing Systems

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)
Item - 1 / Landing Systems	P-5		-	-	60.990	-	-	2.646	-	-	5.010	-	-	4.267	-	-	-	-	-	4.267
P-3a - 1 / AN/FPN-63 PAR TECH REFRESH (X1036)	P-3a		-	-	3.875	-	-	3.188	-	-	8.544	-	-	8.635	-	-	-	-	-	8.635
P-3a - 2 / PAR COTS ILS Upgrade (X1037)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
P-3a - 3 / TACAN Antenna Upgrade (X1043)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.500	-	-	-	-	-	0.500
Total Gross/Weapon System Cost			-	-	64.865	-	-	5.834	-	-	13.554	-	-	13.902	-	-	-	-	-	13.902
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)
Item - 1 / Landing Systems	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / AN/FPN-63 PAR TECH REFRESH (X1036)	P-3a		-	-	8.832	-	-	8.716	-	-	8.963	-	-	9.141	-	-	41.718	-	-	101.612
P-3a - 2 / PAR COTS ILS Upgrade (X1037)	P-3a		-	-	3.315	-	-	7.135	-	-	8.172	-	-	9.518	Continuing			Continuing		
P-3a - 3 / TACAN Antenna Upgrade (X1043)	P-3a		-	-	3.746	-	-	5.368	-	-	6.257	-	-	9.337	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	20.050	-	-	25.658	-	-	27.427	-	-	32.117	Continuing			Continuing		

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

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

Justification:

FY2015 provides funding to procure 3 PAR Tech Refresh and 8 TACAN Beacon Upgrades.

Prior years total amount only accounts for items funded in the current FYDP.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems						Item Number / Title [DODIC]: 1 / Landing Systems									
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>)		60.990	2.646	5.010	4.267	-	4.267	-	-	-	-	-	-						
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (<i>\$ in Millions</i>)		60.990	2.646	5.010	4.267	-	4.267	-	-	-	-	-	-						
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (<i>\$ in Millions</i>)		60.990	2.646	5.010	4.267	-	4.267	-	-	-	-	-	-						
(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 - Landing Systems Cost																			
Recurring Cost																			
1.1.1) X1030 PAR AVG Upgrade		93,485.71	35	3.272	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) X1031 PAR FOIS		75,285.71	14	1.054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) X1032 PAR TURNTABLE UPGRADE		185,300.00	30	5.559	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) X1033 - PAR CONFIGURATION UPGRADE		71,903.85	52	3.739	20,170.00	12	0.242	20,230.77	13	0.263	-	-	-	-	-	-	-	-	-
1.1.5) X1040 - TACAN SHELTER UPGRADE		296,500.00	16	4.744	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) X1041 - TACAN ANTENNA UPGRADE		69,558.14	43	2.991	45.45	44	0.002	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) X1042 - TACAN BEACON UPGRADE		172,256.41	39	6.718	-	-	-	203,625.00	8	1.629	207,250.00	8	1.658	-	-	-	207,250.00	8	1.658
Subtotal: Recurring Cost		-	-	28.077	-	-	0.244	-	-	1.892	-	-	1.658	-	-	-	-	-	1.658
Subtotal: Hardware - Landing Systems Cost		-	-	28.077	-	-	0.244	-	-	1.892	-	-	1.658	-	-	-	-	-	1.658
Support - Other Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9								P-1 Line Item Number / Title: 2846 / Landing Systems								Item Number / Title [DODIC]: 1 / Landing Systems			

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) X1800 - Landing Systems Integrated Logistics Support		-	-	0.000	-	-	0.524	-	-	0.684	-	-	0.693	-	-	-	-	-	0.693
2.2) X1830 - Landing Systems Production Engineering		-	-	0.000	-	-	1.291	-	-	1.731	-	-	1.396	-	-	-	-	-	1.396
2.3) X1840 - Landing Systems Quality Assurance		-	-	0.000	-	-	0.100	-	-	0.148	-	-	0.152	-	-	-	-	-	0.152
2.4) X1900 - Landing System Installs		-	-	0.000	-	-	0.487	-	-	0.555	-	-	0.368	-	-	-	-	-	0.368
2.5) Other Support ⁽¹⁾		-	-	32.913	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Other Cost</i>		-	-	32.913	-	-	2.402	-	-	3.118	-	-	2.609	-	-	-	-	-	2.609
Gross/Weapon System Cost		-	-	60.990	-	-	2.646	-	-	5.010	-	-	4.267	-	-	-	-	-	4.267

Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
Hardware - Landing Systems Cost																			
Recurring Cost																			
1.1.1) X1030 PAR AVG Upgrade		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) X1031 PAR FOIS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) X1032 PAR TURNABLE UPGRADE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) X1033 - PAR CONFIGURATION UPGRADE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) X1040 - TACAN SHELTER UPGRADE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) X1041 - TACAN ANTENNA UPGRADE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) X1042 - TACAN BEACON UPGRADE		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9								P-1 Line Item Number / Title: 2846 / Landing Systems							Item Number / Title [DODIC]: 1 / Landing Systems				
Cost Elements	ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
		Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$)	Qty (Each)	Total Cost (\$ M)
<i>Subtotal: Hardware - Landing Systems Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Other Cost																			
2.1) X1800 - Landing Systems Integrated Logistics Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) X1830 - Landing Systems Production Engineering		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) X1840 - Landing Systems Quality Assurance		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) X1900 - Landing System Installs		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Other Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - Other Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:
⁽¹⁾ Other Support includes Production Engineering, Integrated Logistics Support, Quality Assurance, and Install costs prior to FY2013.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2846 / Landing Systems	Modification Number / Title: 1 / AN/FPN-63 PAR TECH REFRESH (X1036)

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>)	3.875	3.188	8.544	8.635	-	8.635	8.832	8.716	8.963	9.141	41.718	101.612
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	3.875	3.188	8.544	8.635	-	8.635	8.832	8.716	8.963	9.141	41.718	101.612
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	3.875	3.188	8.544	8.635	-	8.635	8.832	8.716	8.963	9.141	41.718	101.612
<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 Engineering Change Proposal (ECP) constitutes Block 2 and 3 of the Service Life Extension Program for the AN/FPN-63. It will extend the service life to at least 2025 by replacing obsolete receiver/transmitter assemblies, radar video processors, and controller displays with state-of-the-art assemblies/displays. This upgrade will also correct numerous human factors issues. This ECP will be accomplished on 36 deployed AN/FPN-63 Precision Approach Radar (PAR) Systems.

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LI 2846 - Landing Systems
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2846 / Landing Systems										Modification Number / Title: 1 / AN/FPN-63 PAR TECH REFRESH (X1036)											
Modification Item 1 of 1: AN/FPN-63 PAR TECH REFRESH (X1036)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: MOOG															Manufacturer Location: >Salt Lake City, Utah																
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		Apr 2013				Dec 2013				Dec 2014																					
Delivery Dates		May 2014				Jan 2015				Jan 2016																					
Installation Information																															
Method of Implementation: Alteration Installation Team AIT : Installation Name: Trandes																															
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 / 0.050	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.050																		
FY 2013		- / -	- / -	1 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.200																		
FY 2014		- / -	- / -	- / -	3 / 0.595	- / -	3 / 0.595	- / -	- / -	- / -	- / -	- / -	3 / 0.595																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.595	- / -	- / -	- / -	- / -	3 / 0.595																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.595	- / -	- / -	- / -	3 / 0.595																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.596	- / -	- / -	3 / 0.596																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.596	- / -	3 / 0.596																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.618	3 / 0.618																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 3.100	16 / 3.100																		
Total		- / -	1 / 0.050	1 / 0.200	3 / 0.595	- / -	3 / 0.595	3 / 0.595	3 / 0.595	3 / 0.596	3 / 0.596	19 / 3.718	36 / 6.945																		
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	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	19	36
Out	-	-	-	-	1	-	-	1	-	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	-	1	1	1	19	36

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 2 / PAR COTS ILS Upgrade (X1037)			

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	-	-	0.500	-	0.500	3.315	7.135	8.172	9.518	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	0.500	-	0.500	3.315	7.135	8.172	9.518	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	0.500	-	0.500	3.315	7.135	8.172	9.518	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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

FY15 new start. The Precision Approach Radar (PAR) is an aging system with multiple obsolete parts, and requires updating to ensure the system stays relevant through the year 2030 to bridge the gap in converting Naval aircraft to be Instrument Landing System (ILS) capable, a change precipitated by schedule changes to the Joint Precision Approach and Landing Systems (JPALS) program. Due to obsolescence, the AN/FPN-63 needs additional spare parts to meet needs of the Navy. Currently, parts can only be obtained through cannabilization, and updated PARs are required to meet the needs of Naval Aviation until the ILS conversion is complete. ILS will provide an unmanned Precision Approach capability which will greatly reduce associated manpower costs currently required.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 2 / PAR COTS ILS Upgrade (X1037)					
Models of Systems Affected: AN/FPN-63				Modification Type: ECP - Modernization				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: PAR COTS ILS Upgrade (X1037)													
B Kits													
Recurring													
2.1.1) PAR COTS ILS Upgrade - NonOrganic ⁽²⁾													
- / -													
Subtotal: Recurring													
- / 0.000													
Subtotal: PAR COTS ILS Upgrade (X1037)													
- / -													
Subtotal: Procurement, All Modification Items													
- / 0.000													
Support (All Modification Items)													
3.1) Logistics													
- / -													
3.2) Production Engineering													
- / -													
3.3) Quality Assurance													
- / 0.000													
3.4) Initial Training													
- / -													
Subtotal: Support													
- / 0.000													
Installation													
Modification Item 1 of 1: PAR COTS ILS Upgrade (X1037)													
- / 0.000													
Subtotal: Installation													
- / 0.000													
Total													
Total Cost (Procurement + Support + Installation)													
0.000													

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 2 / PAR COTS ILS Upgrade (X1037)																								
Modification Item 1 of 1: PAR COTS ILS Upgrade (X1037)																																
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> : 12																									
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				Dec 2016	Dec 2017	Dec 2018	Dec 2019																									
Installation Information																																
Method of Implementation: AIT : Installation Name: PAR COTS ILS 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>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.715	- / -	- / -	- / -	- / -	3 / 2.715																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.620	- / -	- / -	- / -	4 / 3.620																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.729	- / -	- / -	4 / 3.729																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 3.841	- / -	4 / 3.841																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.715	4 / 3.620	4 / 3.729	4 / 3.841	15 / 13.905																				
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	4	-	-	-	4	-	4	15
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	4	-	-	-	4	-	4	15
Footnotes: ⁽²⁾ FY15 funds (\$500K) are required for the Engineering Change Proposal (ECP) development and ramp-up work for the FY16 production efforts.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 3 / TACAN Antenna Upgrade (X1043)			

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	-	-	0.500	-	0.500	3.746	5.368	6.257	9.337	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	0.500	-	0.500	3.746	5.368	6.257	9.337	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	0.500	-	0.500	3.746	5.368	6.257	9.337	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:

FY15 new start. The TACAN Antenna Upgrade program will provide shore installations with a new antenna for TACAN systems. Justification: TACAN is a dated systems with multiple obsolete parts. Modernization of the TACAN antenna is required to reduce maintenance and improve life span in order to meet needs of the Fleet, and provide a stand-alone recovery system in the wake of the JPALS program restructure.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 3 / TACAN Antenna Upgrade (X1043)					
Models of Systems Affected: Shore Sites				Modification Type: Modernization				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: TACAN Antenna Upgrade (X1043)													
B Kits													
Recurring													
2.1.1) TACAN Antenna Upgrade - NonOrganic ⁽³⁾	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.150	4 / 3.050	4 / 3.050	8 / 6.100	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.150	- / 3.050	- / 3.050	- / 6.100	Continuing	Continuing	
Subtotal: TACAN Antenna Upgrade (X1043)	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.150	4 / 3.050	4 / 3.050	8 / 6.100	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.150	- / 3.050	- / 3.050	- / 6.100	Continuing	Continuing	
Support (All Modification Items)													
3.1) Logistics	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.860	- / 0.488	- / 0.488	- / 0.488	Continuing	Continuing	
3.2) Production Engineering	- / -	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 0.416	- / 0.210	- / 0.230	- / 0.260	Continuing	Continuing	
3.3) Quality Assurance	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.320	- / 0.320	- / 0.320	- / 0.320	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.500	- / -	- / 0.500	- / 1.596	- / 1.018	- / 1.038	- / 1.068	Continuing	Continuing	
Installation													
Modification Item 1 of 1: TACAN Antenna Upgrade (X1043)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300	- / 2.169	- / 2.169	- / 2.169	- / 7.807	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300	- / 2.169	- / 2.169	- / 2.169	- / 7.807	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	0.500	-	0.500	3.746	5.368	6.257	9.337	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2846 / Landing Systems				Modification Number / Title: 3 / TACAN Antenna Upgrade (X1043)																								
Modification Item 1 of 1: TACAN Antenna Upgrade (X1043)																																
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> : 12																									
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				Dec 2016	Dec 2017	Dec 2018	Dec 2019																									
Installation Information																																
Method of Implementation: AIT Installation : Installation Name: TACAN Antenna 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>	<i>Qty (Each) / Total Cost (\$ M)</i>																			
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	- / -	- / -	- / -	- / -	1 / 1.300																			
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.169	- / -	- / -	- / -	4 / 2.169																			
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.169	- / -	- / -	4 / 2.169																			
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.169	- / -	8 / 2.169																			
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																			
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300	4 / 2.169	4 / 2.169	8 / 2.169	- / -	17 / 7.807																			
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	-	-	-	4	-	8	17
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	4	-	-	-	4	-	8	17
Footnotes: (3) FY15 funds (\$500K) are required for the Engineering Change Proposal (ECP) development and ramp-up work for the FY16 production efforts.																																

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment	P-1 Line Item Number / Title: 2851 / ID Systems

ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0604777N				
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)	254.409	27.896	34.834	34.901	-	34.901	33.133	27.396	28.348	30.320	24.215	495.452
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	254.409	27.896	34.834	34.901	-	34.901	33.133	27.396	28.348	30.320	24.215	495.452
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	254.409	27.896	34.834	34.901	-	34.901	33.133	27.396	28.348	30.320	24.215	495.452
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.031	0.045	0.050	-	0.050	0.045	0.041	0.041	0.042	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:

The Identification Systems program funds procurements, installations, and certifications for the following systems: AN/UPX-37 Digital Interrogator (DI), AN/APX-118 Common Digital Transponder (CXP), AN/UPX-29(V) Interrogator System, Mark XIIA Mode 5 and Identification Friend Foe (IFF) support equipment.

The Air Traffic Control (ATC) Radio Beacon System, Identification Friend or Foe (IFF), Mark XII System (AIMS) is a DOD directed tri-service program designed to provide a universal air traffic control radar beacon system compatible with the National Airspace System Program. It provides a secure identification system for military use on all combatant ships, selected auxiliaries, patrol craft, and selected Coast Guard ships by allowing all friendly forces to identify each other and neutral forces. The Mark XII system supports several missions such as anti-airwarfare, aerial bombardment, and naval attack.

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 / Mark XII/ Mark XIIA Digital Int (MT031)	P-3a		-	-	76.113	-	-	0.803	-	-	0.508	-	-	-	-	-	-	-	-	-
P-3a - 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)	P-3a		-	-	47.563	-	-	2.595	-	-	3.617	-	-	3.044	-	-	-	-	-	3.044
P-3a - 3 / AN/UPX 24 (V) Mode S (MT035)	P-3a		-	-	19.147	-	-	2.731	-	-	3.414	-	-	2.520	-	-	-	-	-	2.520
P-3a - 4 / Mark XII Mode 5 (MT037)	P-3a		-	-	83.343	-	-	16.861	-	-	19.740	-	-	21.649	-	-	-	-	-	21.649

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment										P-1 Line Item Number / Title: 2851 / ID Systems										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0604777N								
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 - 5 / TACAN System Upgrade (MT038)	P-3a		-	-	12.932	-	-	2.940	-	-	4.120	-	-	4.203	-	-	-	-	-	4.203
P-3a - 6 / Mode S Digital Interrogator (MT040)	P-3a		-	-	15.311	-	-	1.966	-	-	3.435	-	-	3.485	-	-	-	-	-	3.485
Total Gross/Weapon System Cost			-	-	254.409	-	-	27.896	-	-	34.834	-	-	34.901	-	-	-	-	-	34.901
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 / Mark XII/ Mark XIIA Digital Int (MT031)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	77.424
P-3a - 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)	P-3a		-	-	2.708	-	-	1.260	-	-	-	-	-	-	-	-	-	-	-	60.787
P-3a - 3 / AN/UPX 24 (V) Mode S (MT035)	P-3a		-	-	2.951	-	-	3.846	-	-	5.761	-	-	6.610	-	-	10.641	-	-	57.621
P-3a - 4 / Mark XII Mode 5 (MT037)	P-3a		-	-	20.809	-	-	14.701	-	-	11.118	-	-	8.447	-	-	2.638	-	-	199.306
P-3a - 5 / TACAN System Upgrade (MT038)	P-3a		-	-	3.837	-	-	3.856	-	-	6.866	-	-	9.369	-	-	0.623	-	-	48.746
P-3a - 6 / Mode S Digital Interrogator (MT040)	P-3a		-	-	2.828	-	-	3.733	-	-	4.603	-	-	5.894	-	-	10.313	-	-	51.568
Total Gross/Weapon System Cost			-	-	33.133	-	-	27.396	-	-	28.348	-	-	30.320	-	-	24.215	-	-	495.452
*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: The purpose of the AN/UPX-37 Digital Interrogator (DI) and AN/APX-118 Common Digital Transponder (CXP) program is to replace 20-25 year old hardware and software with reliability and maintenance enhancements through the use of Commercial Off The Shelf / Non Developmental Item COTS/NDI form/fit/function improvements. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changes nomenclatures from AN/UPX-37 and AN/APX-118(V) to AN/UPX-41(C) and AN/APX-123(V), respectively. Growth capability to incorporate Mode 5 and Mode S functionality is incorporated in equipment design. The AN/UPX-24(V) Field Change 5 provides open systems architecture for increased expansion capability. The AN/UPX-24(V) Mode S provides improved shipboard combat identification and increases the probability of identification of commercial and neutral aircraft. The AN/UPX-29(V) Interrogator System is deployed on high capability, state of the art surface platforms that require IFF operational performance beyond that provided by a standard Mark XII system for combat identification.																				

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment		P-1 Line Item Number / Title: 2851 / ID Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604777N
Mark XIIA Mode 5 provides improved secure cooperative combat identification throughout IFF. Mode 5 is a product improvement which is designed to be installed throughout engineering changes to digital Mark XII interrogators and transponders including AN/APX-118/123(V), AN/UPX-37/41(C), and AN/UPX-24(V). Tactical Air Navigation (TACAN) Beacon Upgrade funds a replacement of 1970s technology and eliminates pending parts obsolescence. Installing Agent: Shipyard, Alteration Teams (AIT). When installation to be made: Regular Overhaul/Restricted Availability/Selected Restricted Availability Type of ship to receive equipment: An IFF system is on every ship in the Fleet.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 1 / Mark XII/ Mark XIIA Digital Int (MT031)

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>)	76.113	0.803	0.508	-	-	-	-	-	-	-	-	77.424
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	76.113	0.803	0.508	-	-	-	-	-	-	-	-	77.424
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	76.113	0.803	0.508	-	-	-	-	-	-	-	-	77.424
<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 current AN/UPX-27 is late 1960's technology and no longer meets operational availability requirements due to use beyond its intended life. The Navy incorporated the AN/UPX-37 to provide a more reliable system with the same functionality. Improved technology now drives the Navy requirement for the AN/UPX-41(C) that incorporates the Mark XIIA (Mode 5) capability. Mode S will be added as a growth capability. Inventory Objective of 503 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changed the nomenclature from AN/UPX-37 to AN/UPX-41(C). LRIP AN/UPX-41(C) units were installed and operated in legacy-only modes until successful completion of the Mode 5 OPEVAL (MT037) and the Full Rate Production decision. Full Rate Production was approved July 2012.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems					Modification Number / Title: 1 / Mark XII/ Mark XIIA Digital Int (MT031)				
Models of Systems Affected: AN/UPX-37 / AN/UPX-41(C)				Modification Type: Reliability					Related RDT&E PEs: 0604777N				
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: Mark XII/ Mark XIIA Digital Int (MT031)													
B Kits													
Non-Recurring													
1.1.1) Equipment - NonOrganic ⁽¹⁾	503 / 48.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	503 / 48.154	
Subtotal: Non-Recurring	- / 48.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.154	
Subtotal: Mark XII/ Mark XIIA Digital Int (MT031)	503 / 48.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	503 / 48.154	
Subtotal: Procurement, All Modification Items	- / 48.154	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 48.154	
Support (All Modification Items)													
2.1) ILS	- / 4.148	- / 0.031	- / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.222	
2.2) PE	- / 9.945	- / 0.399	- / 0.282	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.626	
2.3) Product Improvement	- / 2.092	- / 0.219	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.311	
2.4) Acceptance, Test & Evaluation	- / 3.773	- / 0.018	- / 0.042	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.833	
2.5) Initial Training	- / 0.144	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.144	
Subtotal: Support	- / 20.102	- / 0.667	- / 0.367	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 21.136	
Installation													
Modification Item 1 of 1: Mark XII/ Mark XIIA Digital Int (MT031)	- / 7.857	- / 0.136	- / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.134	
Subtotal: Installation	- / 7.857	- / 0.136	- / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.134	
Total													
Total Cost (Procurement + Support + Installation)	76.113	0.803	0.508	-	-	-	-	-	-	-	-	77.424	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 1 / Mark XII/ Mark XIIA Digital Int (MT031)

Modification Item 1 of 1: Mark XII/ Mark XIIA Digital Int (MT031)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: BAE Systems LP				Manufacturer Location: >Greenlawn, NY			
Administrative Leadtime (in Months): 7				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: 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	477 / 7.857	2 / 0.136	2 / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	481 / 8.134
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	477 / 7.857	2 / 0.136	2 / 0.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	481 / 8.134

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	477	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	481
Out	477	2	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	481

Footnotes:

⁽¹⁾ 9 Additional units were purchased in the prior years to provide to the Mode 5 program contractor as GFE. Units were used in FY04-09 for Mode 5 DT/OT and therefore not installed; 10 Additional units purchased in the prior years were first articles used for testing and will not be returned to inventory; 3 additional units were purchased in the prior years to provide to the Mode S (DI) program contractor as GFE and will not be intalled on ships.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)

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>	47.563	2.595	3.617	3.044	-	3.044	2.708	1.260	-	-	-	60.787
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	47.563	2.595	3.617	3.044	-	3.044	2.708	1.260	-	-	-	60.787
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	47.563	2.595	3.617	3.044	-	3.044	2.708	1.260	-	-	-	60.787
<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:

Current Mark XII transponder systems no longer meet operational reliability and maintainability (R&M) requirements due to use beyond their intended life cycle and they suffer a high cost of ownership due to parts obsolescence. Current surface ship Mark XII transponders will be replaced to continue incremental digital and R&M upgrades to the Mark XII IFF system. The common digital transponder uses an open architecture that allows for future growth, including Mode 5 (AN/APX-123(V)) and Mode S which was incorporated into the production line beginning with the FY 2005 procurement. Inventory Objective of 378 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules. Incorporation of the Mark XIIA (Mode 5) capability occurred in FY08 and changed the nomenclature from AN/APX-118(V) to AN/APX-123(V). LRIP AN/APX-123(V) units were installed and operated in legacy-only modes until successful completion of the Mode 5 OPEVAL (MT037) and Full Rate Production decision. Full Rate Production was approved July 2012.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems				Modification Number / Title: 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)					
Models of Systems Affected: AN/APX-118/AN/APX-123(V)				Modification Type: Reliability				Related RDT&E PEs: 0604777N					
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: Mark XII/ Mark XIIA Common Digital Transponder (MT032)													
B Kits													
Recurring													
1.1.1) Equipment - NonOrganic ⁽²⁾	332 / 17.381	- / 0.522	17 / 1.182	16 / 1.067	- / -	16 / 1.067	13 / 0.926	- / -	- / -	- / -	- / -	378 / 21.078	
1.1.2) Equipment "A" - Organic	- / 0.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.020	
Subtotal: Recurring	- / 17.401	- / 0.522	- / 1.182	- / 1.067	- / -	- / 1.067	- / 0.926	- / -	- / -	- / -	- / -	- / 21.098	
Subtotal: Mark XII/ Mark XIIA Common Digital Transponder (MT032)	332 / 17.401	- / 0.522	17 / 1.182	16 / 1.067	- / -	16 / 1.067	13 / 0.926	- / -	- / -	- / -	- / -	378 / 21.098	
Subtotal: Procurement, All Modification Items	- / 17.401	- / 0.522	- / 1.182	- / 1.067	- / -	- / 1.067	- / 0.926	- / -	- / -	- / -	- / -	- / 21.098	
Support (All Modification Items)													
2.1) ILS	- / 2.523	- / 0.106	- / 0.100	- / 0.093	- / -	- / 0.093	- / 0.063	- / 0.018	- / -	- / -	- / -	- / 2.903	
2.2) PE	- / 10.889	- / 0.948	- / 1.166	- / 1.297	- / -	- / 1.297	- / 1.270	- / 0.706	- / -	- / -	- / -	- / 16.276	
2.3) Product Improvement	- / 4.632	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.632	
2.4) Acceptance, Test & Evaluation	- / 2.435	- / 0.127	- / 0.150	- / 0.118	- / -	- / 0.118	- / 0.094	- / 0.028	- / -	- / -	- / -	- / 2.952	
2.5) Depot	- / 0.010	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.010	
2.6) Initial Training	- / 0.822	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.822	
Subtotal: Support	- / 21.311	- / 1.181	- / 1.416	- / 1.508	- / -	- / 1.508	- / 1.427	- / 0.752	- / -	- / -	- / -	- / 27.595	
Installation													
Modification Item 1 of 1: Mark XII/ Mark XIIA Common Digital Transponder (MT032)	- / 8.851	- / 0.892	- / 1.019	- / 0.469	- / -	- / 0.469	- / 0.355	- / 0.508	- / -	- / -	- / -	- / 12.094	
Subtotal: Installation	- / 8.851	- / 0.892	- / 1.019	- / 0.469	- / -	- / 0.469	- / 0.355	- / 0.508	- / -	- / -	- / -	- / 12.094	
Total													
Total Cost (Procurement + Support + Installation)	47.563	2.595	3.617	3.044	-	3.044	2.708	1.260	-	-	-	60.787	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2851 / ID Systems										Modification Number / Title: 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)											
Modification Item 1 of 1: Mark XII/ Mark XIIA Common Digital Transponder (MT032)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE Systems LP															Manufacturer Location: >Greenlawn, NY																
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 2013				Mar 2014				Mar 2015																					
Delivery Dates		Mar 2014				Mar 2015				Mar 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							
		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total 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		290 / 8.851		16 / 0.892		17 / 1.019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		323 / 10.762					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		17 / 0.469		- / -		17 / 0.469		- / -		- / -		- / -		- / -		- / -		- / -		17 / 0.469					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		16 / 0.355		- / -		- / -		- / -		- / -		- / -		16 / 0.355					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		13 / 0.508		- / -		- / -		- / -		- / -		13 / 0.508					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		290 / 8.851		16 / 0.892		17 / 1.019		17 / 0.469		- / -		17 / 0.469		16 / 0.355		13 / 0.508		- / -		- / -		- / -		- / -		369 / 12.094					
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	290	3	3	6	4	3	6	6	2	-	2	7	8	-	2	7	7	-	4	4	5	-	-	-	-	-	-	-	-	-	369
Out	290	3	3	6	4	3	6	6	2	-	2	7	8	-	2	7	7	-	4	4	5	-	-	-	-	-	-	-	-	-	369
Footnotes: ⁽²⁾ Funding was reduced by \$988K due to sequestration in FY13, therefore FY13 hardware was not able to be procured. Hardware unit costs include ancillary equipment throughout the FYDP and remaining funding in FY13 is for ancillary equipment. Unit costs fluctuate from year to year based on the number of kits being procured and the necessary ancillary hardware for the different class ships that are getting																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 2 / Mark XII/ Mark XIIA Common Digital Transponder (MT032)

the units installed the following year. 9 additional units were purchased in the prior years to provide to the Mode 5 program contractor as GFE. Units were used in FY04-09 for Mode 5 DT/OT and therefore not installed.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 3 / AN/UPX 24 (V) Mode S (MT035)

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>)	19.147	2.731	3.414	2.520	-	2.520	2.951	3.846	5.761	6.610	10.641	57.621
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	19.147	2.731	3.414	2.520	-	2.520	2.951	3.846	5.761	6.610	10.641	57.621
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	19.147	2.731	3.414	2.520	-	2.520	2.951	3.846	5.761	6.610	10.641	57.621
(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:

Incorporation of a Mode S capability in the AN/UPX-24(V) to include an interface with a ship's Combat Systems. Inventory Objective of 125 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems				Modification Number / Title: 3 / AN/UPX 24 (V) Mode S (MT035)					
Models of Systems Affected: AN/UPX-24(V)			Modification Type: Capability Improvement					Related RDT&E PEs: 0604777N					
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: AN/UPX 24 (V) Mode S (MT035)													
B Kits													
Non-Recurring													
1.1.1) Equipment - NonOrganic ⁽³⁾	- / -	9 / 0.780	1 / 0.081	7 / 0.581	- / -	7 / 0.581	16 / 1.353	15 / 1.293	32 / 2.811	24 / 2.148	21 / 1.926	125 / 10.973	
Subtotal: Non-Recurring	- / 0.000	- / 0.780	- / 0.081	- / 0.581	- / -	- / 0.581	- / 1.353	- / 1.293	- / 2.811	- / 2.148	- / 1.926	- / 10.973	
Subtotal: AN/UPX 24 (V) Mode S (MT035)	- / -	9 / 0.780	1 / 0.081	7 / 0.581	- / -	7 / 0.581	16 / 1.353	15 / 1.293	32 / 2.811	24 / 2.148	21 / 1.926	125 / 10.973	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 0.780	- / 0.081	- / 0.581	- / -	- / 0.581	- / 1.353	- / 1.293	- / 2.811	- / 2.148	- / 1.926	- / 10.973	
Support (All Modification Items)													
2.1) ILS	- / 1.727	- / 0.347	- / 0.445	- / 0.230	- / -	- / 0.230	- / 0.191	- / 0.333	- / 0.467	- / 0.857	- / 2.114	- / 6.711	
2.2) PE	- / 3.930	- / 0.527	- / 0.778	- / 1.132	- / -	- / 1.132	- / 1.130	- / 1.602	- / 1.819	- / 2.124	- / 4.428	- / 17.470	
2.3) Product Improvement	- / 12.407	- / 1.077	- / 1.501	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.985	
2.4) Acceptance, Test & Evaluation	- / 0.763	- / -	- / 0.373	- / 0.550	- / -	- / 0.550	- / 0.034	- / 0.079	- / 0.075	- / 0.164	- / 0.237	- / 2.275	
2.5) Depot	- / 0.046	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.046	
2.6) Initial Training	- / 0.274	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.274	
Subtotal: Support	- / 19.147	- / 1.951	- / 3.097	- / 1.912	- / -	- / 1.912	- / 1.355	- / 2.014	- / 2.361	- / 3.145	- / 6.779	- / 41.761	
Installation													
Modification Item 1 of 1: AN/UPX 24 (V) Mode S (MT035)	- / 0.000	- / -	- / 0.236	- / 0.027	- / -	- / 0.027	- / 0.243	- / 0.539	- / 0.589	- / 1.317	- / 1.936	- / 4.887	
Subtotal: Installation	- / 0.000	- / -	- / 0.236	- / 0.027	- / -	- / 0.027	- / 0.243	- / 0.539	- / 0.589	- / 1.317	- / 1.936	- / 4.887	
Total													
Total Cost (Procurement + Support + Installation)	19.147	2.731	3.414	2.520	-	2.520	2.951	3.846	5.761	6.610	10.641	57.621	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2851 / ID Systems										Modification Number / Title: 3 / AN/UPX 24 (V) Mode S (MT035)											
Modification Item 1 of 1: AN/UPX 24 (V) Mode S (MT035)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE Systems LP															Manufacturer Location: >Greenlawn, NY																
Administrative Leadtime (<i>in Months</i>): 3															Production Leadtime (<i>in Months</i>): 12																
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		Dec 2013				Dec 2014				Dec 2015																					
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		- / -		- / -		9 / 0.236		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		9 / 0.236					
FY 2014		- / -		- / -		- / -		1 / 0.027		- / -		1 / 0.027		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.027					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		7 / 0.243		- / -		- / -		- / -		- / -		- / -		7 / 0.243					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		16 / 0.539		- / -		- / -		- / -		- / -		16 / 0.539					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 0.589		- / -		- / -		- / -		15 / 0.589					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		32 / 1.317		- / -		- / -		32 / 1.317					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		24 / 1.033		- / -		24 / 1.033					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		21 / 0.903		- / -		21 / 0.903					
Total		- / -		- / -		9 / 0.236		1 / 0.027		- / -		1 / 0.027		7 / 0.243		16 / 0.539		15 / 0.589		32 / 1.317		45 / 1.936		- / -		125 / 4.887					
Installation Schedule																															
	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	3	3	3	-	1	-	-	-	3	1	3	-	5	5	6	-	5	5	5	-	11	11	10	45	125
Out	-	-	-	-	-	-	3	3	3	-	1	-	-	-	3	1	3	-	5	5	6	-	5	5	5	-	11	11	10	45	125
Footnotes:																															
⁽³⁾ Delayed AN/UPX-24(V) Mode S program to synchronize with the Mode S Digital Interrogator (DI) program; FY12 support is in preparation for FY13 procurements and to address immediate obsolescence issues; Program delayed 1 year due to Federal Aviation Administration (FAA) direction for Department of Defense (DOD) to develop Concept of Operations (CoNOPs) for Mode S implementation.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 4 / Mark XII Mode 5 (MT037)

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>)	83.343	16.861	19.740	21.649	-	21.649	20.809	14.701	11.118	8.447	2.638	199.306
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	83.343	16.861	19.740	21.649	-	21.649	20.809	14.701	11.118	8.447	2.638	199.306
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	83.343	16.861	19.740	21.649	-	21.649	20.809	14.701	11.118	8.447	2.638	199.306
<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:

Mark XIIA Mode 5 provides improved secure cooperative combat identification throughout IFF. Mode 5 is a product improvement which is designed to be installed via engineering changes to digital MarkXII interrogators and transponders including, AN/APX-118/123(V), AN/UPX-37/41(C), and AN/UPX-24(V). Procurements will include Cryptography, Long Lead Items, Low-Rate Initial Production (LRIP) Units, Full Rate Production units, Support/Test Equipment, and associated hardware and software changes for Fleet Modernization Plan (FMP) and non-FMP installations. Mode 5 is designed to be installed in all Navy ships which are currently Mode 4 IFF capable. Milestone C and LRIP was approved in July 2006 and Full Rate Production was approved in July 2012. In March 2007, Joint Requirements Oversight Council Memorandum (JROCM 047-07) endorsed a Mode 5 Joint Initial Operational Capability (IOC) in FY 2014 and Joint Full Operational Capability (FOC) in FY 2020.

Procurement and installs differ by 100 due to Naval Special Warfare Forces installing their own units.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems				Modification Number / Title: 4 / Mark XII Mode 5 (MT037)					
Models of Systems Affected: AN/APX-118/123(V), AN/UPX-37/41(C), AN/UPX-24(V)				Modification Type: Capability Improvement				Related RDT&E PEs: 0604777N					
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: Mark XII Mode 5 (MT037)													
B Kits													
Non-Recurring													
1.1.1) Equipment - Organic	- / 3.775	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.775	
1.1.2) Mode 5 CXP Systems/Kits - NonOrganic ⁽⁴⁾	259 / 7.591	- / 0.753	54 / 1.886	53 / 2.352	- / -	53 / 2.352	41 / 1.107	17 / 0.783	35 / 1.960	11 / 0.768	- / -	470 / 17.200	
1.1.3) Mode 5 UPX-24(V) Kits - NonOrganic	58 / 4.676	8 / 0.694	10 / 0.777	8 / 0.664	- / -	8 / 0.664	12 / 0.871	5 / 0.537	2 / 0.317	- / -	- / -	103 / 8.536	
1.1.4) Mode 5 DI Systems/ Kits - NonOrganic	152 / 9.158	18 / 0.756	29 / 2.056	34 / 2.529	- / -	34 / 2.529	40 / 2.945	7 / 0.525	9 / 0.688	- / -	- / -	289 / 18.657	
Subtotal: Non-Recurring	- / 25.200	- / 2.203	- / 4.719	- / 5.545	- / -	- / 5.545	- / 4.923	- / 1.845	- / 2.965	- / 0.768	- / -	- / 48.168	
Subtotal: Mark XII Mode 5 (MT037)	469 / 25.200	26 / 2.203	93 / 4.719	95 / 5.545	- / -	95 / 5.545	93 / 4.923	29 / 1.845	46 / 2.965	11 / 0.768	- / -	862 / 48.168	
Subtotal: Procurement, All Modification Items	- / 25.200	- / 2.203	- / 4.719	- / 5.545	- / -	- / 5.545	- / 4.923	- / 1.845	- / 2.965	- / 0.768	- / -	- / 48.168	
Support (All Modification Items)													
2.1) Support Equipment	- / 7.909	- / 0.554	- / 0.550	- / 1.237	- / -	- / 1.237	- / -	- / -	- / -	- / -	- / -	- / 10.250	
2.2) ILS	- / 4.995	- / 0.476	- / 0.819	- / 0.912	- / -	- / 0.912	- / 0.902	- / 0.646	- / 0.380	- / 0.200	- / 0.148	- / 9.478	
2.3) PE	- / 26.181	- / 6.162	- / 5.355	- / 5.939	- / -	- / 5.939	- / 6.611	- / 5.305	- / 4.648	- / 3.981	- / 1.072	- / 65.254	
2.4) Product Improvement	- / 4.546	- / 0.931	- / 1.109	- / 1.146	- / -	- / 1.146	- / 0.856	- / 0.582	- / 0.301	- / 0.149	- / -	- / 9.620	
2.5) Acceptance, Test & Evaluation	- / 2.463	- / 0.907	- / 0.850	- / 1.043	- / -	- / 1.043	- / 0.939	- / 0.182	- / 0.077	- / -	- / 0.086	- / 6.547	
2.6) Initial Training	- / 0.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.517	
Subtotal: Support	- / 46.611	- / 9.030	- / 8.683	- / 10.277	- / -	- / 10.277	- / 9.308	- / 6.715	- / 5.406	- / 4.330	- / 1.306	- / 101.666	
Installation													
Modification Item 1 of 1: Mark XII Mode 5 (MT037)	- / 11.532	- / 5.628	- / 6.338	- / 5.827	- / -	- / 5.827	- / 6.578	- / 6.141	- / 2.747	- / 3.349	- / 1.332	- / 49.472	
Subtotal: Installation	- / 11.532	- / 5.628	- / 6.338	- / 5.827	- / -	- / 5.827	- / 6.578	- / 6.141	- / 2.747	- / 3.349	- / 1.332	- / 49.472	
Total													
Total Cost (Procurement + Support + Installation)	83.343	16.861	19.740	21.649	-	21.649	20.809	14.701	11.118	8.447	2.638	199.306	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2851 / ID Systems										Modification Number / Title: 4 / Mark XII Mode 5 (MT037)											
Modification Item 1 of 1: Mark XII Mode 5 (MT037)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE Systems LP															Manufacturer Location: >Greenlawn, NY																
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 2012				Dec 2013				Dec 2014																					
Delivery Dates		Dec 2013				Dec 2014				Dec 2015																					
Installation Information																															
Method of Implementation: AIT : Installation Name: Installation Group Name																															
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		204 / 11.532		102 / 5.628		89 / 3.140		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		395 / 20.300					
FY 2013		- / -		- / -		26 / 3.198		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		26 / 3.198					
FY 2014		- / -		- / -		- / -		52 / 5.827		- / -		52 / 5.827		41 / 0.439		- / -		- / -		- / -		- / -		- / -		93 / 6.266					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		48 / 6.139		37 / 1.641		- / -		- / -		- / -		- / -		85 / 7.780					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		74 / 4.500		10 / 0.152		- / -		- / -		- / -		84 / 4.652					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		22 / 2.595		- / -		- / -		- / -		22 / 2.595					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		41 / 3.349		5 / 0.416		- / -		46 / 3.765					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		11 / 0.916		- / -		11 / 0.916					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		204 / 11.532		102 / 5.628		115 / 6.338		52 / 5.827		- / -		52 / 5.827		89 / 6.578		111 / 6.141		32 / 2.747		41 / 3.349		16 / 1.332		- / -		762 / 49.472					
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	204	27	33	29	13	34	34	33	14	7	16	19	10	14	24	25	26	38	39	19	15	11	13	5	3	9	14	9	9	16	762
Out	204	27	33	29	13	34	34	33	14	7	16	19	10	14	24	25	26	38	39	19	15	11	13	5	3	9	14	9	9	16	762
Footnotes: ⁽⁴⁾ Funding was reduced by \$4.9M due to sequestration and other budget reductions in FY13, therefore FY13 hardware was not able to be procured for Mode 5 CXP kits. Hardware unit costs include ancillary equipment throughout the FYDP and remaining Mode 5 CXP funding in FY13 is for ancillary equipment. Unit costs fluctuate from year to year based on the number of kits being procured and the necessary ancillary hardware for the different class ships that are getting the units installed the following year.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 5 / TACAN System Upgrade (MT038)

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>)	12.932	2.940	4.120	4.203	-	4.203	3.837	3.856	6.866	9.369	0.623	48.746
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	12.932	2.940	4.120	4.203	-	4.203	3.837	3.856	6.866	9.369	0.623	48.746
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	12.932	2.940	4.120	4.203	-	4.203	3.837	3.856	6.866	9.369	0.623	48.746
<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:

Ship Tactical Air Navigation (TACAN) system upgrade. Upgrades will include digital/COTS upgrade to 1970's technology TACAN beacon and reduce parts obsolescence. Inventory Objective of 151 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT), ship/submarine Ship Program Manager (SPM) procurement plans and schedules and JPALS projected FOC.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems				Modification Number / Title: 5 / TACAN System Upgrade (MT038)					
Models of Systems Affected: AN/URN-25				Modification Type: Reliability				Related RDT&E PEs: 0604777N					
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: TACAN System Upgrade (MT038)													
B Kits													
Non-Recurring													
1.1.1) Equipment - NonOrganic	17 / 4.550	11 / 2.011	17 / 3.013	15 / 2.842	- / -	15 / 2.842	13 / 2.730	13 / 2.730	44 / 5.249	21 / 7.795	- / -	151 / 30.920	
Subtotal: Non-Recurring	- / 4.550	- / 2.011	- / 3.013	- / 2.842	- / -	- / 2.842	- / 2.730	- / 2.730	- / 5.249	- / 7.795	- / -	- / 30.920	
Subtotal: TACAN System Upgrade (MT038)	17 / 4.550	11 / 2.011	17 / 3.013	15 / 2.842	- / -	15 / 2.842	13 / 2.730	13 / 2.730	44 / 5.249	21 / 7.795	- / -	151 / 30.920	
Subtotal: Procurement, All Modification Items	- / 4.550	- / 2.011	- / 3.013	- / 2.842	- / -	- / 2.842	- / 2.730	- / 2.730	- / 5.249	- / 7.795	- / -	- / 30.920	
Support (All Modification Items)													
2.1) ILS	- / 0.491	- / 0.031	- / 0.031	- / 0.031	- / -	- / 0.031	- / 0.031	- / 0.052	- / 0.052	- / 0.052	- / 0.131	- / 0.902	
2.2) PE	- / 7.385	- / 0.305	- / 0.308	- / 0.310	- / -	- / 0.310	- / 0.393	- / 0.481	- / 0.428	- / 0.502	- / -	- / 10.112	
2.3) Acceptance, Test & Evaluation	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.117	- / 0.217	
2.4) Initial Training	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.087	- / 0.087	
Subtotal: Support	- / 7.976	- / 0.336	- / 0.339	- / 0.341	- / -	- / 0.341	- / 0.424	- / 0.533	- / 0.480	- / 0.554	- / 0.335	- / 11.318	
Installation													
Modification Item 1 of 1: TACAN System Upgrade (MT038)	- / 0.406	- / 0.593	- / 0.768	- / 1.020	- / -	- / 1.020	- / 0.683	- / 0.593	- / 1.137	- / 1.020	- / 0.288	- / 6.508	
Subtotal: Installation	- / 0.406	- / 0.593	- / 0.768	- / 1.020	- / -	- / 1.020	- / 0.683	- / 0.593	- / 1.137	- / 1.020	- / 0.288	- / 6.508	
Total													
Total Cost (Procurement + Support + Installation)	12.932	2.940	4.120	4.203	-	4.203	3.837	3.856	6.866	9.369	0.623	48.746	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9										P-1 Line Item Number / Title: 2851 / ID Systems										Modification Number / Title: 5 / TACAN System Upgrade (MT038)											
Modification Item 1 of 1: TACAN System Upgrade (MT038)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Moog, Inc															Manufacturer Location: >Salt Lake City, Utah																
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		Jun 2013				Apr 2014				Apr 2015																					
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		9 / 0.406		8 / 0.339		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		17 / 0.745							
FY 2013		- / -		6 / 0.254		5 / 0.213		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		11 / 0.467							
FY 2014		- / -		- / -		8 / 0.555		9 / 0.550		- / -		9 / 0.550		- / -		- / -		- / -		- / -		- / -		17 / 1.105							
FY 2015		- / -		- / -		- / -		8 / 0.470		- / -		8 / 0.470		7 / 0.218		- / -		- / -		- / -		- / -		15 / 0.688							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.465		5 / 0.128		- / -		- / -		- / -		13 / 0.593							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		8 / 0.465		5 / 0.128		- / -		- / -		13 / 0.593							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.009		26 / 1.020		- / -		44 / 2.029							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		21 / 0.288		21 / 0.288							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		9 / 0.406		14 / 0.593		13 / 0.768		17 / 1.020		- / -		17 / 1.020		15 / 0.683		13 / 0.593		23 / 1.137		26 / 1.020		21 / 0.288		151 / 6.508							
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	3	4	4	3	3	2	4	4	5	4	4	4	4	3	4	4	3	2	4	4	3	2	9	9	-	8	8	10	21	151
Out	9	3	4	4	3	3	2	4	4	5	4	4	4	4	3	4	4	3	2	4	4	3	2	9	9	-	8	8	10	21	151

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 6 / Mode S Digital Interrogator (MT040)

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)	15.311	1.966	3.435	3.485	-	3.485	2.828	3.733	4.603	5.894	10.313	51.568
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	15.311	1.966	3.435	3.485	-	3.485	2.828	3.733	4.603	5.894	10.313	51.568
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	15.311	1.966	3.435	3.485	-	3.485	2.828	3.733	4.603	5.894	10.313	51.568
(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:

Adds Mode Select Beacon System (Mode S) commercial aircraft interrogation capability to IFF shipboard interrogators. The Mode S provides improved aircraft surveillance and communications necessary to support air traffic control automation in the dense traffic environments. Mode S provides more accurate aircraft positional information and minimizes interference by discrete interrogation of each Mode S transponder-equipped aircraft and improved processing of aircraft replies. In addition, Mode S provides the medium for a digital data link, which can be used to exchange information between aircraft and various air traffic control functions and weather databases. Inventory Objective of 325 is derived from the Naval Data Environment (NDE) database, the Ships & Aircraft Supplemental Data Table (SASDT) and ship/submarine Ship Program Manager (SPM) procurement plans and schedules.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9				P-1 Line Item Number / Title: 2851 / ID Systems				Modification Number / Title: 6 / Mode S Digital Interrogator (MT040)					
Models of Systems Affected: AN/UPX-37/ ANUPX-41(V)				Modification Type: Capability Improvement				Related RDT&E PEs: 0604777N					
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: Mode S Digital Interrogator (MT040)													
B Kits													
Non-Recurring													
1.1.1) Equipment - NonOrganic ⁽⁵⁾	- / -	- / -	13 / 0.140	23 / 0.252	- / -	23 / 0.252	50 / 0.558	43 / 0.489	81 / 0.938	60 / 0.708	55 / 0.664	325 / 3.749	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 0.140	- / 0.252	- / -	- / 0.252	- / 0.558	- / 0.489	- / 0.938	- / 0.708	- / 0.664	- / 3.749	
Subtotal: Mode S Digital Interrogator (MT040)	- / -	- / -	13 / 0.140	23 / 0.252	- / -	23 / 0.252	50 / 0.558	43 / 0.489	81 / 0.938	60 / 0.708	55 / 0.664	325 / 3.749	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 0.140	- / 0.252	- / -	- / 0.252	- / 0.558	- / 0.489	- / 0.938	- / 0.708	- / 0.664	- / 3.749	
Support (All Modification Items)													
2.1) Support Equipment	- / 0.688	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.688	
2.2) ILS	- / 0.987	- / 0.095	- / 0.278	- / 0.353	- / -	- / 0.353	- / 0.395	- / 0.446	- / 0.463	- / 0.770	- / 2.011	- / 5.798	
2.3) PE	- / 12.607	- / 1.823	- / 0.407	- / 1.897	- / -	- / 1.897	- / 1.348	- / 1.737	- / 2.114	- / 2.201	- / 4.455	- / 28.589	
2.4) Product Improvement	- / -	- / -	- / 1.649	- / 0.383	- / -	- / 0.383	- / -	- / -	- / -	- / -	- / -	- / 2.032	
2.5) Acceptance, Test & Evaluation	- / 0.406	- / 0.048	- / 0.621	- / 0.600	- / -	- / 0.600	- / 0.195	- / 0.431	- / 0.378	- / 0.725	- / 1.061	- / 4.465	
2.6) Depot	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200	
2.7) Initial Training	- / 0.423	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.423	
Subtotal: Support	- / 15.311	- / 1.966	- / 2.955	- / 3.233	- / -	- / 3.233	- / 1.938	- / 2.614	- / 2.955	- / 3.696	- / 7.527	- / 42.195	
Installation													
Modification Item 1 of 1: Mode S Digital Interrogator (MT040)	- / 0.000	- / -	- / 0.340	- / -	- / -	- / -	- / 0.332	- / 0.630	- / 0.710	- / 1.490	- / 2.122	- / 5.624	
Subtotal: Installation	- / 0.000	- / -	- / 0.340	- / -	- / -	- / -	- / 0.332	- / 0.630	- / 0.710	- / 1.490	- / 2.122	- / 5.624	
Total													
Total Cost (Procurement + Support + Installation)	15.311	1.966	3.435	3.485	-	3.485	2.828	3.733	4.603	5.894	10.313	51.568	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9	P-1 Line Item Number / Title: 2851 / ID Systems	Modification Number / Title: 6 / Mode S Digital Interrogator (MT040)

Modification Item 1 of 1: Mode S Digital Interrogator (MT040)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: BAE Systems LP				Manufacturer Location: >Greenlawn, NY			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 12			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Dec 2013	Dec 2014				
Delivery Dates		Jul 2014	Dec 2015				

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
	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total 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	- / -	- / -	13 / 0.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.340
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	23 / 0.332	- / -	- / -	- / -	- / -	23 / 0.332
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	50 / 0.630	- / -	- / -	- / -	50 / 0.630
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	43 / 0.710	- / -	- / -	43 / 0.710
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	81 / 1.490	- / -	81 / 1.490
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	60 / 1.100	60 / 1.100
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	55 / 1.022	55 / 1.022
Total	- / -	- / -	13 / 0.340	- / -	- / -	- / -	23 / 0.332	50 / 0.630	43 / 0.710	81 / 1.490	115 / 2.122	325 / 5.624

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	-	-	-	-	-	-	-	-	13	-	-	-	-	-	7	8	8	-	17	17	16	-	14	14	15	-	27	27	27	115	325
Out	-	-	-	-	-	-	-	-	13	-	-	-	-	-	7	8	8	-	17	17	16	-	14	14	15	-	27	27	27	115	325

Footnotes:

⁽⁵⁾ 1. All Mode S Interrogator development within DoD was delayed by the FAA until FAA was provided with a DoD wide strategy for Mode S interrogation, and a DoD Mode S interim aggregate implementation plan. FY13 support funding is needed prior to production in order to prepare the technical data package for peculiar support equipment. FY14 procurements will be installed in shore labs, therefore there is a shorter delivery time than the FY15-19 procurements.

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment	P-1 Line Item Number / Title: 2876 / Naval Mission Planning Systems

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>)	184.593	9.411	14.131	13.950	-	13.950	13.905	10.521	10.373	10.596	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	184.593	9.411	14.131	13.950	-	13.950	13.905	10.521	10.373	10.596	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	184.593	9.411	14.131	13.950	-	13.950	13.905	10.521	10.373	10.596	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>)	-	0.560	0.503	0.750	-	0.750	-	-	-	-	-	1.813
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 line item provides funding to procure Joint Mission Planning System (JMPS) workstations, Software/Production Engineering Support and Integrated Logistics Support (ILS). JMPS is the Chief of Naval Operation's (CNO) designated automated mission planning system for the Navy. JMPS enables weapon system employment by providing the information and decision aids needed to rapidly plan aircraft, weapon or sensor missions, load mission data into aircraft and weapons, and conduct post mission analysis. JMPS consists of two types of workstations - Maritime (JMPS-M) and Expeditionary (JMPS-E). JMPS-M is the primary product within the Naval Mission Planning System (NavMPS). The Navy's modern aircraft need data loaded from JMPS-M to fly their missions. As weapons become more advanced, they will require higher levels of detail in the data and more data that supports mission planning. These data requirements will require more advanced processors and greater amounts of contiguous memory. JMPS-M flight planning seats refer to the computer workstations that employ the JMPS framework software. JMPS-E is a tailorable and collaborative web-based mission planning system for the Amphibious Ready Group (ARG) Amphibious Squadron (PHIBRON). Program cost is not directly related to FY hardware quantity; software is a cost factor independent of FY hardware quantity and cost. Funding profile accounts for required four year workstations refresh to preclude aging hardware, increased failure rates, emerging technology and increased memory requirements. The following type/model/series (T/M/S) naval aircraft are supported by JMPS: AH-1W, F/A-18 A-F, E-2C, EP-3E, EA-6B, AV-8B, S-3, V-22, Chief of Naval Air Training (CNATRA), EA-18G, MV-22, C-2, MH-53E, P-3, Aircraft Carrier Intelligence Center (CVIC), SH-60B/F, HH-60H, CH-53D/E, CH-46E, UH-1N, VH-3/VH-60, AH-1Z, UH-1Y, MH-60R/S and E-2D. Future JMPS platforms include: MQ-4C (Triton) and H-53K.

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 / Naval Mission Planning Systems	P-5		-	-	184.593	-	-	9.411	-	-	14.131	-	-	13.950	-	-	-	-	-	13.950
Total Gross/Weapon System Cost			-	-	184.593	-	-	9.411	-	-	14.131	-	-	13.950	-	-	-	-	-	13.950

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

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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 02: Communications & Electronics Equip / BSA 9: Aviation Electronic Equipment		P-1 Line Item Number / Title: 2876 / Naval Mission Planning Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.		
Justification: Items to be funded in this line include: Workstation Components - JMPS-M and JMPS-E procure tactical computer hardware through a non-developmental item acquisition strategy. Tactical computer equipment is used to plan and analyze expeditionary missions and aircraft routes under various mission configurations and operational threat environments. Primary outputs are tasking orders, courses of action (COAs), route plans, and mission essential data loads for mission execution. New workstations consist of aircraft unique data transfer devices and interfaces, Memory Data Loader Receptacles (MDLR) Small Computer Standard Interface (SCSI) (MDLR-S), Data Storage Unit Receptacle SCSI (DSUR-S), network hubs, printers, fleet training school workstations and other peripheral devices for USN/USNR/USMC/USMCR missions. Legacy data loader receptacle failures in addition to computer interface obsolescence and an inability to influence airframe changes for legacy aircraft in sustainment, drive a need to obtain a new data loader using a more extensive interface. JMPS Authority to Operate (ATO) requires compliance with Naval Network Warfare Command (NNWC)-issued Information Assurance (IA) mandates and Communications Tasking Orders (CTOs). Software/Production Engineering Support - The NavMPS program produces software releases via an evolutionary development process. These releases contain enhancements based on fleet inputs and technology challenges. They also contain changes required to retain compatibility with supported platforms, associated weapons, and threat and imagery databases providing input to NavMPS. Software releases are independent of hardware buys. Cost element includes production support services, engineering support services, independent verification and validation test and acceptance, site activation, IA compliance and quality assurance efforts. Integrated Logistics Support - Site surveys, prepare site installation drawings, on-site engineering and logistics evaluations for installations and delivery systems comply with the specified configuration. This includes the production and delivery of technical documentation and training materials such as OPNOTES, installation instructions, user manuals required during the fielding of NavMPS products. ILS is a cost factor independent of FY hardware quantity and cost. FY15 provides funding to procure nine hundred seventy four (974) JMPS-M flight planning seats, and five (5) JMPS-E workstations, the continuation of enhancements of software releases based on fleet inputs, emerging technologies, IA compliance and associated logistics support. FY15 laptop procurement supports F/A-18 A-F, EA-18G, V-22, P-3, MH-60R/S. The deployments of these laptops are critical during the initial fielding of the Windows 7 Mission Planning Environments (MPE) to support platform schedules. Additionally, funding provides for SIPRNET Public Key Infrastructure (PKI) Information Assurance compliance and increased memory requirements and for continuing Windows 7 deployment to the fleet.		

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9							P-1 Line Item Number / Title: 2876 / Naval Mission Planning Systems							Item Number / Title [DODIC]: 1 / Naval Mission Planning Systems								
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>					184.593			9.411			14.131			13.950			-			13.950		
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Net Procurement (P1) <i>(\$ in Millions)</i>					184.593			9.411			14.131			13.950			-			13.950		
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-		
Total Obligation Authority <i>(\$ in Millions)</i>					184.593			9.411			14.131			13.950			-			13.950		
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																						
Initial Spares <i>(\$ in Millions)</i>					-			0.560			0.503			0.750			-			0.750		
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 - JMPS Hardware Cost																						
Recurring Cost																						
1.1.1) S7403 JMPS-M FLIGHT PLANNING SEAT ⁽¹⁾			5,091.19	7,424	37.797	4,078.67	750	3.059	3,336.00	750	2.502	3,392.20	974	3.304	-	-	-	3,392.20	974	3.304		
1.1.2) S7408 JMPS-E EXPEDITIONARY WARFARE ⁽²⁾			5,174.53	212	1.097	7,200.00	5	0.036	3,295.10	5	0.016	3,392.47	5	0.017	-	-	-	3,392.47	5	0.017		
1.1.3) S7850 JMPS-M Support Equipment ⁽³⁾			-	-	-	-	-	-	-	-	5.369	-	-	2.572	-	-	-	-	-	2.572		
1.1.4) S7851 JMPS-E Support Equipment ⁽⁴⁾			-	-	-	-	-	-	-	-	0.022	-	-	0.020	-	-	-	-	-	0.020		
Subtotal: Recurring Cost			-	-	38.894	-	-	3.095	-	-	7.909	-	-	5.913	-	-	-	-	-	5.913		
Subtotal: Hardware - JMPS Hardware Cost			-	-	38.894	-	-	3.095	-	-	7.909	-	-	5.913	-	-	-	-	-	5.913		
Software - JMPS Software Cost																						
Recurring Cost																						
2.1.1) Software			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Recurring Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Subtotal: Software - JMPS Software Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Support Cost																						
3.1) S7820 Other Costs ⁽⁵⁾			-	-	145.699	-	-	6.316	-	-	-	-	-	-	-	-	-	-	-	-		

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 9							P-1 Line Item Number / Title: 2876 / Naval Mission Planning Systems							Item Number / Title [DODIC]: 1 / Naval Mission Planning Systems					

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)
3.2) S7830 Software/ Production Engineering Support ⁽⁶⁾		-	-	-	-	-	-	-	-	5.464	-	-	6.824	-	-	-	-	-	6.824
3.3) S7800 Integrated Logistics Support ⁽⁷⁾		-	-	-	-	-	-	-	-	0.758	-	-	1.213	-	-	-	-	-	1.213
<i>Subtotal: Support Cost</i>		-	-	145.699	-	-	6.316	-	-	6.222	-	-	8.037	-	-	-	-	-	8.037
Gross/Weapon System Cost		-	-	184.593	-	-	9.411	-	-	14.131	-	-	13.950	-	-	-	-	-	13.950

Footnotes:

- (1) FY13 JMPS-M FLIGHT PLANNING SEAT unit cost/total cost reflects JMPS-M workstations which includes support equipment. FY13 JMPS-M FLIGHT PLANNING SEAT quantities and support equipment reductions due to sequestration resulted in a unit cost decrease. FY14-19 unit cost and total cost only reflect JMPS-M laptop procurement. Quantities reflect JMPS-M laptop procurement. Quantities adjusted to meet Fleet demand. JMPS laptop quantities are currently based on Fleet demand which is validated by CNAF. Fluctuations account for implementation of just-in-time inventory best practices and maximization of laptop warranties. FY14-19 laptop unit costs are based on current laptop model (GETAC X500) plus inflation. The laptop candidates determined by Fleet requirements and COTS/Military spec software/hardware compatibility.
- (2) FY13 JMPS-E EXPEDITIONARY WARFARE unit cost/total cost reflects JMPS-E workstations which includes support equipment. FY13 JMPS-E EXPEDITIONARY WARFARE support equipment reductions due to sequestration resulted in a unit cost decrease. FY14-19 unit cost and total cost only reflect JMPS-E laptop procurement. Quantities reflect JMPS-E laptop procurement. Quantities adjusted to meet Fleet demand. FY14-19 laptop unit costs are based on current laptop model (GETAC X500) plus inflation. The laptop candidates determined by Fleet requirements and COTS/Military spec software/hardware compatibility.
- (3) Support Equipment includes storage devices, network hubs, printers, initial fleet training school workstations, Advanced Data Loader Receptacles and other peripheral devices for USN/USNR/USMC/USMCR missions. FY14 cost increase due to obsolescence issues for data loader receptacles and storage devices. FY15-16 cost increase due to SIPRNET Public Key Infrastructure (PKI) Information Assurance compliance and increased memory requirements.
- (4) Support Equipment includes storage devices, network hubs, printers, and other peripheral devices for USN/USNR/USMC/USMCR missions.
- (5) Other costs consist of Integrated Logistics Support and Software/Production Engineering.
- (6) FY15-16 Software/Production Engineering Support increase due to the number of Mission Planning Environments/aircraft supported (43 T/M/S by FY15), support of initial fielding of Windows 7 operating system (41 T/M/S) and Information Assurance (IA) mandates. All platforms will be outfitted with Windows 7 before April 2016.
- (7) FY15 Integrated Logistics Support increase due to Windows 7 technical documentation and Information Assurance (IA) mandates. All platforms will be outfitted with Windows 7 before April 2016.

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment						P-1 Line Item Number / Title: 2804 / Depl JT Cmd & Control (DJC2)														
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0603237N												
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>)	148.480	8.469	3.249	1.205	-	1.205	2.254	1.133	2.348	2.414	144.033	313.585								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	148.480	8.469	3.249	1.205	-	1.205	2.254	1.133	2.348	2.414	144.033	313.585								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	148.480	8.469	3.249	1.205	-	1.205	2.254	1.133	2.348	2.414	144.033	313.585								
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																				
Initial Spares (<i>\$ in Millions</i>)	-	0.374	0.280	0.295	-	0.295	0.277	0.290	0.300	0.306	Continuing	Continuing								
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:																				
Deployable Joint Command and Control (DJC2) provides a self contained, standardized, rapidly deployable, modular, scaleable, and reconfigurable joint command and control (C2) capability to designated Geographic Combatant Commands (GCCs). DJC2 is the material solution to Defense Planning Guidance that called for the development of Standing Joint Task Forces (JTFs) with a deployable C2 capability. DJC2 will ensure that Joint Force Commanders (JFC) are equipped, as well as trained and organized, to carry out their C2 responsibilities. DJC2 provides GCCs and JFCs a mission critical, integrated family of systems with which to plan, control, coordinate, execute, and assess operations. It is designed to deploy rapidly, set up within hours, and quickly provide necessary C2 mission and collaboration functionality across the full spectrum of JTF operations. The DJC2 has also been deployed in support of Humanitarian Assistance and Disaster Relief (HA/DR) efforts. The capability is intended for all levels of conflict and will be reconfigurable to meet specific GCC and JTF mission requirements. This capability is interoperable with higher and adjacent echelons of command (to include coalition allies) as well as with supporting elements to include joint forces.																				
DJC2 sites are as follows: 6 DJC2 cores garrisoned at USSOUTHCOM Tampa, Florida (1), USEUCOM Stuttgart, Germany (1), US Army South, San Antonio, Texas (1), AFRICOM (SETAF) Vicenza, Italy (1), USPACOM Camp Smith, Hawaii (1),and Marine Expeditionary Force (III MEF) Camp Hensen, Japan (1).																				
Note that DJC2 is not a follow-on or replacement system for the joint Global Command and Control Systems (GCCS); rather, DJC2 will utilize GCCS in its core suite of applications, ensuring interoperability with the worldwide-installed base of GCCS-J.																				
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)
Item - 1 / Depl JT Cmd & Control (DJC2)	P-5		-	-	148.480	-	-	8.469	-	-	3.249	-	-	1.205	-	-	-	-	-	1.205

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2804 / Depl JT Cmd & Control (DJC2)											
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0603237N									
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)	
Total Gross/Weapon System Cost			-	-	148.480	-	-	8.469	-	-	3.249	-	-	1.205	-	-	-	-	-	1.205	
*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 procures System Enhancements for the six cores.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10							P-1 Line Item Number / Title: 2804 / Depl JT Cmd & Control (DJC2)						Item Number / Title [DODIC]: 1 / Depl JT Cmd & Control (DJC2)						
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>					148.480		8.469		3.249		1.205		-		1.205				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					148.480		8.469		3.249		1.205		-		1.205				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					148.480		8.469		3.249		1.205		-		1.205				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>					-		0.374		0.280		0.295		-		0.295				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</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 (\$ 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)
Flyaway - Increment I RRK/EoIP Enhancements (JH400) Cost																			
Non Recurring Cost																			
1.1.1) Increment I RRK/EoIP Enhancements		525.000	2	1.050	390.000	2	0.780	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	1.050	-	-	0.780	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - Increment I RRK/EoIP Enhancements (JH400) Cost		-	-	1.050	-	-	0.780	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - Increment I System Enhancements (JH500) Cost																			
Recurring Cost																			
2.1.1) Increment I System Enhancements		13,402.727	11	147.430	2,563.000	3	7.689	541.500	6	3.249	200.833	6	1.205	-	-	-	200.833	6	1.205
Subtotal: Recurring Cost		-	-	147.430	-	-	7.689	-	-	3.249	-	-	1.205	-	-	-	-	-	1.205
Subtotal: Flyaway - Increment I System Enhancements (JH500) Cost		-	-	147.430	-	-	7.689	-	-	3.249	-	-	1.205	-	-	-	-	-	1.205
Gross/Weapon System Cost		-	-	148.480	-	-	8.469	-	-	3.249	-	-	1.205	-	-	-	-	-	1.205

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment							P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast 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 (<i>Units in Each</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (<i>\$ in Millions</i>)	60.490	13.680	11.646	3.447	-	3.447	0.001	-	0.065	0.140	-	89.469
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	60.490	13.680	11.646	3.447	-	3.447	0.001	-	0.065	0.140	-	89.469
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	60.490	13.680	11.646	3.447	-	3.447	0.001	-	0.065	0.140	-	89.469
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.432	-	-	-	-	-	-	-	-	-	0.432
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: Maritime Integrated Broadcast Service (MIBS): Project charter is to deliver Integrated Broadcast Service (IBS) data to operational and tactical decision makers aboard United States Navy surface ships, shore headquarters, and other joint platforms. It disseminates organic and non-organic derived data from Navy platforms to other theater tactical, operational, and strategic users. MIBS will give the Navy a capability to receive, transmit, and deliver near real time IBS data, enhancing the Common Operational Picture (COP) supporting operations in all warfare areas, including Ballistic Missile Defense (BMD), Anti-Air Warfare (AAW), Anti-Surface Warfare (ASW), Undersea Warfare (UW), and Electronic Warfare (EW). DH530: Joint Tactical Terminal - Maritime (JTT-M) (AN/USQ-151) System is a Ultra High Frequency Satellite Communications system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the IBS network using Integrated Broadcast Service-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. The IBS networks feed the Common Operational Intelligence Picture and Maritime Domain Awareness with critical data, supports operational and strategic decision makers at component and combatant commander levels. JTT interfaces with Joint BMD systems to include: Aegis BMD, Theatre High Altitude Area Defense Missile System, and Patriot. JTT-M supports international naval relationships with IBS partner nations through interoperability, enables warfighters with national and theater tactical intelligence support in all warfare areas, strengthens collaborative environment for joint warfighting, and enhances effects based strike with increased Measure of Effectiveness (MOE) data set availability. JTT-M system (AN/USQ-151) will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)), that will become obsolete with the National Security Agency (NSA) crypto modernization mandate, as well as be able to provide IBS capability to Aegis platforms without IBS terminals. DH530: AN/USC-62 Upgrade Kits: The JTT-M AN/USQ -151 system is comprised of an AN/USC-62, JTT - Senior (Sr) subsystem, an operator workstation, and various pieces of equipment needed to interface and integrate the terminal into a Navy platform. The AN/USC-62 Upgrade Kits will enable compliance with NSA crypto modernization mandate, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform. DH530: Universal Computers: The procurement of new Grade A Universal Computers is required to host hardware and software to configure the AN/USC-62 terminal, as well as display and process IBS data. The universal computers are being replaced due to obsolescence.												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment												P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System									
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 (\$ 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 - 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	P-3a		-	-	6.363	-	-	2.312	-	-	0.096	-	-	-	-	-	-	-	-	-	
P-3a - 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	P-3a		-	-	1.402	-	-	0.579	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 3 / AN/USQ-151, JTT-M SYSTEMS - Ship	P-3a		-	-	49.310	-	-	10.539	-	-	8.675	-	-	2.182	-	-	-	-	-	2.182	
P-3a - 4 / AN/USQ-151, JTT-M SYSTEM - Shore	P-3a		-	-	3.415	-	-	0.250	-	-	2.875	-	-	1.265	-	-	-	-	-	1.265	
Total Gross/Weapon System Cost			-	-	60.490	-	-	13.680	-	-	11.646	-	-	3.447	-	-	-	-	-	3.447	
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
P-3a - 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8.771	
P-3a - 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.981	
P-3a - 3 / AN/USQ-151, JTT-M SYSTEMS - Ship	P-3a		-	-	0.001	-	-	-	-	-	0.065	-	-	0.140	-	-	-	-	-	70.912	
P-3a - 4 / AN/USQ-151, JTT-M SYSTEM - Shore	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.805	
Total Gross/Weapon System Cost			-	-	0.001	-	-	-	-	-	0.065	-	-	0.140	-	-	-	-	-	89.469	
*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: Maritime Integrated Broadcast System (MIBS) project has been tasked to support accelerated fleet deployment of Joint Tactical Terminal - Maritime (JTT-M) systems and legacy system upgrades to meet pressing operational requirements and to meet critical NSA mandated crypto upgrades, as detailed in NSA SIGINT Director classified memo. The JTT-M systems and upgrades are mandatory to allow/continue broadcast access for DX national priority BMD mission platforms and surface force self-protection capabilities as prioritized by NAVYCYBERFOR prioritization message, DTG: R291339Z MAR 13. Ships failing																					

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment		P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
to get upgrade and planned system installs will lose mission capability after classified deadlines pass. The MIBS Program is working with the type commanders to identify Window's of Opportunity (WOOs) to accelerate installs.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP

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>	6.363	2.312	0.096	-	-	-	-	-	-	-	-	8.771
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	6.363	2.312	0.096	-	-	-	-	-	-	-	-	8.771
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	6.363	2.312	0.096	-	-	-	-	-	-	-	-	8.771
<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:

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. AN/USC-62 upgrade kits update the terminals to support National Security Agency (NSA) mandated crypto modernization, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform. The universal computers are being replaced due to obsolescence.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System					Modification Number / Title: 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP			
Models of Systems Affected: Ship					Modification Type: Upgrade					Related RDT&E PEs: 0303109N			
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> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP													
B Kits													
Recurring													
1.1.1) AN/USC-62 Upgrade Kit - NonOrganic ⁽¹⁾	67 / 4.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 4.400
1.1.2) Universal Computers - Organic ⁽²⁾	43 / 0.567	24 / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 0.624
<i>Subtotal: Recurring</i>	- / 4.967	- / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.024
<i>Subtotal: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP</i>	110 / 4.967	24 / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	134 / 5.024
<i>Subtotal: Procurement, All Modification Items</i>	- / 4.967	- / 0.057	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.024
Support (All Modification Items)													
2.1) Production Support	- / 0.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.532
<i>Subtotal: Support</i>	- / 0.532	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.532
Installation													
<i>Modification Item 1 of 1:</i> AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP	- / 0.864	- / 2.255	- / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.215
<i>Subtotal: Installation</i>	- / 0.864	- / 2.255	- / 0.096	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.215
Total													
Total Cost (Procurement + Support + Installation)	6.363	2.312	0.096	-	-	-	-	-	-	-	-	-	8.771

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Exhibit P-3a, Individual Modification: PB 2015 Navy												Date: March 2014																			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System										Modification Number / Title: 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP											
Modification Item 1 of 1: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NCS Technologies Inc. ⁽³⁾														Manufacturer Location: >Gainesville, VA																	
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		Nov 2012																													
Delivery Dates		Feb 2013																													
Installation Information																															
Method of Implementation: Ship : Installation Name: AN/USC-62 Upgrade Kit																															
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		18 / 0.864		47 / 2.255		2 / 0.096		-		-		-		-		-		-		-		-		67 / 3.215							
FY 2013		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2014		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2015		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2016		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2017		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2018		-		-		-		-		-		-		-		-		-		-		-		-							
FY 2019		-		-		-		-		-		-		-		-		-		-		-		-							
To Complete		-		-		-		-		-		-		-		-		-		-		-		-							
Total		18 / 0.864		47 / 2.255		2 / 0.096		-		-		-		-		-		-		-		-		67 / 3.215							
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	8	10	11	7	14	12	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67
Out	8	10	11	7	14	12	2	2	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	67
Method of Implementation (Organic): Not Installed - Universal Computers																															
																				Installation Quantity: 67											
Footnotes:																															

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 1 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHIP
(1) Prior year funds procured 67 ship and 20 shore upgrade kits. (2) The Universal Computers are required to configure the AN/USC-62 Upgrade Kits, therefore they are installed in conjunction with the upgrade kits. (3) Universal Computers		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE

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>	1.402	0.579	-	-	-	-	-	-	-	-	-	1.981
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1.402	0.579	-	-	-	-	-	-	-	-	-	1.981
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1.402	0.579	-	-	-	-	-	-	-	-	-	1.981
<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:

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. AN/USC-62 upgrade kits update the terminals to support National Security Agency (NSA) mandated crypto modernization, Common Message Format (CMF) and Common Integrated Broadcast (CIB) waveform. The universal computers are being replaced due to obsolescence.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System				Modification Number / Title: 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE					
Models of Systems Affected: Shore				Modification Type: Upgrade				Related RDT&E PEs: 0303109N					
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: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE													
B Kits													
Recurring													
1.1.1) AN/USC-62 Upgrade Kit - NonOrganic ⁽⁴⁾	20 / 1.255	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 1.255	
1.1.2) Universal Computers - Organic ⁽⁵⁾	- / -	17 / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.039	
Subtotal: Recurring	- / 1.255	- / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.294	
Subtotal: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	20 / 1.255	17 / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	37 / 1.294	
Subtotal: Procurement, All Modification Items	- / 1.255	- / 0.039	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.294	
Support (All Modification Items)													
2.1) Production Support	- / 0.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.147	
Subtotal: Support	- / 0.147	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.147	
Installation													
Modification Item 1 of 1: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE	- / 0.000	- / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.540	
Subtotal: Installation	- / 0.000	- / 0.540	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.540	
Total													
Total Cost (Procurement + Support + Installation)	1.402	0.579	-	-	-	-	-	-	-	-	-	1.981	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System										Modification Number / Title: 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE											
Modification Item 1 of 1: AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: NCS Technologies Inc. ⁽⁶⁾														Manufacturer Location: >Gainesville, VA																	
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		Nov 2012																													
Delivery Dates		Feb 2013																													
Installation Information																															
Method of Implementation: Shore : Installation Name: AN/USC-62 Upgrade Kit																															
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 <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>									
Prior Years		- / -		20 / 0.540		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		20 / 0.540					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		20 / 0.540		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		20 / 0.540					
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	7	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Out	-	3	7	5	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20
Method of Implementation (Organic): Not Installed - Universal Computers																															
																				Installation Quantity: 17											
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 2 / AN/USC-62 UPGRADE KITS & UNIVERSAL COMPUTER - SHORE

(4) The MIBS program procured (20) AN/USC-62 upgrade kits from the Army's JTT-M Joint Program Office (JPO) contract to support the NSA Mandated Crypto Upgrade cutoff date.

(5) The Universal Computers are required to configure the AN/USC-62 Upgrade Kits, therefore they will be installed in conjunction with the upgrade kits. We are only procuring (17) shore universal computers because (3) shore sites do not require the universal computer upgrade.

(6) Universal Computers

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 3 / AN/USQ-151, JTT-M SYSTEMS - Ship

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>)	49.310	10.539	8.675	2.182	-	2.182	0.001	-	0.065	0.140	-	70.912
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	49.310	10.539	8.675	2.182	-	2.182	0.001	-	0.065	0.140	-	70.912
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	49.310	10.539	8.675	2.182	-	2.182	0.001	-	0.065	0.140	-	70.912

(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:

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. New AN/USQ-62, JTT-Senior systems will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) which will become obsolete with the National Security Agency (NSA) crypto modernization mandate as well as be able to provide IBS capability to AEGIS platforms without IBS terminals.

First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

SECNAV Waivers will be submitted for decommissioning CG's when officially promulgated By the Department of the Navy Ship Annual Supplemental Data Tables (SASDT). The Joint Tactical Terminal - Maritime is required for receipt of Over-The-Air (OTA) Near Real Time (NRT) intelligence and Force Protection that would otherwise be unavailable to Joint forces during early entry operations, and in areas of operation that lack a mature wideband communications and dissemination infrastructure. JTT-M on CG's provides enhanced platform Common Operational Picture (COP) and Platform Protection through early Indications and Warnings (I&W).

[AN/USQ-151, JTT-M Systems] Maritime Integrated Broadcast System (MIBS) project has been tasked to support accelerated fleet deployment of Joint Tactical Terminal - Maritime (JTT-M) systems and legacy system upgrades to meet pressing operational requirements and to meet critical NSA mandated crypto upgrades, as detailed in NSA SIGINT Director classified memo. The JTT-M systems and upgrades are mandatory to allow/continue broadcast access for DX national priority BMD mission platforms and surface force self-protection capabilities as prioritized by NAVCYBERFOR prioritization message, DTG: R291339Z MAR 13. Ships failing to get upgrade and planned system installs will lose mission capability after classified deadlines pass. The MIBS Program is working with the type commanders to identify WOO's to accelerate installs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System				Modification Number / Title: 3 / AN/USQ-151, JTT-M SYSTEMS - Ship					
Models of Systems Affected: Ship				Modification Type: New Model				Related RDT&E PEs: 0303109N					
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: AN/USQ-151, JTT-M SYSTEMS - Ship													
B Kits													
Recurring													
1.1.1) AN/USQ-151, JTT-M Systems - NonOrganic ⁽⁷⁾	60 / 28.015	10 / 5.638	4 / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	74 / 35.953	
1.1.2) Ancillary Equipment - Organic	21 / 1.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 1.040	
Subtotal: Recurring	- / 29.055	- / 5.638	- / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.993	
Subtotal: AN/USQ-151, JTT-M SYSTEMS - Ship	81 / 29.055	10 / 5.638	4 / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	95 / 36.993	
Subtotal: Procurement, All Modification Items	- / 29.055	- / 5.638	- / 2.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 36.993	
Support (All Modification Items)													
2.1) Production Support	- / 6.708	- / 0.665	- / 0.567	- / -	- / -	- / -	- / 0.001	- / -	- / 0.065	- / 0.140	- / -	- / 8.146	
2.2) DSA	- / 2.802	- / 1.148	- / 0.368	- / 0.142	- / -	- / 0.142	- / -	- / -	- / -	- / -	- / -	- / 4.460	
Subtotal: Support	- / 9.510	- / 1.813	- / 0.935	- / 0.142	- / -	- / 0.142	- / 0.001	- / -	- / 0.065	- / 0.140	- / -	- / 12.606	
Installation													
Modification Item 1 of 1: AN/USQ-151, JTT-M SYSTEMS - Ship	- / 10.745	- / 3.088	- / 5.440	- / 2.040	- / -	- / 2.040	- / -	- / -	- / -	- / -	- / -	- / 21.313	
Subtotal: Installation	- / 10.745	- / 3.088	- / 5.440	- / 2.040	- / -	- / 2.040	- / -	- / -	- / -	- / -	- / -	- / 21.313	
Total													
Total Cost (Procurement + Support + Installation)	49.310	10.539	8.675	2.182	-	2.182	0.001	-	0.065	0.140	-	70.912	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System										Modification Number / Title: 3 / AN/USQ-151, JTT-M SYSTEMS - Ship											
Modification Item 1 of 1: AN/USQ-151, JTT-M SYSTEMS - Ship																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Raytheon ⁽⁸⁾														Manufacturer Location: >St. Petersburg, FL																	
Administrative Leadtime <i>(in Months)</i> : 2														Production Leadtime <i>(in Months)</i> : 13																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Dec 2013																									
Delivery Dates		Jan 2014				Jan 2015																									
Installation Information																															
Method of Implementation: Ship : Installation Name: AN/USQ-151, JTT-M Systems																															
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 <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>		Qty <i>(Each)</i> / Total Cost <i>(\$ M)</i>									
Prior Years		44 / 10.745		8 / 3.088		8 / 2.720		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		60 / 16.553					
FY 2013		- / -		- / -		8 / 2.720		2 / 0.680		- / -		2 / 0.680		- / -		- / -		- / -		- / -		- / -		- / -		10 / 3.400					
FY 2014		- / -		- / -		- / -		4 / 1.360		- / -		4 / 1.360		- / -		- / -		- / -		- / -		- / -		- / -		4 / 1.360					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		44 / 10.745		8 / 3.088		16 / 5.440		6 / 2.040		- / -		6 / 2.040		- / -		- / -		- / -		- / -		- / -		- / -		74 / 21.313					
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	44	-	-	1	3	4	4	5	6	1	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
Out	44	-	-	1	3	4	4	5	6	1	3	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74
Method of Implementation (Organic): Not Installed - Ancillary Equipment																															
																				Installation Quantity: 21											
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 3 / AN/USQ-151, JTT-M SYSTEMS - Ship

(7) JTT-M System unit cost fluctuates depending on economy of scales savings. When Navy and OCF procurements are combined, cost decreases per unit.

(8) AN/USQ-151, JTT-M Systems

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 4 / AN/USQ-151, JTT-M SYSTEM - Shore

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>	3.415	0.250	2.875	1.265	-	1.265	-	-	-	-	-	7.805
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	3.415	0.250	2.875	1.265	-	1.265	-	-	-	-	-	7.805
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	3.415	0.250	2.875	1.265	-	1.265	-	-	-	-	-	7.805

(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:

The AN/USQ-151, JTT-M system is a Ultra High Frequency (UHF) Satellite Communications (SATCOM) radio system that will give the shipboard and ashore users the capability to participate in national and joint theater level tactical intelligence data exchange through the Integrated Broadcast Service (IBS) network using IBS-Simplex (IBS-S) and IBS-Interactive (IBS-I) data. New AN/USQ-62, JTT-Senior systems will replace legacy terminals (Tactical Receive Equipment (TRE) and Commanders Tactical Terminal (CTT)) which will become obsolete with the National Security Agency (NSA) crypto modernization mandate as well as be able to provide IBS capability to AEGIS platforms without IBS terminals.

First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

[AN/USQ-151, JTT-M SYSTEM] Maritime Integrated Broadcast System (MIBS) project has been tasked to support accelerated fleet deployment of Joint Tactical Terminal - Maritime (JTT-M) systems and legacy system upgrades to meet pressing operational requirements and to meet critical NSA mandated crypto upgrades, as detailed in NSA SIGINT Director classified memo. The JTT-M systems and upgrades are mandatory to allow/continue broadcast access for DX national priority BMD mission platforms and surface force self-protection capabilities as prioritized by NAVCYBERFOR prioritization message, DTG: R291339Z MAR 13. Ships failing to get upgrade and planned system installs will lose mission capability after classified deadlines pass. The MIBS Program is working with the type commanders to identify WOO's to accelerate installs.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System					Modification Number / Title: 4 / AN/USQ-151, JTT-M SYSTEM - Shore				
Models of Systems Affected: Shore				Modification Type: New Model					Related RDT&E PEs: 0303109N				
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: AN/USQ-151, JTT-M SYSTEM - Shore													
B Kits													
Recurring													
1.1.1) AN/USQ-151, JTT-M SYSTEM - NonOrganic ⁽⁹⁾	8 / 2.263	- / -	5 / 2.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 5.138	
Subtotal: Recurring	- / 2.263	- / -	- / 2.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.138	
Subtotal: AN/USQ-151, JTT-M SYSTEM - Shore	8 / 2.263	- / -	5 / 2.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 5.138	
Subtotal: Procurement, All Modification Items	- / 2.263	- / -	- / 2.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.138	
Installation													
Modification Item 1 of 1: AN/USQ-151, JTT-M SYSTEM - Shore	- / 1.152	- / 0.250	- / -	- / 1.265	- / -	- / 1.265	- / -	- / -	- / -	- / -	- / -	- / 2.667	
Subtotal: Installation	- / 1.152	- / 0.250	- / -	- / 1.265	- / -	- / 1.265	- / -	- / -	- / -	- / -	- / -	- / 2.667	
Total													
Total Cost (Procurement + Support + Installation)	3.415	0.250	2.875	1.265	-	1.265	-	-	-	-	-	7.805	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2900 / Maritime Integrated Broadcast System	Modification Number / Title: 4 / AN/USQ-151, JTT-M SYSTEM - Shore

Modification Item 1 of 1: AN/USQ-151, JTT-M SYSTEM - Shore

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon ⁽¹⁰⁾				Manufacturer Location: >St. Petersburg, FL			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 13			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012	Dec 2013					
Delivery Dates	Jan 2014	Jan 2015					

Installation Information

Method of Implementation: [none specified] : Installation Name: AN/USQ-151, JTT-M 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	7 / 1.152	1 / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.402
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	5 / 1.265	- / -	5 / 1.265	- / -	- / -	- / -	- / -	- / -	5 / 1.265
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 1.152	1 / 0.250	- / -	5 / 1.265	- / -	5 / 1.265	- / -	- / -	- / -	- / -	- / -	13 / 2.667

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	-	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13
Out	7	-	-	-	1	-	-	-	-	-	3	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13

Footnotes:

⁽⁹⁾ JTT-M System unit cost fluctuates depending on economy of scales savings. When Navy and OCF procurements are combined, cost decreases per unit.

⁽¹⁰⁾ AN/USQ-151, JTT-M 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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment						P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems						
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements: 0604231N				
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>)	19.830	14.435	18.189	16.766	-	16.766	14.489	14.926	15.214	15.550	42.314	171.713
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	19.830	14.435	18.189	16.766	-	16.766	14.489	14.926	15.214	15.550	42.314	171.713
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	19.830	14.435	18.189	16.766	-	16.766	14.489	14.926	15.214	15.550	42.314	171.713
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.482	0.709	0.320	-	0.320	0.307	0.310	0.610	0.448	Continuing	Continuing
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:												
Tactical/Mobile (TacMobile) Command and Control, Communications, Computers and Intelligence (C4I) Systems: The TacMobile program provides evolutionary C4I capabilities and ancillary equipment upgrades to support the unified, fleet, and Navy component commanders, the maritime patrol and reconnaissance, theater, and the naval liaison element commanders (ashore) with the capability to plan, direct and control the tactical operations of joint and naval expeditionary forces and other assigned units within their respective area of responsibility. Each TacMobile unit is a system-of-systems which includes a C2I (command, control and intelligence) component, and communications, networks, computers, mobility, and facilities components. The command and control services are currently provided by Global Command and Control System - Maritime (GCCS-M) and include core GCCS-M capabilities, analysis, correlation and fusion of diverse sensor information; data management support, command decision aids; access to rapid data communication, mission planning and evaluation; dissemination of ocean surveillance positional data and threat alerts to operational users ashore and afloat. The communications and mobility component provides communications interconnectivity between various joint and naval commands, as well as the equipment necessary to make the systems mobile and self-sustaining in operational environments. The networks and computers component provides the computing infrastructure, net-centricity, and data processing environment for the operational units. The Tactical/Mobile System includes the fixed site Tactical Operations Centers (TOC), and the Mobile Tactical Operations Centers (MTOC) which is a mobile version of the TOC for contingency operations, and the scalable and highly portable Joint Mobile Ashore Support Terminal (JMAST).												
TacMobile systems TOC and MTOC are undergoing a transformation from forward deployed, fixed sites to a more mobile, expeditionary force to better support the Navy's surge requirements. 10 TOCs: 7 operational systems (located at Jacksonville Florida, Sigonella Italy, Kaneohe Bay Hawaii, Whidbey Island Washington, Kadena Japan, Misawa Japan, and Bahrain), 1 training site(Center for Naval Air Technical Training (CNATT) Jacksonville Florida), 2 laboratory sites (a communications integration lab located at Space & Naval Warfare Systems Command Systems Center (SSC) Atlantic, and an aircraft integration lab at SSC Atlantic detachment (Patuxent River Maryland).												
14 MTOCs: 11 operational systems (home ported at Jacksonville Florida (5 sites), Misawa Japan, Whidbey Island Washington (2 Sites), Comalapa El Salvador, and Coronado (North Island) California (2 sites)), 1 laboratory site (an aircraft integration lab located at Navy Detachment Dallas), and 1 C4I engineering and maintenance support system (located at the In Service Engineering Activity (ISEA), SSC Atlantic), and 1 C4I mobile systems school house (Center for Naval Air Technical Training (CNATT) Jacksonville Florida).												
3 JMASTs: 3 legacy operational systems (located at Pearl Harbor Hawaii, Sigonella Italy, and Bahrain).												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems									
ID Code (A=Service Ready, B=Not Service Ready) : B					Program Elements for Code B Items:					Other Related Program Elements: 0604231N									

Further transition and relocations are anticipated as primary maritime patrol and reconnaissance aircraft operating locations evolve in support of fleet operational requirements as a result of the ongoing transition to the P-8A as the replacement aircraft for the P-3C, and the introduction of the MQ-4C Triton.

The TOC and MTOC personnel along with their C4I infrastructure will transition with these aircraft from a primarily forward deployed force to a more expeditionary surge-ready force. This will entail a reduction in the number of fixed site TOC and an increase in the number of MTOCs.

The TacMobile program uses an evolutionary development strategy consisting of incremental upgrades to meet new and emergent fleet requirements, while retaining current capabilities.

Tactical Operations Center and Mobile Tactical Operations Center increments are planned and resourced to support the P-8A Multi-mission Maritime Aircraft (MMA), the MQ-4C Triton, and new and updated sensors on the P-3C series aircraft. T4050.

C4I and mobility equipment upgrades. Upgrades TOC and MTOC C4I equipment and associated software. It also includes mobility and facilities equipment necessary to power and support the C4I equipment in both fixed site and mobile configurations.

Code B is only applicable for Increment 3.

All other increments are Code A.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Tactical/Mobile (TacMobile) C4I Systems	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / Tactical/Mobile (TacMobile) C4I Systems-Tech Refresh 2.0.1	P-3a		-	-	4.487	-	-	2.410	-	-	3.400	-	-	2.038	-	-	-	-	-	2.038
P-3a - 2 / Tactical/Mobile (TacMobile) C4I Systems-Increment 2.1	P-3a		-	-	11.100	-	-	7.606	-	-	9.112	-	-	8.991	-	-	-	-	-	8.991
P-3a - 3 / Tactical/Mobile (TacMobile) C4I Systems-Tech Refresh	P-3a		-	-	4.243	-	-	4.419	-	-	1.876	-	-	-	-	-	-	-	-	-
P-3a - 4 / Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1	P-3a		-	-	0.000	-	-	-	-	-	3.801	-	-	5.737	-	-	-	-	-	5.737
Total Gross/Weapon System Cost			-	-	19.830	-	-	14.435	-	-	18.189	-	-	16.766	-	-	-	-	-	16.766

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment											P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems										
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements: 0604231N									
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Tactical/Mobile (TacMobile) C4I Systems	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1	P-3a		-	-	0.358	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12.693	
P-3a - 2 / Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1	P-3a		-	-	0.359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	37.168	
P-3a - 3 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh	P-3a		-	-	-	-	-	-	-	4.357	-	-	3.058	-	-	-	-	-	-	17.953	
P-3a - 4 / Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1	P-3a		-	-	13.772	-	-	14.926	-	-	10.857	-	-	5.741	-	-	-	-	-	54.834	
Total Gross/Weapon System Cost			-	-	14.489	-	-	14.926	-	-	15.214	-	-	15.550	-	-	42.314	-	-	171.713	
*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: FY15 procurements include: Tech Refresh of TOC C4I; Tech Refresh of MTOC C4I; FRP Increment 2.1 TOC C4I upgrades; and Non recurring Fly Away Kit (FAK) procurements to meet JCIDS requirements for expeditionary operations. TacMobile has three distinct tech refresh efforts across the FYDP: "Tech Refresh 2.0.1" provides technical modernization and refresh to previously fielded Increment 2.0 systems and modernizes operating system baseline and maintains information security posture, "Tech Refresh 2.1.1" provides technical modernization and refresh to previously fielded Increment 2.1 systems to enable interface with P-8A Increment 2 engineering change proposals, and "Overarching Tech Refresh" which provides an end-to-end technical refresh to certain MTOC and TOC systems that have not been upgraded and refreshed to the same baseline as the remaining TacMobile systems. These units are now in need of refresh to enable systems capability and meet increased Fleet requirements.																					

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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 / 02 / 10						P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems										Aggregated Items Title: Tactical/Mobile (TacMobile) C4I Systems					
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) T4050 Tactical/Mobile																					
1.1) Increment 3 ⁽¹⁾	B		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) Shore Pre-Installation and Design	B		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) T4050 Tactical/Mobile			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) T4776 Installation																					
2.1) Increment 3	B		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) T4776 Installation			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	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 / 02 / 10								P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems							Aggregated Items Title: Tactical/Mobile (TacMobile) C4I Systems				

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) T4050 Tactical/Mobile																				
1.1) Increment 3 ⁽¹⁾	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Shore Pre-Installation and Design	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) T4050 Tactical/Mobile			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) T4776 Installation																				
2.1) Increment 3	B		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) T4776 Installation			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

⁽¹⁾ 1) Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2) Unit cost represents an average, because TacMobile is a system of systems. Configuration of systems change from year to year and cost will vary.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems					Modification Number / Title: 1 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1			

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>)	4.487	2.410	3.400	2.038	-	2.038	0.358	-	-	-	-	12.693
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.487	2.410	3.400	2.038	-	2.038	0.358	-	-	-	-	12.693
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.487	2.410	3.400	2.038	-	2.038	0.358	-	-	-	-	12.693

(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 technical modernization and technical refresh to fielded existing TacMobile Inc. 2.0 systems to ensure continued supportability and maintain fleet core capability functionally throughout service life.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems				Modification Number / Title: 1 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1				
Models of Systems Affected: INC 2.0				Modification Type: Tech Refresh				Related RDT&E PEs: 0604231N				
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												
<i>Modification Item 1 of 1:</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1												
B Kits												
Recurring												
1.1.1) TOC - NonOrganic ⁽²⁾	6 / 1.693	2 / 0.579	2 / 0.591	2 / 0.603	- / -	2 / 0.603	- / -	- / -	- / -	- / -	- / -	12 / 3.466
1.1.2) MTOC - NonOrganic	8 / 2.261	4 / 1.158	6 / 1.773	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 5.192
<i>Subtotal: Recurring</i>	- / 3.954	- / 1.737	- / 2.364	- / 0.603	- / -	- / 0.603	- / -	- / -	- / -	- / -	- / -	- / 8.658
<i>Subtotal: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1</i>	14 / 3.954	6 / 1.737	8 / 2.364	2 / 0.603	- / -	2 / 0.603	- / -	- / -	- / -	- / -	- / -	30 / 8.658
<i>Subtotal: Procurement, All Modification Items</i>	- / 3.954	- / 1.737	- / 2.364	- / 0.603	- / -	- / 0.603	- / -	- / -	- / -	- / -	- / -	- / 8.658
Support (All Modification Items)												
2.1) Production Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
2.2) Other (DSA)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
<i>Modification Item 1 of 1:</i> Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1	- / 0.533	- / 0.673	- / 1.036	- / 1.435	- / -	- / 1.435	- / 0.358	- / -	- / -	- / -	- / -	- / 4.035
<i>Subtotal: Installation</i>	- / 0.533	- / 0.673	- / 1.036	- / 1.435	- / -	- / 1.435	- / 0.358	- / -	- / -	- / -	- / -	- / 4.035
Total												
Total Cost (Procurement + Support + Installation)	4.487	2.410	3.400	2.038	-	2.038	0.358	-	-	-	-	12.693

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems	Modification Number / Title: 1 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1

Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT	Manufacturer Location: >Charleston, SC
Administrative Leadtime (in Months): 2	Production Leadtime (in Months): 7

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	Jul 2013	Jul 2014	Jul 2015				

Installation Information

Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems Tech Refresh 2.0.1

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	4 / 0.533	10 / 0.673	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.206
FY 2013	- / -	- / -	6 / 1.036	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.036
FY 2014	- / -	- / -	- / -	8 / 1.435	- / -	8 / 1.435	- / -	- / -	- / -	- / -	- / -	8 / 1.435
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.358	- / -	- / -	- / -	- / -	2 / 0.358
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 0.533	10 / 0.673	6 / 1.036	8 / 1.435	- / -	8 / 1.435	2 / 0.358	- / -	- / -	- / -	- / -	30 / 4.035

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	-	7	3	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Out	4	-	7	3	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30

Footnotes:

(2) 1) Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2) Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by increment. 3) Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations. 4) Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline. 5) Integration, pre-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems	Modification Number / Title: 1 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh 2.0.1

installation and checkout, packaging, and shipping require a 6 month lead time prior to installation. 6) TacMobile leverages efficiencies in contracting and economical order quantity benefits, for COTS and GOTS procurement items integrated into TacMobile components, by concurrently procuring similar items required for the fiscal year. The in-house integration and installation work can then be efficiently accomplished by sequentially integrating these items into the end item components, and fielded within scheduled fleet availability periods.

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10		P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems		Modification Number / Title: 2 / Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1			

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>)	11.100	7.606	9.112	8.991	-	8.991	0.359	-	-	-	-	37.168
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.100	7.606	9.112	8.991	-	8.991	0.359	-	-	-	-	37.168
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.100	7.606	9.112	8.991	-	8.991	0.359	-	-	-	-	37.168
<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:

This line procures Command & Control and Intelligence (C2I), Networks/Computers, Communications and Mobility/Facility Equipment in order to provide an upgraded capability to current Tactical Operation Center (TOC), Mobile Tactical Operation Center (MTOC), and Joint Mobile Ashore Support Terminal (JMAST) systems and their equivalents and to recapitalize equipment when it has reached the end of service life, thus assuring the existing system remains interoperable with Joint and Naval Forces, as well as with updated aircraft, sensors, and weapons systems.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems				Modification Number / Title: 2 / Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1					
Models of Systems Affected: INC 2.1				Modification Type: Tech Refresh				Related RDT&E PEs: 0604231N					
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: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽³⁾	4 / 4.042	2 / 1.943	2 / 1.990	2 / 2.029	- / -	2 / 2.029	- / -	- / -	- / -	- / -	- / -	10 / 10.004	
1.1.2) MTOC - NonOrganic	6 / 6.011	4 / 3.886	6 / 5.970	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 15.867	
1.1.3) Fly Away Kits - NonOrganic	- / -	- / -	- / -	8 / 5.213	- / -	8 / 5.213	- / -	- / -	- / -	- / -	- / -	8 / 5.213	
Subtotal: Recurring	- / 10.053	- / 5.829	- / 7.960	- / 7.242	- / -	- / 7.242	- / -	- / -	- / -	- / -	- / -	- / 31.084	
Subtotal: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1	10 / 10.053	6 / 5.829	8 / 7.960	10 / 7.242	- / -	10 / 7.242	- / -	- / -	- / -	- / -	- / -	34 / 31.084	
Subtotal: Procurement, All Modification Items	- / 10.053	- / 5.829	- / 7.960	- / 7.242	- / -	- / 7.242	- / -	- / -	- / -	- / -	- / -	- / 31.084	
Support (All Modification Items)													
2.1) Shore Pre-Installation Design	- / 0.193	- / 0.109	- / 0.116	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.418	
Subtotal: Support	- / 0.193	- / 0.109	- / 0.116	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.418	
Installation													
Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1	- / 0.854	- / 1.668	- / 1.036	- / 1.749	- / -	- / 1.749	- / 0.359	- / -	- / -	- / -	- / -	- / 5.666	
Subtotal: Installation	- / 0.854	- / 1.668	- / 1.036	- / 1.749	- / -	- / 1.749	- / 0.359	- / -	- / -	- / -	- / -	- / 5.666	
Total													
Total Cost (Procurement + Support + Installation)	11.100	7.606	9.112	8.991	-	8.991	0.359	-	-	-	-	37.168	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems										Modification Number / Title: 2 / Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1											
Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SSC LANT													Manufacturer Location: >Charleston, SC																		
Administrative Leadtime (in Months): 2													Production Leadtime (in Months): 2																		
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		Feb 2013				Feb 2014				Feb 2015																					
Installation Information																															
Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems Increment 2.1																															
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		2 / 0.854		8 / 1.668		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 2.522							
FY 2013		- / -		- / -		6 / 1.036		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 1.036							
FY 2014		- / -		- / -		- / -		8 / 1.435		- / -		8 / 1.435		- / -		- / -		- / -		- / -		- / -		8 / 1.435							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.359		- / -		- / -		- / -		- / -		2 / 0.359							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		2 / 0.854		8 / 1.668		6 / 1.036		8 / 1.435		- / -		8 / 1.435		2 / 0.359		- / -		- / -		- / -		- / -		26 / 5.352							
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	-	4	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26
Out	2	-	4	4	-	-	2	2	2	-	3	3	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems	Modification Number / Title: 2 / Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1

Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Increment 2.1

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	8 / 0.314	- / -	8 / 0.314	- / -	- / -	- / -	- / -	- / -	8 / 0.314
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	8 / 0.314	- / -	8 / 0.314	- / -	- / -	- / -	- / -	- / -	8 / 0.314

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
Out	-	-	-	-	-	-	-	-	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Footnotes:

⁽³⁾ 1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences. 3. Install costs vary due to different equipment mixes, site specific requirements, and varied, world-wide locations. 4. FY15 procurement includes non recurring Fly Away Kit components, to meet JCIDS requirements. Unit cost for FY15 procurements will differ from previous years due to these unique procurements. These Fly Away Kits are delivered Turn Key and do not require inhouse integration. 5. Integration, pre-installation and checkout, packaging, and shipping require a 6 month lead time prior to installation.

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10		P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems		Modification Number / Title: 3 / Tactical/Mobile (TacMobile) C4I Systems- 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>)	4.243	4.419	1.876	-	-	-	-	-	4.357	3.058	-	17.953
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.243	4.419	1.876	-	-	-	-	-	4.357	3.058	-	17.953
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.243	4.419	1.876	-	-	-	-	-	4.357	3.058	-	17.953
(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 overarching technical modernization and technical refresh to fielded existing TacMobile systems that have not routinely been refreshed or upgraded and are now due to shift in Fleet CONOPS required to be restored to full systems capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems				Modification Number / Title: 3 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh					
Models of Systems Affected: Various				Modification Type: Tech Refresh				Related RDT&E PEs: 0604231N					
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: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽⁴⁾	2 / 1.284	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.284	
1.1.2) MTOC - NonOrganic ⁽⁵⁾	4 / 2.569	2 / 1.854	1 / 1.081	- / -	- / -	- / -	- / -	- / -	2 / 4.357	1 / 2.558	- / -	10 / 12.419	
1.1.3) FY2013 OCO Funding (JMAST Tech Refresh) - NonOrganic	- / -	6 / 2.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.025	
Subtotal: Recurring	- / 3.853	- / 3.879	- / 1.081	- / -	- / -	- / -	- / -	- / -	- / 4.357	- / 2.558	- / -	- / 15.728	
Subtotal: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh	6 / 3.853	8 / 3.879	1 / 1.081	- / -	- / -	- / -	- / -	- / -	2 / 4.357	1 / 2.558	- / -	18 / 15.728	
Subtotal: Procurement, All Modification Items	- / 3.853	- / 3.879	- / 1.081	- / -	- / -	- / -	- / -	- / -	- / 4.357	- / 2.558	- / -	- / 15.728	
Installation													
Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh	- / 0.390	- / 0.540	- / 0.795	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / 2.225	
Subtotal: Installation	- / 0.390	- / 0.540	- / 0.795	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	- / -	- / 2.225	
Total													
Total Cost (Procurement + Support + Installation)	4.243	4.419	1.876	-	-	-	-	-	4.357	3.058	-	17.953	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems					Modification Number / Title: 3 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh		
Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: SSC LANT ⁽⁶⁾							Manufacturer Location: >Charleston, SC					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2012	Dec 2013										
Delivery Dates	Aug 2013	Feb 2014										
Manufacturer Name: SSC Lant-1 ⁽⁷⁾							Manufacturer Location: >Charleston, SC					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Dec 2012											
Delivery Dates	Mar 2013											
Installation Information												
Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems 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	6 / 0.390	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.390
FY 2013	- / -	6 / 0.540	2 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.040
FY 2014	- / -	- / -	1 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.295
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -		2 / 0.450	2 / 0.450
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.050	- / -	1 / 0.050
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 0.390	6 / 0.540	3 / 0.795	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.500	- / -	18 / 2.225

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems										Modification Number / Title: 3 / Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh											
Modification Item 1 of 1: Tactical/Mobile (TacMobile) C4I Systems- Tech Refresh																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems Tech Refresh																															
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	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	18	
Out	6	-	-	2	4	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	18	

Footnotes:

- (4) 1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade and refresh systems to be procured vary by Increment. 3. Install costs vary across fiscal years due to different equipment mixes, site specific requirements, and varied, world-wide locations. 4. Unit cost variances exist in Tech Refresh procurements in order to bring all TacMobile sites to a common configuration baseline. 5. FY13 & FY14 procure overarching MTOC EIGHT required Tech Refresh components. FY13 procurements consist of MTOC Command and Control and MTOC Enterprise, requiring 4 months integration lead time. FY14 requires no integration lead time.
- (5) 1. FY14 procures overarching MTOC KILO required Tech Refresh components. 2. Tech Refresh differs from year to year based on requirements.
- (6) TOC/MTOC equipment . The Production Lead Times for FY13 and FY14 are 9 months and 2 months respectively due to the procurement of dissimilar subcomponents from different vendors for different component integration and installations efforts.
- (7) FY13 installations include 2 Joint Mobile Ashore Support Terminal (JMAST) installs occurring in Q3. The production lead time for JMAST is 3 months.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems	Modification Number / Title: 4 / Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1

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>	0.000	-	3.801	5.737	-	5.737	13.772	14.926	10.857	5.741	-	54.834
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	3.801	5.737	-	5.737	13.772	14.926	10.857	5.741	-	54.834
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	3.801	5.737	-	5.737	13.772	14.926	10.857	5.741	-	54.834
<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 technical modernization and technical refresh to fielded existing TacMobile Command and Control, Networking, and Communications systems necessary to support P-8A Poseidon Increment 2 and MQ-4C Triton Unmanned Aerial System (UAS) at their Initial Operating Capability (IOC).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems				Modification Number / Title: 4 / Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1					
Models of Systems Affected: Inc 2.1				Modification Type: Upgrade				Related RDT&E PEs: 0604231N					
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: Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1													
B Kits													
Recurring													
1.1.1) TOC - NonOrganic ⁽⁸⁾	- / -	- / -	2 / 1.703	2 / 1.404	- / -	2 / 1.404	6 / 4.286	6 / 4.366	6 / 4.444	3 / 2.260	- / -	25 / 18.463	
1.1.2) MTOC - NonOrganic	- / -	- / -	2 / 1.702	6 / 4.212	- / -	6 / 4.212	12 / 8.480	12 / 8.514	6 / 4.333	3 / 2.206	- / -	41 / 29.447	
1.1.3) Shore Pre-Installation Design - Organic	- / -	- / -	- / -	- / 0.121	- / -	- / 0.121	- / 0.200	- / 0.200	- / 0.200	- / -	- / -	- / 0.721	
Subtotal: Recurring	- / 0.000	- / -	- / 3.405	- / 5.737	- / -	- / 5.737	- / 12.966	- / 13.080	- / 8.977	- / 4.466	- / -	- / 48.631	
Subtotal: Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1	- / -	- / -	4 / 3.405	8 / 5.737	- / -	8 / 5.737	18 / 12.966	18 / 13.080	12 / 8.977	6 / 4.466	- / -	66 / 48.631	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 3.405	- / 5.737	- / -	- / 5.737	- / 12.966	- / 13.080	- / 8.977	- / 4.466	- / -	- / 48.631	
Installation													
Modification Item 1 of 1: Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1	- / 0.000	- / -	- / 0.396	- / -	- / -	- / -	- / 0.806	- / 1.846	- / 1.880	- / 1.275	- / -	- / 6.203	
Subtotal: Installation	- / 0.000	- / -	- / 0.396	- / -	- / -	- / -	- / 0.806	- / 1.846	- / 1.880	- / 1.275	- / -	- / 6.203	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	3.801	5.737	-	5.737	13.772	14.926	10.857	5.741	-	54.834	

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Exhibit P-3a, Individual Modification: PB 2015 Navy				Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10		P-1 Line Item Number / Title: 2906 / Tactical/Mobile C4I Systems			Modification Number / Title: 4 / Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1		

Modification Item 1 of 1: Tactical Mobile (TacMobile) C4I Systems - Tech Refresh 2.1.1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT				Manufacturer Location: >Charleston, SC			
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		Jan 2014	Jan 2015				
Delivery Dates		Jul 2014	Jul 2015				

Installation Information

Method of Implementation: [none specified] : Installation Name: TacMobile C4I Systems Technical Refresh 2.1.1

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	4 / 0.396	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.396
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.806	- / -	- / -	- / -	- / -	8 / 0.806
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.846	- / -	- / -	- / -	18 / 1.846
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.880	- / -	- / -	18 / 1.880
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.275	- / -	12 / 1.275
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / -	6 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	4 / 0.396	- / -	- / -	- / -	8 / 0.806	18 / 1.846	18 / 1.880	12 / 1.275	6 / -	66 / 6.203

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	-	-	6	6	6	-	6	6	6	-	6	6	-	6	66
Out	-	-	-	-	-	-	-	-	4	-	-	-	-	-	4	4	-	-	6	6	6	-	6	6	6	-	6	6	-	6	66

Footnotes:

⁽⁸⁾ 1. Quantities represent separate Command & Control & Intelligence (C2I), Communications, and Mobility/Facility component system upgrades of TacMobile systems. 2. Unit cost represents an average, because TacMobile is a system of systems. Configuration of upgrade systems to be procured vary by site unique differences. 3. Install costs vary due to different equipment mixes, site specific requirements, and varied, world-wide locations. 4. FY14 procurements require no integration lead time. FY15-19 procurements require a 6 month lead time for integration, pre-installation and checkout, packaging, and shipping.

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment						P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)						
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements: 0305208N				
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>)	153.917	12.646	17.350	23.649	-	23.649	32.600	32.673	20.432	21.397	59.100	373.764
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	153.917	12.646	17.350	23.649	-	23.649	32.600	32.673	20.432	21.397	59.100	373.764
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	153.917	12.646	17.350	23.649	-	23.649	32.600	32.673	20.432	21.397	59.100	373.764
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.161	1.446	1.287	-	1.287	1.960	1.688	0.792	0.316	Continuing	Continuing
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:												
The Distributed Common Ground System - Navy (DCGS-N) is the Navy's portion of the Under Secretary of Defense, Intelligence (USD (I)) DCGS Family of Systems (FoS). The Department of Defense (DoD) has defined a DCGS architecture that will be compatible and interoperable across all of the Services' Intelligence, Surveillance and Reconnaissance (ISR) systems and operations. DCGS accesses and ingests data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers. This collected data is shared across a Joint enterprise using the DCGS Integration Backbone (DIB) and in time, the Defense Intelligence Information Enterprise (DI2E) to enhance access and sharing of ISR information across Joint forces through the use of common enterprise standards and services. DCGS FoS supports Joint Task Force (JTF)-level and below combat operations with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and Overseas Contingency Operations (OCO). DCGS is a cooperative effort between the services, agencies, and DoD to provide systems capable of receiving, processing, exploiting, and disseminating data from airborne and national reconnaissance platforms. DCGS-N core components include the Analyst Work Station from the Global Command and Control System (GCCS) - Integrated Imagery and Intelligence (I3), Generic Area Limitation Environment (GALE) Signal Intelligence (SIGINT), Common Geo-positioning Services (CGS), Image Product Library (IPL), Modernized Integrated Database (MIDB), Joint Concentrator Architecture (JCA) and Track Management Services.												
The DCGS-N system represents the integration of 1) The processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signals Intelligence (SIGINT); 2) Precision target geopositioning, mensuration, and imagery dissemination capabilities; 3) Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); and 4) Sharing of Intelligence, Surveillance, Reconnaissance and Targeting and Command and Control information via DIB, DI2E, and Net-Centric Enterprise Services (NCES) standards with a wide range of customers (e.g., Global Command and Control System - Maritime (GCCS-M)), Joint Mission Planning System (JMPS), and many others.												
The DCGS-N Enterprise Node (DEN), which incorporates current DIB standards and DI2E policy, facilitating interoperability and data sharing among the DCGS FoS. DCGS-N ensures compliance with the DoD DCGS network architecture.												
The Navy is focusing on establishing an ISR Enterprise way ahead that will emphasize a reach back strategy to provide intelligence products to support deployed ship and shore operations. The Navy will also migrate to a Service Oriented Architecture (SOA) that requires the development, integration, and testing of a Maritime ISR Enterprise capability, development and migration of ISR SOA applications, and development and integration to leverage a Common Computing Environment (CCE). Additionally, DCGS-N will become the focal point for migration of Maritime Domain Awareness (MDA) fusion and analysis (MFAS) tool applications for the Navy.												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment									P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)											
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements: 0305208N								
DCGS-N Increment 2 addresses a critical shortfall in Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capability and capacity to support operational, tactical planning, and execution across the full range of joint military operations. Existing TCPED shortfalls will be exacerbated by planned Navy, Joint, and Allied fielding of new Intelligence, Surveillance and Reconnaissance (ISR) platforms. Currently fielded systems provide localized processing capabilities that will be overwhelmed in future years without a significant change in the way the Navy processes, exploits and disseminates intelligence data. DCGS-N Increment 2 will deliver all source fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities and integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data. DCGS-N Increment 2 will be based on an enterprise solution to share this information across commands, services, and agencies to promote shared situational awareness. DCGS-N Increment 2 consists of multiple releases. The first release provides an enhanced Navy Intelligence, Surveillance and Reconnaissance (ISR) enterprise that converges and builds on the DCGS-N Increment 1 and Maritime Domain Awareness Enterprise Nodes; leverages the Defense Intelligence Information Enterprise (DI2E); is compliant with the Common Computing Environment (CCE); federates ISR and TCPED workflow and production improving throughput through automation; exploits new and evolving unmanned systems sensor data; provides Multi-Intelligence (Multi-INT) cross-queuing and modular tools. The second release enhances afloat ISR capabilities by providing a set of software centric tools providing Multi-INT fusion and analysis, behavior prediction and intelligent knowledge management designed to operate in disconnected or denied communications environment. Follow-on releases will be developed based on Fleet requirements. Intelligence Carry-On Program (ICOP) is a suite of multi-source intelligence and analytical capabilities which includes an integrated Three-Dimensional (3-D) operational picture displaying intelligence and other data sources to provide a richer and more complete picture of the battle space on Unit Level platforms. The system supports a full motion video capability that receives, processes, exploits, and disseminates organic and non-organic data as well as the ability to process and correlate Electronic Intelligence (ELINT) and external Communications Intelligence (COMINT Externals). It integrates mature Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) applications with shared storage and communication paths to reach back to the DCGS-N Enterprise Node (DEN), and to provide data sharing to the Maritime Operations Centers (MOC) and national ISR systems, making tactical users a part of the larger ISR enterprise. ICOP is subset to DCGS-N capabilities for Unit Level platforms. DCGS-N only fields on Force Level platforms. There are (91) Unit Level platforms identified to receive permanent ICOP Foundation Kit installations. ICOP Foundation Kits include all cabling and mounting plate foundations for antennas and ICOP box. The (91) Unit Level platforms will pull from a (72) ICOP System rotatable pool based on deployment. DCGS-N Increment 1 Product Improvement includes DCGS-N training equipment, DCGS-N hardware and software technical refresh, ancillary equipment and upgrades to extend service life and provide the fleet imagery intelligence capability. Equipment support includes the assembly and integration associated with the product improvements or modification.																				

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)
Item - 1 / ICOP	P-5		-	-	0.000	-	-	-	-	-	0.090	-	-	13.507	-	-	-	-	-	13.507
P-3a - 1 / DCGS-N INCREMENT 1 Afloat	P-3a		-	-	48.884	-	-	8.980	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / DCGS-N INCREMENT 1 Ashore	P-3a		-	-	26.905	-	-	-	-	-	6.414	-	-	-	-	-	-	-	-	-
P-3a - 3 / PRODUCT IMPROVEMENT Afloat	P-3a		-	-	52.662	-	-	2.002	-	-	7.696	-	-	10.142	-	-	-	-	-	10.142
P-3a - 4 / PRODUCT IMPROVEMENT Ashore	P-3a		-	-	25.466	-	-	1.664	-	-	3.150	-	-	-	-	-	-	-	-	-
P-3a - 5 / DCGS-N INCREMENT 2 Afloat	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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)											
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items:						Other Related Program Elements: 0305208N									
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 - 6 / DCGS-N INCREMENT 2 Ashore	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total Gross/Weapon System Cost			-	-	153.917	-	-	12.646	-	-	17.350	-	-	23.649	-	-	-	-	-	23.649	
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)	
Item - 1 / ICOP	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / DCGS-N INCREMENT 1 Afloat	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	57.864	
P-3a - 2 / DCGS-N INCREMENT 1 Ashore	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.319	
P-3a - 3 / PRODUCT IMPROVEMENT Afloat	P-3a		-	-	5.431	-	-	4.424	-	-	1.842	-	-	1.842	-	-	-	-	-	86.041	
P-3a - 4 / PRODUCT IMPROVEMENT Ashore	P-3a		-	-	10.786	-	-	9.934	-	-	1.965	-	-	-	-	-	59.100	-	-	112.065	
P-3a - 5 / DCGS-N INCREMENT 2 Afloat	P-3a		-	-	-	-	-	3.908	-	-	4.500	-	-	7.910	-	-	-	-	-	16.318	
P-3a - 6 / DCGS-N INCREMENT 2 Ashore	P-3a		-	-	-	-	-	-	-	-	12.125	-	-	11.645	-	-	-	-	-	23.770	
Total Gross/Weapon System Cost			-	-	32.600	-	-	32.673	-	-	20.432	-	-	21.397	-	-	59.100	-	-	373.764	
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: DCGS-N Increment 1 Block 2 planned procurements in FY15 include (6) DCGS-N Increment 1 technical refreshes ((6)1-rack afloat technical refreshes). These DCGS-N installations will replace the currently fielded legacy systems and leverage the Navy's Common Computing Environment (CCE) as applicable. In addition ICOP planned procurements in FY15 include (32) ICOP Foundation Kits and (21) ICOP systems. ICOP Foundation Kits will be permanently installed on Unit Level Platforms while ICOP systems will make-up a rotatable pool of non-permanent carry-on systems.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)									Item Number / Title [DODIC]: 1 / ICOP						
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	-	0.090	13.507	-	13.507	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	0.090	13.507	-	13.507	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	0.090	13.507	-	13.507	-	-	-	-	-	-						
(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.																			
Cost Elements	ID CD	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)
Hardware - ICOP Cost																			
Recurring Cost																			
1.1.1) ICOP Foundation Kit Procurement ⁽¹⁾		-	-	0.000	-	-	-	-	-	-	40.000	32	1.280	-	-	-	40.000	32	1.280
1.1.2) ICOP System Procurement ⁽²⁾		-	-	0.000	-	-	-	-	-	-	450.000	21	9.450	-	-	-	450.000	21	9.450
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	10.730	-	-	-	-	-	10.730
Subtotal: Hardware - ICOP Cost		-	-	0.000	-	-	-	-	-	-	-	-	10.730	-	-	-	-	-	10.730
Hardware - INSTALLATIONS Cost																			
Recurring Cost																			
2.1.1) ICOP Foundation Kit Installation Afloat		-	-	0.000	-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	1.600
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	1.600
Subtotal: Hardware - INSTALLATIONS Cost		-	-	0.000	-	-	-	-	-	-	-	-	1.600	-	-	-	-	-	1.600
Support Cost																			
3.1) ICOP Foundation Kit Production Support		-	-	0.000	-	-	-	-	-	-	-	-	0.083	-	-	-	-	-	0.083
3.2) ICOP System Production Support		-	-	0.000	-	-	-	-	-	-	-	-	0.614	-	-	-	-	-	0.614
3.3) ICOP Foundation Kit DSA		-	-	0.000	-	-	-	-	-	0.090	-	-	0.480	-	-	-	-	-	0.480

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10							P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)							Item Number / Title [DODIC]: 1 / ICOP					
Cost Elements	ID CD	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)
Subtotal: Support Cost		-	-	0.000	-	-	-	-	-	0.090	-	-	1.177	-	-	-	-	-	1.177
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	0.090	-	-	13.507	-	-	-	-	-	13.507
Cost Elements	ID CD	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)
Hardware - ICOP Cost																			
Recurring Cost																			
1.1.1) ICOP Foundation Kit Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) ICOP System Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - ICOP Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - INSTALLATIONS Cost																			
Recurring Cost																			
2.1.1) ICOP Foundation Kit Installation Afloat		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - INSTALLATIONS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																			
3.1) ICOP Foundation Kit Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) ICOP System Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) ICOP Foundation Kit DSA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Remarks: Intelligence Carry-On Program (ICOP) is a suite of multi-source intelligence and analytical capabilities which includes an integrated Three-Dimensional (3-D) operational picture displaying intelligence and other data sources to provide a richer and more complete picture of the battle space on Unit Level platforms. The system supports a full motion video capability that receives, processes, exploits, and disseminates organic and non-organic data as well as the ability to process and correlate Electronic Intelligence (ELINT) and external Communications Intelligence (COMINT Externals). It integrates a menu of mature																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Item Number / Title [DODIC]: 1 / ICOP
Commercial Off-the-Shelf (COTS) and Government Off-the-Shelf (GOTS) applications with shared storage and communication paths to reach back to the DCGS-N Enterprise Node (DEN), and to provide data sharing to the Maritime Operations Centers (MOC) and national ISR systems, making tactical users a part of the larger ISR enterprise.		
Footnotes: (1) ICOP Foundation Kit procurements include all cabling and mounting plate foundations for antennas/receivers. ICOP Foundation Kits will be permanently installed on (91) Unit Level platforms. The Unit Level platforms will pull from the ICOP system rotatable pool when deploying. ICOP Foundation Kit planned procurements in FY15 include (32) Kits. (2) ICOP System procurements include an ICOP Box and (2) CM3 Antennas. (2) CM3 Antennas provides the platform with approximately 360 degree coverage. ICOP Systems will not be permanently installed on a Platform. After procurement, ICOP Systems will become apart of a rotatable pool for deploying Unit Level Platforms. ICOP Systems planned procurements in FY15 include (21) ICOP Systems. ICOP systems will make-up a rotatable pool of non-permanent carry-on systems.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 1 / DCGS-N INCREMENT 1 Afloat

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>)	48.884	8.980	-	-	-	-	-	-	-	-	-	57.864
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	48.884	8.980	-	-	-	-	-	-	-	-	-	57.864
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	48.884	8.980	-	-	-	-	-	-	-	-	-	57.864
<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:

DCGS-N brings together the proven imagery exploitation capabilities of Joint Services Imagery Processing System - Navy (JSIPS-N) Tactical Input Segment (TIS) and the precision mensuration capability of the Precision Targeting Workstation (PTW), merges them with the Multi-Intelligence capability developed by the Joint Fires Network (JFN) and disseminates this throughout the ashore and afloat nodes. It supports Joint Task Force (JTF) -level combat operations and supports Joint Task Force Commanders and below with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and the Overseas Contingency Operations (OCO).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)				Modification Number / Title: 1 / DCGS-N INCREMENT 1 Afloat					
Models of Systems Affected: Ship				Modification Type: New Model				Related RDT&E PEs: 0305208N					
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: DCGS-N INCREMENT 1 Afloat													
B Kits													
Recurring													
1.1.1) Procurement Block 1 - NonOrganic ⁽³⁾	15 / 28.294	1 / 2.407	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 30.701	
1.1.2) Procurement Block 2 - NonOrganic	- / -	1 / 1.274	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.274	
Subtotal: Recurring	- / 28.294	- / 3.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.975	
Subtotal: DCGS-N INCREMENT 1 Afloat	15 / 28.294	2 / 3.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 31.975	
Subtotal: Procurement, All Modification Items	- / 28.294	- / 3.681	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 31.975	
Support (All Modification Items)													
2.1) Production Support	- / 2.624	- / 0.239	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.863	
2.2) DSA	- / 2.806	- / 0.160	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.966	
Subtotal: Support	- / 5.430	- / 0.399	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.829	
Installation													
Modification Item 1 of 1: DCGS-N INCREMENT 1 Afloat	- / 15.160	- / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.060	
Subtotal: Installation	- / 15.160	- / 4.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.060	
Total													
Total Cost (Procurement + Support + Installation)	48.884	8.980	-	-	-	-	-	-	-	-	-	57.864	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 1 / DCGS-N INCREMENT 1 Afloat											
Modification Item 1 of 1: DCGS-N INCREMENT 1 Afloat																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE															Manufacturer Location: >SAN DIEGO, CA																
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		Dec 2012																													
Delivery Dates		Jun 2013																													
Installation Information																															
Method of Implementation: Method : Installation Name: DCGS-N Increment 1 Afloat																															
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		13 / 15.160		2 / 2.450		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 17.610					
FY 2013		- / -		2 / 2.450		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2.450					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		13 / 15.160		4 / 4.900		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		17 / 20.060					
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	13	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	13	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Footnotes: ⁽³⁾ DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform (CVN, LHD, LCC, LHA), network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of installation work. 90 days are needed to allow																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 1 / DCGS-N INCREMENT 1 Afloat
sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 2 / DCGS-N INCREMENT 1 Ashore

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>)	26.905	-	6.414	-	-	-	-	-	-	-	-	33.319
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	26.905	-	6.414	-	-	-	-	-	-	-	-	33.319
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	26.905	-	6.414	-	-	-	-	-	-	-	-	33.319

(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:

DCGS-N brings together the proven imagery exploitation capabilities of Joint Services Imagery Processing System - Navy (JSIPS-N) Tactical Input Segment (TIS) and the precision mensuration capability of the Precision Targeting Workstation (PTW), merges them with the Multi-Intelligence capability developed by the Joint Fires Network (JFN) and disseminates this throughout the ashore and afloat nodes. It supports Joint Task Force (JTF) -level combat operations and supports Joint Task Force Commanders and below with critical intelligence for battle management and information dominance across the full spectrum of operations, including peace, conflict, war, and the Overseas Contingency Operations (OCO).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)					Modification Number / Title: 2 / DCGS-N INCREMENT 1 Ashore				
Models of Systems Affected: Shore				Modification Type: New Model					Related RDT&E PEs: 0305208N				
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: DCGS-N INCREMENT 1 Ashore													
B Kits													
Recurring													
1.1.1) Procurement Block 2 - NonOrganic ⁽⁴⁾	- / -	- / -	2 / 3.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.957	
Subtotal: Recurring	- / 0.000	- / -	- / 3.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.957	
Non-Recurring													
1.2.1) Procurement Block 1 - NonOrganic ⁽⁵⁾	10 / 20.680	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 20.680	
Subtotal: Non-Recurring	- / 20.680	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 20.680	
Subtotal: DCGS-N INCREMENT 1 Ashore	10 / 20.680	- / -	2 / 3.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 24.637	
Subtotal: Procurement, All Modification Items	- / 20.680	- / -	- / 3.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 24.637	
Support (All Modification Items)													
2.1) Production Support	- / 0.363	- / -	- / 0.257	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.620	
Subtotal: Support	- / 0.363	- / -	- / 0.257	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.620	
Installation													
Modification Item 1 of 1: DCGS-N INCREMENT 1 Ashore	- / 5.862	- / -	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.062	
Subtotal: Installation	- / 5.862	- / -	- / 2.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.062	
Total													
Total Cost (Procurement + Support + Installation)	26.905	-	6.414	-	-	-	-	-	-	-	-	33.319	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 2 / DCGS-N INCREMENT 1 Ashore											
Modification Item 1 of 1: DCGS-N INCREMENT 1 Ashore																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE															Manufacturer Location: >SAN DIEGO, CA																
Administrative Leadtime <i>(in Months)</i> : 2															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																									
Delivery Dates						Jun 2014																									
Installation Information																															
Method of Implementation: Method : Installation Name: DCGS-N Increment 1 Ashore																															
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 / 5.862		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 5.862					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		2 / 2.200		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2.200					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		10 / 5.862		- / -		2 / 2.200		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 8.062					
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	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Out	10	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12
Footnotes: ⁽⁴⁾ DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others).																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 2 / DCGS-N INCREMENT 1 Ashore

⁽⁵⁾ DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 3 / PRODUCT IMPROVEMENT Afloat

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>)	52.662	2.002	7.696	10.142	-	10.142	5.431	4.424	1.842	1.842	-	86.041
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	52.662	2.002	7.696	10.142	-	10.142	5.431	4.424	1.842	1.842	-	86.041
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	52.662	2.002	7.696	10.142	-	10.142	5.431	4.424	1.842	1.842	-	86.041
(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:

Tech Refresh/Upgrade integration procures Commerical Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupportable equipment for the DCGS-N program for the processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signal Intelligence (SIGINT); Precision target geopositioning, mensuration, and imagery dissemination capabilities; Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); Sharing of Intelligence, Surveillance, Reconnaissance and Targeting (ISRT) and Command and Control (C2) information via DCGS Integrated Backbone (DIB) and Net-Centric Enterprise Services (NCES) standards. Specifically, this funds tech refresh/upgrades/Engineering Change Proposals (ECPs) to its subsystems to provide access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)					Modification Number / Title: 3 / PRODUCT IMPROVEMENT Afloat				
Models of Systems Affected: Ship			Modification Type: Tech Refresh/Upgrade					Related RDT&E PEs: 0305208N					
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: PRODUCT IMPROVEMENT Afloat													
B Kits													
Recurring													
1.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic ⁽⁶⁾	3 / 11.566	1 / 0.866	4 / 4.314	6 / 6.067	- / -	6 / 6.067	2 / 1.719	2 / 1.713	1 / 0.866	1 / 0.866	- / -	20 / 27.977	
1.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic	11 / 12.738	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 12.738	
Subtotal: Recurring	- / 24.304	- / 0.866	- / 4.314	- / 6.067	- / -	- / 6.067	- / 1.719	- / 1.713	- / 0.866	- / 0.866	- / -	- / 40.715	
Subtotal: PRODUCT IMPROVEMENT Afloat	14 / 24.304	1 / 0.866	4 / 4.314	6 / 6.067	- / -	6 / 6.067	2 / 1.719	2 / 1.713	1 / 0.866	1 / 0.866	- / -	31 / 40.715	
Subtotal: Procurement, All Modification Items	- / 24.304	- / 0.866	- / 4.314	- / 6.067	- / -	- / 6.067	- / 1.719	- / 1.713	- / 0.866	- / 0.866	- / -	- / 40.715	
Support (All Modification Items)													
2.1) Equipment Support	- / 4.774	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.774	
2.2) Production Support	- / 2.224	- / 0.056	- / 0.242	- / 0.395	- / -	- / 0.395	- / 0.112	- / 0.111	- / 0.056	- / 0.056	- / -	- / 3.252	
2.3) DSA	- / 1.764	- / 0.280	- / 0.440	- / 0.480	- / -	- / 0.480	- / 0.400	- / 0.200	- / 0.120	- / 0.120	- / -	- / 3.804	
Subtotal: Support	- / 8.762	- / 0.336	- / 0.682	- / 0.875	- / -	- / 0.875	- / 0.512	- / 0.311	- / 0.176	- / 0.176	- / -	- / 11.830	
Installation													
Modification Item 1 of 1: PRODUCT IMPROVEMENT Afloat	- / 19.596	- / 0.800	- / 2.700	- / 3.200	- / -	- / 3.200	- / 3.200	- / 2.400	- / 0.800	- / 0.800	- / -	- / 33.496	
Subtotal: Installation	- / 19.596	- / 0.800	- / 2.700	- / 3.200	- / -	- / 3.200	- / 3.200	- / 2.400	- / 0.800	- / 0.800	- / -	- / 33.496	
Total													
Total Cost (Procurement + Support + Installation)	52.662	2.002	7.696	10.142	-	10.142	5.431	4.424	1.842	1.842	-	86.041	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 3 / PRODUCT IMPROVEMENT Afloat												
Modification Item 1 of 1: PRODUCT IMPROVEMENT Afloat																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: BAE															Manufacturer Location: >SAN DIEGO, CA																	
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		Dec 2012				Dec 2013				Dec 2014																						
Delivery Dates		Jun 2013				Jun 2014				Jun 2015																						
Installation Information																																
Method of Implementation: Method : Installation Name: Product Improvement Afloat DCGS-N/JSIPS																																
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		14 / 19.596		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		14 / 19.596						
FY 2013		- / -		1 / 0.800		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.800						
FY 2014		- / -		- / -		3 / 2.700		1 / 0.800		- / -		1 / 0.800		- / -		- / -		- / -		- / -		- / -		- / -		4 / 3.500						
FY 2015		- / -		- / -		- / -		3 / 2.400		- / -		3 / 2.400		3 / 2.400		- / -		- / -		- / -		- / -		- / -		6 / 4.800						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.800		1 / 0.800		- / -		- / -		- / -		- / -		2 / 1.600						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 1.600		- / -		- / -		- / -		- / -		2 / 1.600						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.800		- / -		- / -		- / -		1 / 0.800						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.800		- / -		- / -		1 / 0.800						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		14 / 19.596		1 / 0.800		3 / 2.700		4 / 3.200		- / -		4 / 3.200		4 / 3.200		3 / 2.400		1 / 0.800		1 / 0.800		- / -		- / -		31 / 33.496						
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	14	-	-	-	1	-	-	-	-	3	1	3	-	-	3	1	-	-	-	1	-	2	-	1	-	-	-	-	1	-	-	31
Out	14	-	-	-	1	-	-	-	-	3	1	3	-	-	3	1	-	-	-	1	-	2	-	1	-	-	-	-	1	-	-	31
Footnotes:																																
⁽⁶⁾ DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform (CVN, LHD, LCC, LHA), network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others). DCGS-N Increment 1 Block 2 planned procurements in FY15 include (6) DCGS-N Increment 1 technical refreshes ((3)1-rack CVN afloat technical refreshes, (2) 1-rack LHD afloat technical refreshes, and (1) 1-rack LHD technical																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 3 / PRODUCT IMPROVEMENT Afloat
refreshes). These DCGS-N installations will replace the currently fielded legacy systems and leverage the Common Computing Environment (CCE) as applicable. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 4 / PRODUCT IMPROVEMENT Ashore

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)	25.466	1.664	3.150	-	-	-	10.786	9.934	1.965	-	59.100	112.065
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	25.466	1.664	3.150	-	-	-	10.786	9.934	1.965	-	59.100	112.065
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	25.466	1.664	3.150	-	-	-	10.786	9.934	1.965	-	59.100	112.065
(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 Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Tech Refresh/Upgrade integration procures Commerical Off-The-Shelf/Non-Developmental Item (COTS/NDI) equipment to replace obsolete and unsupportable equipment for the DCGS-N and Joint Services Imagery Processing System - Navy (JSIPS-N) programs for the processing and exploitation of tactical and Imagery Intelligence (IMINT) and Signal Intelligence (SIGINT); Precision target geopositioning, mensuration, and imagery dissemination capabilities; Selected national IMINT requirements and processing capabilities from the National Geospatial-Intelligence Agency (NGA); Sharing of Intelligence, Surveillance, Reconnaissance and Targeting (ISRT) and Command and Control (C2) information via DCGS Integrated Backbone (DIB) and Net-Centric Enterprise Services (NCES) standards. Specifically, this funds tech refresh/upgrades/Engineering Change Proposals (ECPs) to its subsystems to provide access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers access and ingest data from space borne, airborne, subsurface, and surface ISR collection assets, intelligence databases and intelligence producers.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)					Modification Number / Title: 4 / PRODUCT IMPROVEMENT Ashore				
Models of Systems Affected: Shore				Modification Type: Tech Refresh/Upgrades					Related RDT&E PEs: 0305208N				
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: PRODUCT IMPROVEMENT Ashore													
B Kits													
Recurring													
1.1.1) DCGS-N Tech Refresh/Upgrade - NonOrganic ⁽⁷⁾	1 / 0.235	1 / 0.906	1 / 1.889	- / -	- / -	- / -	4 / 6.372	3 / 6.229	1 / 1.000	- / -	- / 55.259	11 / 71.890	
1.1.2) JSIPS-N Tech Refresh/Upgrade - NonOrganic	12 / 20.832	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 20.832	
Subtotal: Recurring	- / 21.067	- / 0.906	- / 1.889	- / -	- / -	- / -	- / 6.372	- / 6.229	- / 1.000	- / -	- / 55.259	- / 92.722	
Subtotal: PRODUCT IMPROVEMENT Ashore	13 / 21.067	1 / 0.906	1 / 1.889	- / -	- / -	- / -	4 / 6.372	3 / 6.229	1 / 1.000	- / -	- / 55.259	23 / 92.722	
Subtotal: Procurement, All Modification Items	- / 21.067	- / 0.906	- / 1.889	- / -	- / -	- / -	- / 6.372	- / 6.229	- / 1.000	- / -	- / 55.259	- / 92.722	
Support (All Modification Items)													
2.1) Production Support	- / 0.015	- / 0.058	- / 0.161	- / -	- / -	- / -	- / 0.414	- / 0.405	- / 0.065	- / -	- / 3.841	- / 4.959	
Subtotal: Support	- / 0.015	- / 0.058	- / 0.161	- / -	- / -	- / -	- / 0.414	- / 0.405	- / 0.065	- / -	- / 3.841	- / 4.959	
Installation													
Modification Item 1 of 1: PRODUCT IMPROVEMENT Ashore	- / 4.384	- / 0.700	- / 1.100	- / -	- / -	- / -	- / 4.000	- / 3.300	- / 0.900	- / -	- / -	- / 14.384	
Subtotal: Installation	- / 4.384	- / 0.700	- / 1.100	- / -	- / -	- / -	- / 4.000	- / 3.300	- / 0.900	- / -	- / -	- / 14.384	
Total													
Total Cost (Procurement + Support + Installation)	25.466	1.664	3.150	-	-	-	10.786	9.934	1.965	-	59.100	112.065	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 4 / PRODUCT IMPROVEMENT Ashore											
Modification Item 1 of 1: PRODUCT IMPROVEMENT Ashore																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BAE															Manufacturer Location: >SAN DIEGO, CA																
Administrative Leadtime (<i>in Months</i>): 2															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																									
Delivery Dates						Jun 2014																									
Installation Information																															
Method of Implementation: Method : Installation Name: Product Improvement Ashore DCGS-N/JSIPS-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		13 / 4.384		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		13 / 4.384					
FY 2013		- / -		1 / 0.700		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.700					
FY 2014		- / -		- / -		1 / 1.100		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 1.100					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 4.000		- / -		- / -		- / -		- / -		4 / 4.000					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		3 / 3.300		- / -		- / -		- / -		3 / 3.300					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.900		- / -		- / -		1 / 0.900					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		13 / 4.384		1 / 0.700		1 / 1.100		- / -		- / -		- / -		- / -		4 / 4.000		3 / 3.300		1 / 0.900		- / -		- / -		23 / 14.384					
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	13	-	-	-	1	-	-	-	1	-	-	-	-	-	-	2	2	-	-	1	2	-	-	-	1	-	-	-	-	-	23
Out	13	-	-	-	1	-	-	-	1	-	-	-	-	-	-	2	2	-	-	1	2	-	-	-	1	-	-	-	-	-	23
Footnotes: ⁽⁷⁾ DCGS-N Inc 1 Block 1 and Block 2 unit costs represent an average cost based on 3 Rack, 2 Rack, and 1 Rack configurations dependent on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on actuals costs, locality and availability of platforms, and specific integration tasking associated with external dependent systems (e.g. Global Command and Control System - Maritime (GCCS-M), Radiant Mercury (RM), and others).																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 5 / DCGS-N INCREMENT 2 Afloat

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	-	-	-	-	-	-	3.908	4.500	7.910	-	16.318
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	3.908	4.500	7.910	-	16.318
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	3.908	4.500	7.910	-	16.318
(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:

DCGS-N Increment 2 addresses a critical shortfall in Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capability and capacity to support operational, tactical planning, and execution across the full range of joint military operations. Existing TCPED shortfalls will be exacerbated by planned Navy, Joint, and Allied fielding of new Intelligence, Surveillance and Reconnaissance (ISR) platforms. Currently fielded systems provide localized processing capabilities that will be overwhelmed in future years without a significant change in the way the Navy processes, exploits and disseminates intelligence data. DCGS-N Increment 2 will deliver all source fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; based on an enterprise solution to share this information across commands, services, and agencies to promote shared situational awareness.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)					Modification Number / Title: 5 / DCGS-N INCREMENT 2 Afloat			
Models of Systems Affected: Ship				Modification Type: New Model					Related RDT&E PEs: 0305208N			
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> DCGS-N INCREMENT 2 Afloat												
B Kits												
Recurring												
1.1.1) Procurement - NonOrganic ⁽⁸⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.500	- / -	3 / 4.850	- / -	5 / 8.350
<i>Subtotal: Recurring</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / -	- / 4.850	- / -	- / 8.350
<i>Subtotal: DCGS-N INCREMENT 2 Afloat</i>	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.500	- / -	3 / 4.850	- / -	5 / 8.350
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / -	- / 4.850	- / -	- / 8.350
Support (All Modification Items)												
2.1) Production Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.228	- / -	- / 0.315	- / -	- / 0.543
2.2) DSA	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.180	- / 0.180	- / 0.585	- / -	- / 0.945
<i>Subtotal: Support</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.408	- / 0.180	- / 0.900	- / -	- / 1.488
Installation												
<i>Modification Item 1 of 1:</i> DCGS-N INCREMENT 2 Afloat	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.320	- / 2.160	- / -	- / 6.480
<i>Subtotal: Installation</i>	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.320	- / 2.160	- / -	- / 6.480
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	3.908	4.500	7.910	-	16.318

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 5 / DCGS-N INCREMENT 2 Afloat											
Modification Item 1 of 1: DCGS-N INCREMENT 2 Afloat																															
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: [none specified] : Installation Name: 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								
		<i>Qty (Each) / Total Cost (\$ M)</i>	<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total Cost (\$ M)</i>		<i>Qty (Each) / Total 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 / 4.320	-	/	-	-	/	-					
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	1 / 2.160	2 /	-						
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-						
Total		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	2 / 4.320	1 / 2.160	2 /	-	5 / 6.480							
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	5
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	2	5
Footnotes: ⁽⁸⁾ DCGS-N Inc 2 unit costs represent an average cost based on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on latest estimated costs. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)	Modification Number / Title: 6 / DCGS-N INCREMENT 2 Ashore

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	-	-	-	-	-	-	-	12.125	11.645	-	23.770
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	12.125	11.645	-	23.770
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	-	-	-	-	-	12.125	11.645	-	23.770
<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:

DCGS-N Increment 2 addresses a critical shortfall in Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capability and capacity to support operational, tactical planning, and execution across the full range of joint military operations. Existing TCPED shortfalls will be exacerbated by planned Navy, Joint, and Allied fielding of new Intelligence, Surveillance and Reconnaissance (ISR) platforms. Currently fielded systems provide localized processing capabilities that will be overwhelmed in future years without a significant change in the way the Navy processes, exploits and disseminates intelligence data. DCGS-N Increment 2 will deliver all source fusion and analytical capabilities; provide Maritime Domain Awareness (MDA) capabilities; integrate Tasking, Collection, Processing, Exploitation, and Dissemination (TCPED) capabilities to improve the use and analysis of sensor and platform data; based on an enterprise solution to share this information across commands, services, and agencies to promote shared situational awareness.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)					Modification Number / Title: 6 / DCGS-N INCREMENT 2 Ashore				
Models of Systems Affected: Shore				Modification Type: New Model					Related RDT&E PEs: 0305208N				
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: DCGS-N INCREMENT 2 Ashore													
B Kits													
Recurring													
1.1.1) Procurements - NonOrganic ⁽⁹⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.300	3 / 4.850	- / -	6 / 10.150	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.300	- / 4.850	- / -	- / 10.150	
Subtotal: DCGS-N INCREMENT 2 Ashore	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.300	3 / 4.850	- / -	6 / 10.150	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.300	- / 4.850	- / -	- / 10.150	
Support (All Modification Items)													
2.1) Production Support	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.345	- / 0.315	- / -	- / 0.660	
Subtotal: Support	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.345	- / 0.315	- / -	- / 0.660	
Installation													
Modification Item 1 of 1: DCGS-N INCREMENT 2 Ashore	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.480	- / 6.480	- / -	- / 12.960	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.480	- / 6.480	- / -	- / 12.960	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	12.125	11.645	-	23.770	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2914 / Distributed Common Ground System-Navy (DCGS-N)										Modification Number / Title: 6 / DCGS-N INCREMENT 2 Ashore															
Modification Item 1 of 1: DCGS-N INCREMENT 2 Ashore																																			
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: [none specified] : Installation Name: Procurements																																			
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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.480	- / -	- / -	3 / 6.480																						
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.480	- / -	3 / 6.480																						
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																						
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.480	3 / 6.480	- / -	6 / 12.960																						
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	-	6				
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	1	-	-	1	2	-	6				
Footnotes:																																			
⁽⁹⁾ DCGS-N Inc 2 unit costs represent an average cost based on specific platform, network, infrastructure versions, and alignment with the Navy's Network Infrastructure (Common Computing Environment (CCE)). In addition, unit costs continue to be updated based on latest estimated costs. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.																																			

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment							P-1 Line Item Number / Title: 2915 / CANES					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0303138N				
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>)	84.918	297.751	325.340	357.589	-	357.589	376.500	326.298	409.102	406.767	4,195.368	6,779.633
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	84.918	297.751	325.340	357.589	-	357.589	376.500	326.298	409.102	406.767	4,195.368	6,779.633
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	84.918	297.751	325.340	357.589	-	357.589	376.500	326.298	409.102	406.767	4,195.368	6,779.633
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	3.388	7.778	7.393	-	7.393	5.203	8.473	4.758	4.182	Continuing	Continuing
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: Consolidated Afloat Networks & Enterprise Services (CANES) is the Navy's only Program of Record to replace existing afloat networks and provide the necessary infrastructure for applications, systems, and services to dominate the cyber warfare domain. CANES is the technical and infrastructure consolidation of existing, separately managed afloat networks including Integrated Shipboard Network Systems (ISNS), Combined Enterprise Regional Information Exchange System - Maritime, Sensitive Compartmented Information (SCI) Networks, and Submarine Local Area Network. These legacy afloat network designs are currently End of Life and CANES will replace these unaffordable and obsolete networks. The fundamental goal of CANES is to bring Infrastructure and Platform as a Service (IaaS / PaaS), within which current and future iterations of Tasking, Collection, Processing, Exploitation and Dissemination computing and storage capabilities will reside. CANES will provide complete infrastructure, inclusive of hardware, software, processing, storage, and end user devices for Unclassified, Coalition, Secret and SCI for all basic network services (email, web, chat, collaboration) to a wide variety of Navy surface combatants, submarines, Maritime Operations Centers, Regional Network Operations and Security Centers (RNOSCs) and Aircraft. In addition, ~36 hosted applications and systems inclusive of Command and Control, Intelligence, Surveillance and Reconnaissance, Information Operations, Logistics and Business domains require the CANES infrastructure to operate in the tactical environment. Integrating these applications and systems is accomplished through Application Integration, the engineering process used to evaluate and validate compatibility between the CANES IaaS / PaaS and the Navy-validated applications, systems and services that will utilize the CANES infrastructure and services. Specific programs, such as Distributed Common Ground System - Navy, Global Command and Control System - Maritime, Naval Tactical Command Support System, and Undersea Warfare Decision Support System, are dependent on the CANES Common Computing Environment to field, host, and sustain their capability because they no longer provide their own hardware. To reduce risks associated with End of Life Legacy Systems awaiting CANES replacement in the out-years, LI 2915 will support required emergent modernization to replace end of life components, protect against new Information Assurance vulnerabilities, and to remain compliant with DoD mandates. CANES requires that Automated Digital Network System (ADNS) field prior to or concurrently with CANES due to architectural reliance between the two programs. CANES will develop updates on a rolling four year hardware baseline and a two year software baseline. Fielding of rolling baselines will occur every eight years for hardware and four years for software. CANES is based on the overarching concept of reducing the number of afloat networks and providing enhanced efficiency through a single engineering focus on integrated technical solutions. This will allow for streamlined acquisition, contracting, and test events, and significant lifecycle efficiencies through consolidation of multiple current configuration management baselines, logistics, and training efforts into a unified support structure. Automated Digital Network System (ADNS): ADNS provides routing, switching, baseband, configuration and monitoring capabilities for interconnecting naval and coalition enclaves worldwide. ADNS utilizes Commercial Off-the-Shelf/ Government Off-the-Shelf (COTS/GOTS) equipment and network protocols as specified by the joint technical architecture. ADNS Increment I provides initial limited, ship to shore IP connectivity, separation of enclaves, reuse of unused enclave bandwidth, and ship to tactical shore IP connectivity. ADNS Increment II provides additional capabilities of load balancing, Radio Frequency												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2915 / CANES									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: 0303138N									
(RF) restoral, initial Quality of Service (QoS) to include application prioritization, initial traffic management, and enhancements designed to maximize use of "effective" available bandwidth for surface, shore, and airborne platforms. ADNS Increment III will converge all Navy tactical voice, video, and data requirements into a converged IP data stream. This includes SCIP-IWF for secure telephony over IP, as well as Video Information Exchange System for secure video over IP. In addition, the Increment III architecture will incorporate an IPv4/IPv6 dual stack and a cipher text security architecture to align to the Global Information Grid (GIG) in order to mesh Navy tactical surface, subsurface, and airborne platforms into a single IP environment with gateway functions to joint and coalition networks. ADNS Increment III will serve as the Navy tactical interface (Gateway) for IP networking with transformational satellite, Joint Tactical Radio System, High Assurance Internet Protocol Encrypter, and Advanced Extremely High Frequency.																			
Cost to Complete (CTC) values are exclusive to CANES. ADNS CTC is continuing.																			

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 5F010/5F777 CANES - Afloat Non-MIP	P-3a		-	-	80.225	-	-	244.200	-	-	268.543	-	-	300.963	-	-	-	-	-	300.963
P-3a - 2 / 5F010/5F776 CANES - Ashore Non-MIP	P-3a		-	-	4.691	-	-	2.215	-	-	4.699	-	-	-	-	-	-	-	-	-
P-3a - 3 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II	P-3a		-	-	0.000	-	-	0.400	-	-	0.400	-	-	0.400	-	-	-	-	-	0.400
P-3a - 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	P-3a		-	-	0.001	-	-	46.074	-	-	45.598	-	-	46.726	-	-	-	-	-	46.726
P-3a - 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	P-3a		-	-	0.001	-	-	4.862	-	-	6.100	-	-	9.500	-	-	-	-	-	9.500
Total Gross/Weapon System Cost			-	-	84.918	-	-	297.751	-	-	325.340	-	-	357.589	-	-	-	-	-	357.589

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 5F010/5F777 CANES - Afloat Non-MIP	P-3a		-	-	312.042	-	-	267.804	-	-	308.090	-	-	329.498	-	-	4,079.994	-	-	6,191.359
P-3a - 2 / 5F010/5F776 CANES - Ashore Non-MIP	P-3a		-	-	17.705	-	-	23.796	-	-	49.393	-	-	23.485	-	-	115.374	-	-	241.358
P-3a - 3 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II	P-3a		-	-	0.400	-	-	0.400	-	-	0.400	-	-	0.400	-	-	-	-	-	2.800

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2915 / CANES										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:							Other Related Program Elements: 0303138N							
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 - 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	P-3a		-	-	41.253	-	-	31.798	-	-	48.719	-	-	50.884	-	-	-	-	-	311.053
P-3a - 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	P-3a		-	-	5.100	-	-	2.500	-	-	2.500	-	-	2.500	-	-	-	-	-	33.063
Total Gross/Weapon System Cost			-	-	376.500	-	-	326.298	-	-	409.102	-	-	406.767	-	-	4,195.368	-	-	6,779.633
*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:
FY 2015 - CANES funds are for procurement of (33) production units, (2) First Articles, integration, and associated costs for pre-installation design. In addition, the FY15 CANES investment will fund installations for (25) afloat units.

The related RD TEN PE is CANES Integration PE 0303138N. It is important to note, procurement quantities across the FYDP are the same CANES end item product referenced in CANES LI 2925. Installation quantities represent sites receiving CANES as also referenced in LI 2925. The associated dollars in this exhibit represent the non-MIP portions of the CANES enclave.

FY 2015 - ADNS funds are for the procurement of (36) Afloat Units, (4) Ashore Inc I/Inc II and (6) Ashore Inc III, with integration, and associated costs for pre-installation design. In addition, the FY15 ADNS investment will fund installation of (34) Afloat units, (4) Ashore Inc I/Inc II units, and (2) Ashore Inc III units.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP

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>)	80.225	244.200	268.543	300.963	-	300.963	312.042	267.804	308.090	329.498	4,079.994	6,191.359
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	80.225	244.200	268.543	300.963	-	300.963	312.042	267.804	308.090	329.498	4,079.994	6,191.359
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	80.225	244.200	268.543	300.963	-	300.963	312.042	267.804	308.090	329.498	4,079.994	6,191.359
(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:

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Common Computing Environment (CCE) and the eventual addition of Afloat Core Services (ACS) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services. In addition, migration of Non-Classified Enclave (NCE) capabilities into the CANES baseline.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP					
Models of Systems Affected: Consolidated Afloat Networks & Enterpries Services (CANES) Non-MIP				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303138N					
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: 5F010/5F777 CANES - Afloat Non-MIP													
B Kits													
Recurring													
1.1.1) CANES - Afloat 5F010/5F777 (Non-MIP) - NonOrganic ⁽¹⁾	8 / 41.927	22 / 123.839	20 / 108.623	33 / 146.334	- / -	33 / 146.334	15 / 99.513	16 / 86.678	20 / 104.007	14 / 77.487	24 / 142.616	172 / 931.024	
1.1.2) CANES - Afloat Technical Insertion (Non-MIP) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	8 / 38.782	21 / 65.614	18 / 60.138	34 / 115.069	362 / 2,496.012	443 / 2,775.615	
1.1.3) CANES - Service Life Extension Program (SLEP) (Non-MIP) - NonOrganic ⁽²⁾	- / -	7 / 3.834	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 3.834	
Subtotal: Recurring	- / 41.927	- / 127.673	- / 108.623	- / 146.334	- / -	- / 146.334	- / 138.295	- / 152.292	- / 164.145	- / 192.556	- / 2,638.628	- / 3,710.473	
Non-Recurring													
1.2.1) CANES - Afloat First Articles (Non-MIP) - Organic ⁽³⁾	5 / 28.500	2 / 12.663	3 / 34.152	2 / 11.719	- / -	2 / 11.719	1 / 11.713	- / -	- / -	- / -	- / -	13 / 98.747	
1.2.2) CANES - Non-Recurring Engineering (Non-MIP) - Organic ⁽⁴⁾	- / 3.483	- / 23.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 26.907	
Subtotal: Non-Recurring	- / 31.983	- / 36.087	- / 34.152	- / 11.719	- / -	- / 11.719	- / 11.713	- / -	- / -	- / -	- / -	- / 125.654	
Subtotal: 5F010/5F777 CANES - Afloat Non-MIP	13 / 73.910	31 / 163.760	23 / 142.775	35 / 158.053	- / -	35 / 158.053	24 / 150.008	37 / 152.292	38 / 164.145	48 / 192.556	386 / 2,638.628	635 / 3,836.127	
Subtotal: Procurement, All Modification Items	- / 73.910	- / 163.760	- / 142.775	- / 158.053	- / -	- / 158.053	- / 150.008	- / 152.292	- / 164.145	- / 192.556	- / 2,638.628	- / 3,836.127	
Support (All Modification Items)													
2.1) CANES - Afloat Production Support (Non-MIP)	- / 1.917	- / 6.518	- / 5.717	- / 7.702	- / -	- / 7.702	- / 7.279	- / 8.015	- / 8.639	- / 10.135	- / 138.875	- / 194.797	
2.2) CANES - Afloat Design Service Agent (Non-MIP)	- / 2.986	- / 10.137	- / 11.248	- / 10.821	- / -	- / 10.821	- / 11.180	- / 7.614	- / 7.881	- / 9.600	- / 8.993	- / 80.460	
Subtotal: Support	- / 4.903	- / 16.655	- / 16.965	- / 18.523	- / -	- / 18.523	- / 18.459	- / 15.629	- / 16.520	- / 19.735	- / 147.868	- / 275.257	
Installation													
Modification Item 1 of 1: 5F010/5F777 CANES - Afloat Non-MIP	- / 1.412	- / 63.785	- / 108.803	- / 124.387	- / -	- / 124.387	- / 143.575	- / 99.883	- / 127.425	- / 117.207	- / 1,293.498	- / 2,079.975	
Subtotal: Installation	- / 1.412	- / 63.785	- / 108.803	- / 124.387	- / -	- / 124.387	- / 143.575	- / 99.883	- / 127.425	- / 117.207	- / 1,293.498	- / 2,079.975	
Total													
Total Cost (Procurement + Support + Installation)	80.225	244.200	268.543	300.963	-	300.963	312.042	267.804	308.090	329.498	4,079.994	6,191.359	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP				
Modification Item 1 of 1: 5F010/5F777 CANES - Afloat Non-MIP												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Northrop Grumman Systems Corp.							Manufacturer Location: >Herndon, VA					
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	Oct 2012											
Delivery Dates	Mar 2013											
Manufacturer Name: TBD ⁽⁵⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014										
Delivery Dates		Sep 2014										
Manufacturer Name: TBD ⁽⁶⁾							Manufacturer Location: >TBD.					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Nov 2014									
Delivery Dates			May 2015									
Installation Information												
Method of Implementation: [none specified] : Installation Name: CANES - Afloat 5F010/5F777 (Non-MIP)												
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 / 1.412	7 / 29.965	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 31.377
FY 2013	- / -	5 / 30.790	17 / 83.957	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 114.747
FY 2014	- / -	- / -	6 / 23.604	14 / 88.634	- / -	14 / 88.634	- / -	- / -	- / -	- / -	- / -	20 / 112.238
FY 2015	- / -	- / -	- / -	11 / 35.753	- / -	11 / 35.753	22 / 122.820	- / -	- / -	- / -	- / -	33 / 158.573
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 17.148	12 / 50.554	- / -	- / -	- / -	15 / 67.702
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 30.060	12 / 65.723	- / -	- / -	16 / 95.783
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 34.130	14 / 75.214	- / -	20 / 109.344
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.333	12 / 49.998	14 / 58.331
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 150.844	24 / 150.844

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP

Modification Item 1 of 1: 5F010/5F777 CANES - Afloat Non-MIP

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: CANES - Afloat 5F010/5F777 (Non-MIP)

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)
Total	1 / 1.412	12 / 60.755	23 / 107.561	25 / 124.387	- / -	25 / 124.387	25 / 139.968	16 / 80.614	18 / 99.853	16 / 83.547	36 / 200.842	172 / 898.939

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	6	2	7	5	6	4	3	8	8	6	9	8	6	2	6	1	5	4	5	6	4	4	5	2	6	39	172
Out	-	-	-	1	2	5	6	6	1	6	5	5	6	10	7	6	8	8	3	6	1	5	3	5	6	2	3	6	5	45	172

Method of Implementation: [none specified] : Installation Name: CANES - Afloat Technical Insertion (Non-MIP)

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 / 3.607	7 / 12.877	- / -	- / -	- / -	8 / 16.484
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 6.392	16 / 20.855	- / -	- / -	21 / 27.247
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 6.717	12 / 20.324	- / -	18 / 27.041
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 13.336	22 / 24.449	34 / 37.785
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	362 / 1,068.207	362 / 1,068.207
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.607	12 / 19.269	22 / 27.572	24 / 33.660	384 / 1,092.656	443 / 1,176.764

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	-	7	-	5	6	5	5	6	6	6	6	390	443
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	-	5	6	5	5	6	6	6	396	443

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP

Modification Item 1 of 1: 5F010/5F777 CANES - Afloat Non-MIP

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: CANES - Service Life Extension Program (SLEP) (Non-MIP)

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	- / -	5 / 3.030	2 / 1.242	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.272
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	5 / 3.030	2 / 1.242	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 4.272

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	3	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7
Out	-	-	-	-	-	4	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7

Method of Implementation (Organic): Not Installed - CANES - Afloat First Articles (Non-MIP)

Installation Quantity: 13

Footnotes:

⁽¹⁾ CANES Afloat production units require an additional 4 months after delivery for operational integration, assembly and testing prior to installation start. Installations do not begin until 10 months after contract award (6 months production lead time + 4 months integration). Total lead time, including admin lead time, is 11 months. - First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability. -Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platform) has fewer users and runs fewer applications than a LHD/CVN (force level platform). Force level platforms are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. -Installation cost fluctuations are attributed to and dependent on class, level of the platform, variant of predecessor system the hull currently has installed (ISNS Alpha/Charlie/Delta/Legacy), and geographic location of the installation. As an example of variant differences, if a CVN has an ISNS Delta variant installed, a CANES installation is estimated to be \$11.2M. If that same CVN had a legacy ATM LAN the CANES installation is estimated to be \$16.4M. The legacy LAN installation has the additional cost of rewiring all the computer drops, while the newer variants of ISNS allow for reuse of drops during the CANES installation.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 1 / 5F010/5F777 CANES - Afloat Non-MIP
(2) Service Life Extension Program (SLEP) provides updated equipment to platforms with legacy networks that must remain in service longer than planned due to CANES installation deferrals. SLEP procurements and installations vary greatly in scope depending on the equipment required and have wide variations in unit cost. SLEP is not a planned item, but rather a response to changes in the CANES fielding plan. SLEP will only be reported in the budget in Current or Prior years as needed. (3) - CANES first articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. First articles are separate from production units and must be bought prior to the procurement of the corresponding production units. Procurement Lead Time (PLT) is 8 months for First Articles (DDG,CVN, submarines, etc). All following production articles of the same variant require a PLT of 6 months. CANES First Articles are not installed. Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platforms) has fewer users and runs fewer applications than a LHD/CVN (force level platforms). Force level platforms are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. The FY13 procurement is two Force Level units; FY14 is two Force and one Unit Level units; FY15 and FY 16 are Unit Level procurements. (4) The NRE cost element reflects production engineering costs related to delivery of the first production units. These costs include CVN and DDG design hardware baseline updates required as a result of deficiencies found during the manufacturing process and updates to related production documentation, both of which are required prior to final acceptance by the government. (5) FY 2014 Contractor and location will be defined once Full Deployment contract is awarded. (6) FY 2015 Contractor and location will be defined once Full Deployment contract is awarded.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 2 / 5F010/5F776 CANES - Ashore Non-MIP

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>)	4.691	2.215	4.699	-	-	-	17.705	23.796	49.393	23.485	115.374	241.358
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.691	2.215	4.699	-	-	-	17.705	23.796	49.393	23.485	115.374	241.358
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.691	2.215	4.699	-	-	-	17.705	23.796	49.393	23.485	115.374	241.358
(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:

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Common Computing Environment (CCE) and the eventual addition of Afloat Core Services (ACS) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services for Maritime Operation Command (MOC), Regional Network Operations and Security Centers (RNOSC) and Technical Training Equipment (TTE).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 2 / 5F010/5F776 CANES - Ashore Non-MIP					
Models of Systems Affected: Consolidated Afloat Networks & Enterprise Services (CANES) Non-MIP				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303138N					
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: 5F010/5F776 CANES - Ashore Non-MIP													
B Kits													
Recurring													
1.1.1) CANES - Ashore 5F010/5F776 (Non-MIP) - NonOrganic ⁽⁷⁾	- / 1.177	1 / 1.135	2 / 2.460	- / -	- / -	- / -	1 / 1.620	1 / 10.059	2 / 21.673	1 / 11.035	2 / 22.639	10 / 71.798	
1.1.2) CANES - Ashore - Technical Insertion (Non-MIP) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.140	2 / 2.455	- / -	27 / 32.036	30 / 35.631	
Subtotal: Recurring	- / 1.177	- / 1.135	- / 2.460	- / -	- / -	- / -	- / 1.620	- / 11.199	- / 24.128	- / 11.035	- / 54.675	- / 107.429	
Non-Recurring													
1.2.1) CANES - Ashore First Articles (Non-MIP) - Organic ⁽⁸⁾	1 / 3.514	- / -	- / -	- / -	- / -	- / -	1 / 14.186	- / -	- / -	- / -	- / -	2 / 17.700	
Subtotal: Non-Recurring	- / 3.514	- / -	- / -	- / -	- / -	- / -	- / 14.186	- / -	- / -	- / -	- / -	- / 17.700	
Subtotal: 5F010/5F776 CANES - Ashore Non-MIP	1 / 4.691	1 / 1.135	2 / 2.460	- / -	- / -	- / -	2 / 15.806	2 / 11.199	4 / 24.128	1 / 11.035	29 / 54.675	42 / 125.129	
Subtotal: Procurement, All Modification Items	- / 4.691	- / 1.135	- / 2.460	- / -	- / -	- / -	- / 15.806	- / 11.199	- / 24.128	- / 11.035	- / 54.675	- / 125.129	
Support (All Modification Items)													
2.1) CANES - Ashore Production Support (Non-MIP)	- / -	- / 0.060	- / 0.129	- / -	- / -	- / -	- / 0.085	- / 0.589	- / 1.270	- / 0.581	- / 2.878	- / 5.592	
2.2) CANES - Ashore Design Services Agent (Non-MIP)	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.603	- / 1.324	- / 0.999	- / 0.814	- / 1.033	- / 4.773	
Subtotal: Support	- / 0.000	- / 0.060	- / 0.129	- / -	- / -	- / -	- / 0.688	- / 1.913	- / 2.269	- / 1.395	- / 3.911	- / 10.365	
Installation													
Modification Item 1 of 1: 5F010/5F776 CANES - Ashore Non-MIP	- / 0.000	- / 1.020	- / 2.110	- / -	- / -	- / -	- / 1.211	- / 10.684	- / 22.996	- / 11.055	- / 56.788	- / 105.864	
Subtotal: Installation	- / 0.000	- / 1.020	- / 2.110	- / -	- / -	- / -	- / 1.211	- / 10.684	- / 22.996	- / 11.055	- / 56.788	- / 105.864	
Total													
Total Cost (Procurement + Support + Installation)	4.691	2.215	4.699	-	-	-	17.705	23.796	49.393	23.485	115.374	241.358	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 2 / 5F010/5F776 CANES - Ashore Non-MIP				
Modification Item 1 of 1: 5F010/5F776 CANES - Ashore Non-MIP												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Northrop Grumman Systems Corp.							Manufacturer Location: >Herndon, VA					
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	Dec 2012											
Delivery Dates	Apr 2013											
Manufacturer Name: TBD ⁽⁹⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014										
Delivery Dates		Sep 2014										
Manufacturer Name: TBD ⁽¹⁰⁾							Manufacturer Location: >TBD.					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Nov 2014									
Delivery Dates			Apr 2015									
Installation Information												
Method of Implementation: [none specified] : Installation Name: CANES - Ashore 5F010/5F776 (Non-MIP)												
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 / 1.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.020
FY 2014	- / -	- / -	2 / 2.110	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.110
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.211	- / -	- / -	- / -	- / -	1 / 1.211
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 10.278	- / -	- / -	- / -	1 / 10.278
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 21.712	- / -	- / -	2 / 21.712
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 11.055	- / -	1 / 11.055
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 22.450	2 / 22.450

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 2 / 5F010/5F776 CANES - Ashore Non-MIP

Modification Item 1 of 1: 5F010/5F776 CANES - Ashore Non-MIP

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: CANES - Ashore 5F010/5F776 (Non-MIP)

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)
Total	- / -	1 / 1.020	2 / 2.110	- / -	- / -	- / -	1 / 1.211	1 / 10.278	2 / 21.712	1 / 11.055	2 / 22.450	10 / 69.836

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	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	-	1	2	10
Out	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	-	3	10

Method of Implementation: [none specified] : Installation Name: CANES - Ashore - Technical Insertion (Non-MIP)

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.406	- / -	- / -	- / -	1 / 0.406
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.284	- / -	- / -	2 / 1.284
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 34.338	27 / 34.338
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.406	2 / 1.284	- / -	27 / 34.338	30 / 36.028

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	-	-	-	-	-	-	-	27	30
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	2	-	-	-	27	30

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 2 / 5F010/5F776 CANES - Ashore Non-MIP
Modification Item 1 of 1: 5F010/5F776 CANES - Ashore Non-MIP		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Not Installed - CANES - Ashore First Articles (Non-MIP)		Installation Quantity: 2
Footnotes: ⁽⁷⁾ Ashore procurement quantities are detailed as follows: Technical Training Equipment (TTE) - FY13 (1), FY14 (2), FY15 (0), FY16 (1), FY17 (0), FY18 (0), FY19 (0); Maritime Operation Command (MOC) - FY13 (0), FY14 (0), FY15 (0), FY16 (0), FY17 (1), FY18 (2), FY19(1). -A MOC is a fully operational system configuration. A TTE configuration is a subset of a MOC configuration. This scale difference accounts for the fluctuation in per unit costs across fiscal years commensurate with the procurement quantities outlined in above note. -TTE has no associated DSA requirements. ⁽⁸⁾ Production Lead Time is 8 months for First Articles. First Articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. All following articles of the same variant require a Production Lead Time of 5 months for Ashore units and 6 months for afloat units. Total Ashore lead time, including 1 month Admin lead time, is 6 months. Ashore production lead times require one month less than Afloat production lead times due to the long lead time afloat production quality racks and minimized shock and vibration requirements for shore facilities. CANES First Articles are not installed. ⁽⁹⁾ FY 2014 Contractor and location will be defined once Full Deployment contract is awarded. ⁽¹⁰⁾ FY 2015 Contractor and location will be defined once Full Deployment contract is awarded.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 3 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & 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	0.400	0.400	0.400	-	0.400	0.400	0.400	0.400	0.400	-	2.800
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	0.400	0.400	0.400	-	0.400	0.400	0.400	0.400	0.400	-	2.800
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	0.400	0.400	0.400	-	0.400	0.400	0.400	0.400	0.400	-	2.800
<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:

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES						Modification Number / Title: 3 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II			
Models of Systems Affected: Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increments				Modification Type: [No Modification Type Specified]						Related RDT&E PEs: 0303138N			
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: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II													
B Kits													
Recurring													
1.1.1) ADNS INC II - NonOrganic ⁽¹¹⁾	- / -	4 / 0.200	4 / 0.200	4 / 0.200	- / -	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	- / -	28 / 1.400	
<i>Subtotal: Recurring</i>	- / 0.000	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 1.400	
<i>Subtotal: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II</i>	- / -	4 / 0.200	4 / 0.200	4 / 0.200	- / -	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	- / -	28 / 1.400	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.000	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 1.400	
Installation													
Modification Item 1 of 1: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II	- / 0.000	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 1.400	
<i>Subtotal: Installation</i>	- / 0.000	- / 0.200	- / 0.200	- / 0.200	- / -	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / 0.200	- / -	- / 1.400	
Total													
Total Cost (Procurement + Support + Installation)	0.000	0.400	0.400	0.400	-	0.400	0.400	0.400	0.400	0.400	-	2.800	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 3 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II

Modification Item 1 of 1: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC I & II

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SAIC Manufacturer Location: >San Diego, CA

Administrative Leadtime (in Months): 1 Production Leadtime (in Months): 4

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Nov 2012	Nov 2013	Nov 2014				
Delivery Dates	Mar 2013	Mar 2014	Mar 2015				

Installation Information

Method of Implementation: [none specified] : Installation Name: ADNS INC 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	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200
FY 2014	- / -	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200
FY 2015	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200	- / -	- / -	- / -	- / -	- / -	4 / 0.200
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	- / -	- / -	- / -	- / -	4 / 0.200
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	- / -	- / -	- / -	4 / 0.200
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	- / -	- / -	4 / 0.200
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.200	- / -	4 / 0.200
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 0.200	4 / 0.200	4 / 0.200	- / -	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	4 / 0.200	- / -	28 / 1.400

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	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	2	1	1	-	28
Out	-	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	-	3	1	-	28

Footnotes:
⁽¹¹⁾ -Legacy increments will remain in the fleet throughout the FYDP until CANES and ADNS III are installed. Tech refresh is required to field hardware to address End of Life issues.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III			

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>)	0.001	46.074	45.598	46.726	-	46.726	41.253	31.798	48.719	50.884	-	311.053
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.001	46.074	45.598	46.726	-	46.726	41.253	31.798	48.719	50.884	-	311.053
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.001	46.074	45.598	46.726	-	46.726	41.253	31.798	48.719	50.884	-	311.053
<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:

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS provides the only Quality and Class of Service (QoS/CoS) routing for Multi-Service Voice, Video, and Data domains across available Radio Frequency (RF) paths.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III					
Models of Systems Affected: Automated Digital Network System (ADNS) Afloat Increment III.				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303138N					
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: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III													
B Kits													
Recurring													
1.1.1) ADNS INC III - NonOrganic ⁽¹²⁾	26 / 0.001	19 / 31.760	27 / 33.370	36 / 29.160	- / -	36 / 29.160	19 / 20.633	19 / 18.735	25 / 27.748	27 / 26.210	- / -	198 / 187.617	
1.1.2) ADNS Tech Insertions - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.820	5 / 3.820	8 / 6.320	6 / 5.050	- / -	24 / 19.010	
Subtotal: Recurring	- / 0.001	- / 31.760	- / 33.370	- / 29.160	- / -	- / 29.160	- / 24.453	- / 22.555	- / 34.068	- / 31.260	- / -	- / 206.627	
Subtotal: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	26 / 0.001	19 / 31.760	27 / 33.370	36 / 29.160	- / -	36 / 29.160	24 / 24.453	24 / 22.555	33 / 34.068	33 / 31.260	- / -	222 / 206.627	
Subtotal: Procurement, All Modification Items	- / 0.001	- / 31.760	- / 33.370	- / 29.160	- / -	- / 29.160	- / 24.453	- / 22.555	- / 34.068	- / 31.260	- / -	- / 206.627	
Support (All Modification Items)													
2.1) ADNS - PRODUCTION SUPPORT	- / -	- / 1.862	- / 1.818	- / 1.687	- / -	- / 1.687	- / 1.350	- / 1.200	- / 2.037	- / 1.850	- / -	- / 11.804	
2.2) ADNS - DSA	- / -	- / 2.402	- / 2.490	- / 3.217	- / -	- / 3.217	- / 2.197	- / 1.285	- / 4.205	- / 2.795	- / -	- / 18.591	
Subtotal: Support	- / 0.000	- / 4.264	- / 4.308	- / 4.904	- / -	- / 4.904	- / 3.547	- / 2.485	- / 6.242	- / 4.645	- / -	- / 30.395	
Installation													
Modification Item 1 of 1: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III	- / 0.000	- / 10.050	- / 7.920	- / 12.662	- / -	- / 12.662	- / 13.253	- / 6.758	- / 8.409	- / 14.979	- / -	- / 74.031	
Subtotal: Installation	- / 0.000	- / 10.050	- / 7.920	- / 12.662	- / -	- / 12.662	- / 13.253	- / 6.758	- / 8.409	- / 14.979	- / -	- / 74.031	
Total													
Total Cost (Procurement + Support + Installation)	0.001	46.074	45.598	46.726	-	46.726	41.253	31.798	48.719	50.884	-	311.053	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2915 / CANES										Modification Number / Title: 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III											
Modification Item 1 of 1: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SERCO, INC.														Manufacturer Location: >San Diego, CA																	
Administrative Leadtime (in Months): 1														Production Leadtime (in Months): 7																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Nov 2012				Nov 2013				Nov 2014																					
Delivery Dates		Jun 2013				Jun 2014				Jun 2015																					
Installation Information																															
Method of Implementation: [none specified] : Installation Name: ADNS INC III																															
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		-	/	-	26	/	10.050	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	26	/	10.050			
FY 2013		-	/	-	-	/	-	19	/	7.310	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	19	/	7.310			
FY 2014		-	/	-	-	/	-	2	/	0.610	25	/	9.287	-	/	-	25	/	9.287	-	/	-	-	/	-	-	/	9.897			
FY 2015		-	/	-	-	/	-	-	/	-	9	/	3.375	-	/	-	9	/	3.375	27	/	11.068	-	/	-	-	/	14.443			
FY 2016		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	5	/	2.085	14	/	5.256	-	/	-	-	/	7.341			
FY 2017		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	4	/	1.402	15	/	5.269	-	/	6.671			
FY 2018		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	6	/	2.980	19	/	10.265			
FY 2019		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	20	/	7.574			
To Complete		-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-	-	/	-			
Total		-	/	-	26	/	10.050	21	/	7.920	34	/	12.662	-	/	-	34	/	12.662	32	/	13.153	18	/	6.658	21	/	73.551			
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	6	12	3	11	3	5	4	10	7	6	11	15	6	6	5	8	2	4	4	9	6	-	6	16	1	2	27	198
Out	-	-	3	-	12	6	10	6	2	6	9	6	6	12	13	7	8	7	7	2	3	6	8	2	5	6	15	1	3	27	198

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 4 / 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III

Modification Item 1 of 1: 5F069/5F777 Automated Digital Network System (ADNS) - Afloat - INC III

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: ADNS Tech 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.100	- / -	- / -	- / -	- / -	5 / 0.100
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.100	- / -	- / -	- / -	5 / 0.100
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.160	- / -	- / -	8 / 0.160
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.120	- / -	6 / 0.120
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.100	5 / 0.100	8 / 0.160	6 / 0.120	- / -	24 / 0.480

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	5	-	-	-	8	-	-	-	6	-	-	-	24
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	5	-	-	-	8	-	-	-	6	-	-	24

Footnotes:

(12) -Average unit cost fluctuations for procurement and installation are due to varying system configurations required for surface and submarine platforms. FY15 procurement unit cost reflects a large number of backfit procurements that have a lower procurement unit cost than full system procurements. ADNS INC III Afloat range procurement: \$.5M - \$1.5M; INC III backfit procurement: \$.15M - \$.25M; installation \$.4M - \$1.0M. -INC III units require an additional 4 months after delivery for required integration, assembly and testing prior to installation start. Installs do not begin until 11 months after contract award (7 months production lead time + 4 months integration). -First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability. -Qty 26 prior year units were procured under LI 3050 and installed in FY13 under LI 2915. -FY13-FY19 procurement and install quantities support alignment with CANES fielding. -Beginning in FY16, Technology Insertions (TI) will be fielded to include hardware and software baseline updates required to maximize C4ISR capability and interface functionality between ADNS and applicable Satellite Communications (SATCOM) systems such as Battle Force Tactical Network (BFTN), Global Broadcast System (GBS) and Navy Multi-Band Terminal (NMT).

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III

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>	0.001	4.862	6.100	9.500	-	9.500	5.100	2.500	2.500	2.500	-	33.063
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.001	4.862	6.100	9.500	-	9.500	5.100	2.500	2.500	2.500	-	33.063
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.001	4.862	6.100	9.500	-	9.500	5.100	2.500	2.500	2.500	-	33.063
<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:

ADNS is the gateway to the tactical Wide Area Network (WAN) afloat for Internet Protocol (IP) network operations, supporting information dissemination and external connectivity. ADNS allows services and applications to interconnect to the Defense Information Systems Network (DISN) ashore via multiple Radio Frequency (RF) resources and pier connectivity.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2915 / CANES					Modification Number / Title: 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III			
Models of Systems Affected: Automated Digital Network System (ADNS) Ashore / Network Operations Center (NOC). Ashore Increment I					Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0303138N			
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> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III													
B Kits													
Recurring													
1.1.1) ADNS INC III - NonOrganic ⁽¹³⁾	1 / 0.001	4 / 3.400	2 / 5.000	6 / 6.600	- / -	6 / 6.600	6 / 1.800	6 / 1.800	6 / 1.800	6 / 1.800	- / -	37 / 22.201	
<i>Subtotal: Recurring</i>	- / 0.001	- / 3.400	- / 5.000	- / 6.600	- / -	- / 6.600	- / 1.800	- / 1.800	- / 1.800	- / 1.800	- / -	- / 22.201	
<i>Subtotal: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III</i>	1 / 0.001	4 / 3.400	2 / 5.000	6 / 6.600	- / -	6 / 6.600	6 / 1.800	6 / 1.800	6 / 1.800	6 / 1.800	- / -	37 / 22.201	
<i>Subtotal: Procurement, All Modification Items</i>	- / 0.001	- / 3.400	- / 5.000	- / 6.600	- / -	- / 6.600	- / 1.800	- / 1.800	- / 1.800	- / 1.800	- / -	- / 22.201	
Support (All Modification Items)													
2.1) PRODUCTION SUPPORT	- / -	- / 0.862	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 1.462	
<i>Subtotal: Support</i>	- / 0.000	- / 0.862	- / 0.100	- / 0.100	- / -	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / 0.100	- / -	- / 1.462	
Installation													
<i>Modification Item 1 of 1:</i> 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III	- / 0.000	- / 0.600	- / 1.000	- / 2.800	- / -	- / 2.800	- / 3.200	- / 0.600	- / 0.600	- / 0.600	- / -	- / 9.400	
<i>Subtotal: Installation</i>	- / 0.000	- / 0.600	- / 1.000	- / 2.800	- / -	- / 2.800	- / 3.200	- / 0.600	- / 0.600	- / 0.600	- / -	- / 9.400	
Total													
Total Cost (Procurement + Support + Installation)	0.001	4.862	6.100	9.500	-	9.500	5.100	2.500	2.500	2.500	-	33.063	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2915 / CANES				Modification Number / Title: 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III					
Modification Item 1 of 1: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: SERCO, INC.							Manufacturer Location: >San Diego, CA						
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 7						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Nov 2012	Nov 2013	Nov 2014										
Delivery Dates	Jun 2013	Jun 2014	Jun 2015										
Manufacturer Name: SSC PAC-- San Diego, CA							Manufacturer Location: >San Diego, CA						
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 7						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates		Nov 2013	Nov 2014										
Delivery Dates		Jun 2014	Jun 2015										
Installation Information													
Method of Implementation: [none specified] : Installation Name: ADNS INC III													
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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.600	
FY 2013	- / -	- / -	4 / 1.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.000	
FY 2014	- / -	- / -	- / -	2 / 2.800	- / -	2 / 2.800	- / -	- / -	- / -	- / -	- / -	2 / 2.800	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.200	- / -	- / -	- / -	- / -	6 / 3.200	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.600	- / -	- / -	- / -	6 / 0.600	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.600	- / -	- / -	6 / 0.600	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.600	- / -	6 / 0.600	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / -	6 / -	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	- / -	1 / 0.600	4 / 1.000	2 / 2.800	- / -	2 / 2.800	6 / 3.200	6 / 0.600	6 / 0.600	6 / 0.600	6 / -	37 / 9.400	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2915 / CANES	Modification Number / Title: 5 / 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III

Modification Item 1 of 1: 5F069/5F776 Automated Digital Network System (ADNS) - Ashore - INC III

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: ADNS INC III

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	-	-	-	-	1	1	-	5	1	-	-	6	-	-	-	6	-	-	-	6	-	-	6	37
Out	-	-	1	-	-	-	-	4	-	-	-	1	1	-	5	1	-	-	6	-	-	-	6	-	-	-	6	-	-	6	37

Footnotes:

(13) PY Qty 1 unit procured under LI 3050 and installed in FY13 under LI 2915. -FY13-FY14 procurement quantities represent the ADNS Network Operation Centers (NOCs) at NCTS Bahrain, NCTAMS EURCENT, NCTAMS LANT, and NCTAMS PAC sites. -FY13 procurement quantities represent hardware upgrades (unit cost approx. \$850K each). FY14 procurement quantities represent full scale INC III systems (unit cost approx. \$2,500K each) at 2 NOC sites (NCTAMS PAC, NCTAMS LANT) with increased procurement and installation costs driven by ADNS configuration (i.e. number of racks and servers) to support failover capability for the entire fleet. FY15 procurement quantities represent full scale INC III systems (unit cost approx. \$2,500K each) at 2 NOC sites (NCTAMS EURCENT, NCTAMS Bahrain) and minor tech refreshes at 4 sites, therefore, have lower procurement and installation costs. -FY16-19 procurement quantities represent minor tech refreshes at 6 sites that include 4 NOCs. -INC III ashore units require an additional 4 months after delivery for required integration, assembly, testing and shipping that must occur prior to installation start. Installs do not begin until 11 months after procurement contract award (7 months production lead time + 4 months integration).

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment						P-1 Line Item Number / Title: 2920 / RADIAC						
ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items: 0708017N					Other Related Program Elements: 0603542N, 0702856N				
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>)	45.933	7.952	9.835	8.343	-	8.343	9.278	8.053	8.207	8.376	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	45.933	7.952	9.835	8.343	-	8.343	9.278	8.053	8.207	8.376	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	45.933	7.952	9.835	8.343	-	8.343	9.278	8.053	8.207	8.376	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: The Radiation Detection, Indication and Computation (RADIAC) Program is responsible for providing radiation monitoring instruments that detect and measure ionizing radiation. These instruments are used on all Navy, Coast Guard and Military Sealift Command vessels, and at every Navy shore installation, in order to ensure the safety of personnel, continuity of operations in radiological or nuclear contingencies, and protection of the environment. [P40A / M2100 - Survey Meters]: Survey meters are portable equipment used to support operations involving radioactive material, providing real-time information used to control personnel radiation exposure and to identify and control the spread of radioactivity. When used to search for radioactive material, they provide an extremely reliable method of identifying radioactive material while minimizing the risk to personnel conducting these operations. [P40A / M2200 - Dosimetry]: In accordance with 10CFR20, dosimetry is required to be worn by personnel who work with sources of radioactivity. In the Navy this includes personnel in the Nuclear Propulsion, Nuclear Weapons, and Medical and Radiological Affairs Support programs. In these programs radiation exposure is measured by dosimetry and recorded in individual medical records for tracking purposes. Dosimetry is also worn by personnel responding to casualties involving radioactivity to control their exposure within acceptable levels. [P40A / M2400 - Other RADIAC]: Supports instruments that are disparate in functionality and cannot be readily grouped into the other RADIAC Cost Codes. [P40A / M2500 - Air Sampling Systems]: Monitoring for airborne radioactivity is done to detect leaks from nuclear reactors or associated systems to ensure that radioactivity is not inadvertently released to the environment from these operations. [P40A / M2600 - Laboratory Test Equipment]: This Cost Code supports specialized equipment usually found in laboratories, hospitals and research facilities. [P40A / M2830 - Support - Production Engineering]: Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions.												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment												P-1 Line Item Number / Title: 2920 / RADIAC									
ID Code (A=Service Ready, B=Not Service Ready) : B						Program Elements for Code B Items: 0708017N						Other Related Program Elements: 0603542N, 0702856N									

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)
RADIAC Program	P-40a		-	-	45.933	-	-	7.952	-	-	9.835	-	-	8.344	-	-	-	-	-	8.344
Total Gross/Weapon System Cost			-	-	45.933	-	-	7.952	-	-	9.835	-	-	8.343	-	-	-	-	-	8.343

*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:

Title 10 of the Code of Federal Regulations, Part 20 (10CFR20) requires RADIAC instruments be used to ensure the safety of personnel who work with or are exposed to radioactive materials in their work. Additionally, the Navy's mission requires personnel and ships to have the ability to operate in radiological environments and the ability to identify and interdict radiological Weapons of Mass Destruction (WMD). Navy programs that require RADIAC instruments for Occupational Safety & Health (OSH) reasons under the provisions of 10CFR20 include Naval Nuclear Propulsion, Nuclear Weapons, and Medical and Radiological Affairs Support. Non-OSH programs include Radiological Defense, Consequence Management, Training, Technical (RADIAC calibration, shielding evaluation, research, etc.) and Radiological Search (maritime interdiction to locate or intercept WMD).

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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 / 02 / 10									P-1 Line Item Number / Title: 2920 / RADIAC							Aggregated Items Title: RADIAC 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) M2100 - Survey Meters ⁽¹⁾																					
1.1) Joint Water Monitor Kit ⁽²⁾	A		3,250.00	260	0.845	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.2) Gamma Scintillation Survey Meter, Control Unit ⁽³⁾	A		1,300.00	350	0.455	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.3) Gamma Scintillation Survey Meter, Probe ⁽⁴⁾	A		1,682.86	350	0.589	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.4) Pulsed X-Ray Survey Meter ⁽⁵⁾	A		3,160.00	50	0.158	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.5) Ion Chamber Survey Meter ⁽⁶⁾	A		6,560.00	200	1.312	1,700.00	200	0.340	1,701.12	200	0.340	-	-	-	-	-	-	-	-	-	
1.6) u-Rem Survey Meter ⁽⁷⁾	A		1,870.00	100	0.187	1,580.00	150	0.237	1,626.67	150	0.244	-	-	-	-	-	-	-	-	-	
1.7) Neutron Detector First Article ⁽⁸⁾	A		-	-	-	20,000.00	3	0.060	-	-	-	-	-	-	-	-	-	-	-	-	
1.8) Telescopic Survey Meter ⁽⁹⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
1.9) Underwater RADIAC Upgrade ⁽¹⁰⁾	A		-	-	-	-	-	-	-	-	-	21,739.13	23	0.500	-	-	-	21,739.13	23	0.500	
1.10) M2100 NWCF Contract Service Fee ⁽¹¹⁾	A		-	-	0.026	-	-	0.017	-	-	0.015	-	-	-	-	-	-	-	-	-	
Subtotal: 1) M2100 - Survey Meters			-	-	3.572	-	-	0.654	-	-	0.599	-	-	0.500	-	-	-	-	-	0.500	
2) M2200 - Dosimetry ⁽¹²⁾																					
2.1) DT-702 Card ⁽¹³⁾	A		-	-	5.382	-	-	-	42.97	30,000	1.289	44.26	30,000	1.328	-	-	-	44.26	30,000	1.328	
2.2) DT-702 Card Holder ⁽¹⁴⁾	A		-	-	-	11.50	25,000	0.288	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) DXTRAD Reader First Article ⁽¹⁵⁾	B		-	-	-	40,720.00	1	0.041	-	-	-	-	-	-	-	-	-	-	-	-	
2.4) DXTRAD Finger Ring ⁽¹⁶⁾	A		-	-	-	37.97	3,000	0.114	-	-	-	-	-	-	-	-	-	-	-	-	
2.5) 8800 Irradiator ⁽¹⁷⁾	A		-	-	-	14,746.00	3	0.044	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) 8800 Reader Upgrade ⁽¹⁸⁾	A		-	-	-	-	-	0.508	-	-	-	-	-	-	-	-	-	-	-	-	
2.7) Battlefield Dosimeter ⁽¹⁹⁾	A		-	-	-	-	-	-	150.00	5,000	0.750	150.00	5,500	0.825	-	-	-	150.00	5,500	0.825	

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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 / 02 / 10						P-1 Line Item Number / Title: 2920 / RADIAC										Aggregated Items Title: RADIAC 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)	
2.8) Electronic Personal Dosimeter (EPD) ⁽²⁰⁾	A		-	-	0.305	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.9) Whole Body Counter ⁽²¹⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.10) M2200 NWCF Contract Service Fee ⁽²²⁾	A		-	-	-	-	-	0.027	-	-	0.056	-	-	0.058	-	-	-	-	-	0.058	
Subtotal: 2) M2200 - Dosimetry			-	-	5.687	-	-	1.022	-	-	2.095	-	-	2.211	-	-	-	-	-	2.211	
3) M2400 - Other RADIAC ⁽²³⁾																					
3.1) Remote Area Monitor ⁽²⁴⁾	A		27,966.67	150	4.195	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.2) EPD Training Device ⁽²⁵⁾	A		87,000.00	3	0.261	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.3) Ion Chamber Training Device First Article ⁽²⁶⁾	B		76,000.00	1	0.076	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.4) Ion Chamber Training Device ⁽²⁷⁾	A		-	-	-	7,823.33	15	0.117	7,832.33	15	0.117	-	-	-	-	-	-	-	-	-	
3.5) Frisker Training Device First Article ⁽²⁸⁾	B		119,666.67	3	0.359	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3.6) Frisker Training Device ⁽²⁹⁾	A		4,520.00	150	0.678	4,546.96	150	0.682	-	-	-	-	-	-	-	-	-	-	-	-	
3.7) Neutron Area Monitor First Article ⁽³⁰⁾	B		-	-	-	20,000.00	1	0.020	-	-	-	-	-	-	-	-	-	-	-	-	
3.8) Criticality Monitor First Article ⁽³¹⁾	B		-	-	-	100,000.00	3	0.300	-	-	-	-	-	-	-	-	-	-	-	-	
3.9) Criticality Monitor ⁽³²⁾	A		-	-	-	-	-	-	15,825.00	50	0.791	16,110.00	50	0.806	-	-	-	16,110.00	50	0.806	
3.10) MCA Software ⁽³³⁾	A		-	-	-	-	-	-	575,000.00	1	0.575	-	-	-	-	-	-	-	-	-	
3.11) Tool Contamination Monitor ⁽³⁴⁾	A		-	-	-	-	-	-	126,000.00	7	0.882	126,000.00	10	1.260	-	-	-	126,000.00	10	1.260	
3.12) Tool Contamination Monitor Parts and Training ⁽³⁵⁾	A		-	-	-	-	-	-	-	-	0.505	-	-	-	-	-	-	-	-	-	
3.13) Spares ⁽³⁶⁾	A		-	-	5.926	-	-	0.531	-	-	0.229	-	-	0.089	-	-	-	-	-	0.089	

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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 / 02 / 10								P-1 Line Item Number / Title: 2920 / RADIAC								Aggregated Items Title: RADIAC 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)
3.14) M2400 NWCF Contract Service Fee (37)	A		-	-	0.027	-	-	0.031	-	-	0.075	-	-	0.055	-	-	-	-	-	0.055
<i>Subtotal: 3) M2400 - Other RADIAC</i>			-	-	11.522	-	-	1.681	-	-	3.174	-	-	2.210	-	-	-	-	-	2.210
4) M2500 - Air Sampling Systems ⁽³⁸⁾																				
4.1) Air Particle Detector Ship First Article ⁽³⁹⁾	A		579,500.00	4	2.318	1,096K	2	2.191	-	-	-	-	-	-	-	-	-	-	-	-
4.2) Air Particle Detector Ship Frames ⁽⁴⁰⁾	A		-	-	-	7,420.00	50	0.371	5,580.00	50	0.279	5,771.34	50	0.289	-	-	-	5,771.34	50	0.289
4.3) Air Particle Detector Ship ⁽⁴¹⁾	A		-	-	-	-	-	-	45,765.00	40	1.831	46,543.00	40	1.862	-	-	-	46,543.00	40	1.862
4.4) Air Particle Detector Shore First Article ⁽⁴²⁾	B		-	-	-	100,000.00	3	0.300	-	-	-	-	-	-	-	-	-	-	-	-
4.5) Air Particle Detector Shore First Article Testing ⁽⁴³⁾	A		-	-	-	-	-	0.082	-	-	-	-	-	-	-	-	-	-	-	-
4.6) Air Particle Detector Shore ⁽⁴⁴⁾	A		-	-	-	17,391.00	50	0.870	17,391.00	50	0.870	-	-	-	-	-	-	-	-	-
4.7) Air Particle Sampler First Article ⁽⁴⁵⁾	B		-	-	-	-	-	-	10,000.00	3	0.030	-	-	-	-	-	-	-	-	-
4.8) Air Particle Sampler First Article Testing	A		-	-	-	-	-	-	-	-	0.082	-	-	-	-	-	-	-	-	-
4.9) Air Particle Sampler ⁽⁴⁶⁾	A		-	-	-	-	-	-	-	-	-	2,000.00	200	0.400	-	-	-	2,000.00	200	0.400
4.10) Tritium Monitor ⁽⁴⁷⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.11) M2500 NWCF Contract Service Fee ⁽⁴⁸⁾	A		-	-	0.036	-	-	0.102	-	-	0.086	-	-	0.068	-	-	-	-	-	0.068
<i>Subtotal: 4) M2500 - Air Sampling Systems</i>			-	-	2.354	-	-	3.916	-	-	3.178	-	-	2.619	-	-	-	-	-	2.619
5) M2600 - Laboratory Test Equipment ⁽⁴⁹⁾																				
5.1) Liquid Scintillation Counter ⁽⁵⁰⁾	A		256,500.00	2	0.513	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.2) Gamma Counter ⁽⁵¹⁾	A		102,333.33	3	0.307	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 10								P-1 Line Item Number / Title: 2920 / RADIAC							Aggregated Items Title: RADIAC 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)
5.3) X-Ray Survey Equipment ⁽⁵²⁾	A		63,200.00	5	0.316	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) Gamma Counter Upgrade ⁽⁵³⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.5) M2600 NWCF Contract Service Fee ⁽⁵⁴⁾	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 5) M2600 - Laboratory Test Equipment</i>			-	-	1.136	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) M2830 - Support - Production Engineering ⁽⁵⁵⁾																				
6.1) Production Engineering Carderock ⁽⁵⁶⁾	A		-	-	12.347	-	-	0.350	-	-	0.450	-	-	0.455	-	-	-	-	-	0.455
6.2) Production Engineering ISEA	A		-	-	9.315	-	-	0.320	-	-	0.330	-	-	0.340	-	-	-	-	-	0.340
6.3) M2830 NWCF Contract Service Fee	A		-	-	-	-	-	0.009	-	-	0.009	-	-	0.009	-	-	-	-	-	0.009
<i>Subtotal: 6) M2830 - Support - Production Engineering</i>			-	-	21.662	-	-	0.679	-	-	0.789	-	-	0.804	-	-	-	-	-	0.804
Total			-	-	45.933	-	-	7.952	-	-	9.835	-	-	8.344	-	-	-	-	-	8.344

Footnotes:

- (1) M2100. Radiation survey meters, required by 10CFR20 and the Navy's mission, are used to detect, measure and monitor radiation levels in support of operations involving radioactive materials. Navy operations associated with radioactive materials include operation of nuclear reactors, maintenance on radioactive systems or components, testing of components for structural integrity (X-ray), research, and medical diagnostics and treatment. Additionally, radiation survey meters are used to search for, locate and intercept radioactive material, and in responding to casualties involving radioactive materials. Where radiation survey meters are used to support operations involving radioactive material, they provide real-time information used to control personnel radiation exposure and to identify and control the spread of radioactivity. When used to search for radioactive material, they provide an extremely reliable method of identifying radioactive material while minimizing the risk to personnel conducting these operations.
- (2) M2100, Joint Water Monitor Kit: Radiation detector and interface used to evaluate radioactivity of drinking water during radiological casualties. Utilizes the OA-9454/PDQ detector group consisting of DT-685/PDQ and DT-304/PDR.
- (3) M2100, Gamma Scintillation Survey Meter, Control Unit: Control Unit for sensitive portable radiation survey meter used to search for specific radionuclides or to search for small differences in area radiation levels indicative of improperly controlled radioactive material.
- (4) M2100, Gamma Scintillation Survey Meter, Probe: Probe for sensitive portable radiation survey meter used to search for specific radionuclides or to search for small differences in area radiation levels indicative of improperly controlled radioactive material.
- (5) M2100, Pulsed X-Ray Survey Meter: Specialized radiation detection instrument used in pulsed x-ray radiation facilities to ensure compliance with 10CFR20.
- (6) M2100, Ion Chamber Survey Meter: Portable radiation survey meter used to ensure compliance with 10CFR20 during operations involving radioactive material. This survey meter uses an ion chamber detector to ensure adequate response to both x-ray and gamma ray radiation.

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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 / 02 / 10	P-1 Line Item Number / Title: 2920 / RADIAC	Aggregated Items Title: RADIAC Program
(7) M2100, u-Rem Survey Meter: Sensitive portable radiation survey meter used to ensure compliance with 10CFR20 during operations involving radioactive material. (8) M2100, Neutron Detector First Article: Portable neutron radiation survey meter used to ensure compliance with 10CFR20 during nuclear reactor operations and operations involving neutron emitters. (9) M2100, Telescopic Survey Meter: Portable radiation survey meter with an extendable probe. The detector probe is connected to the meter using a telescoping extender to allow the user to stand in lower radiation level area while taking radiation measurements on highly radioactive items. (10) M2100, Underwater RADIAC: The AN/PDR-78 is an underwater radiological survey meter built 15 years ago by SPAWAR to meet requirements for the Navy's Explosive Ordnance Disposal (EOD) community. The electronics employed uses obsolete technology and needs to be replaced in order to provide better isotope identification capability, faster processing power and more memory. The electronics upgrade has been developed by USSOCOM for use in their allowance of AN/PDR-78s. (11) M2100 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions. (12) M2200. Dosimetry consists of radiation sensitive materials that are used for detecting and measuring an individual's exposure to ionizing radiation and to aid in minimizing this exposure. Dosimetry is required to be worn by personnel who work with sources of radioactivity or by personnel responding to casualties involving radioactivity. Most dosimeters are small devices that are worn on the belt, on a lanyard around the neck or attached to a shirt. Some dosimeters provide direct readout enabling the wearer to monitor and control radiation exposure. Other types of dosimeters must be removed from the wearer to be evaluated in special dosimeter readers that extract the recorded radiation exposure value from the dosimeter. Radiation exposure measured by dosimetry is recorded in individual medical records when formal tracking of the radiation exposure is required. (13) M2200, DT-702 Card: The DT-702 Thermoluminescent Dosimeter (TLD) is a small metal card, about one-sixth the size of a playing card and a little thicker, that contains four circular slots containing different elements that are sensitive to various types of radioactivity. The card is placed in a plastic holder so it is protected and able to be worn by personnel on a lanyard or on their clothing. It is issued to sailors and civilians who are occupationally exposed to radiation. This includes Navy programs such as Nuclear Propulsion, Explosive Ordnance Disposal, Nuclear Weapons, Industrial Radiography and Medical. The DT-702 provides primary dosimetry, whereby dosage accumulated on this card can be entered into the respective permanent medical files of each wearer. The processes associated with the DT-702 also are compliant with 10CFR20 by being approved by the National Voluntary Laboratory Accreditation Program (NVLAP), which is administered by the National Institute of Standards & Technology (NIST). The cards are issued to individuals and tracked by serial numbers. The cards are periodically turned in (and another card is issued so there is no coverage gap) to have the dose extracted by an 8800 Reader. The process by which the cards are read include several heating cycles that eventually make the receptor elements unusable, so the life of a TLD is finite -- about 100 reads -- and then they have to be replaced. (14) M2200, DT-702 Card Holder: The DT-702 Holder is used to hold and protect the DT-702 card during use. It consists of a hard plastic case with both belt and lanyard attachments. These attachments allow the DT-702 Holder (with DT-702 Card inserted) to be easily attached to the wearer during use. (15) M2200, DXTRAD Reader First Article: Specialized dosimetry reader for the DXTRAD dosimetry system. Used to evaluate DXTRAD dosimetry to determine the amount of radiation exposure accumulated in the dosimeter. (16) M2200, DXTRAD Finger Ring: Special dosimeter used to monitor radiation exposure to hands of workers. The DXTRAD Finger Ring uses the same radiation sensitive material of the DT-702/PD dosimeter, putting the material in a ring than can be worn on the workers hand, allowing use of hands during the work. (17) M2200, 8800 Irradiator: A component of the Harshaw 8800. This internal C-14 irradiator is used in the Harshaw 8800 to ensure the quality of the DT-702 card readings. (18) M2200, 8800 Reader Upgrade: Unique numeric-only serial numbers encoded on DT-702 Thermoluminescent Dosimeter (TLD) cards read by this machine will be depleted with the next procurement of cards. Therefore software and hardware upgrades must be made to the 53 Readers installed at the Naval Dosimetry Center and all Navy nuclear maintenance facilities to accommodate a new alpha-numeric serial number that will provide an additional 6.5 million unique numbers for Navy use. Letter 9492 Serial 04RN2/096 of 24 April 2013 to OPNAV Resource Sponsor requested and was approved to divert TLD purchase scheduled for FY13 to fund this upgrade. (19) M2200, Battlefield Dosimeter: A dosimeter designed for use during nuclear events involving high energy gamma and neutron irradiation. These dosimeters are worn by personnel who might be exposed to effects of a nuclear explosion or the associated fallout. The original concept was to replace the IM-270/PD with something similar, i.e., an inexpensive (\$22 each) wrist watch device with a digital display that records radioactive dose starting at the high level of 10 rem (Roentgen Equivalent in Man). The concept of operations for such a dosimeter is that it is issued at MOP III to every sailor in order for recovery teams to perform triage on casualties after a nuclear detonation. A rem is a large dose of radiation, so the millirem (mrem), which is one thousandth of a rem, is often used for the dosages commonly encountered, such as the amount of radiation received from medical x-rays, background sources and the lower levels of radiation normally associated with occupational radiological workers, which they receive on a continual basis and why their exposures are monitored and recorded. Dosimeters for these latter Navy programs use dosimeters that measure dose in the millirem range (see CEs 2.1 and 2.10). Subsequent to the Fukushima Daiichi nuclear plant disaster, a capability gap was identified wherein ships in the deployed Battle Group were exposed to the lower levels of radiation normally associated with occupational radiological workers. This hampered the continuity of operations and exposed sailors to risk. Therefore, specifications were added to the Battlefield Dosimeter for a device that could provide real-time feedback of doses at occupational ranges, but not be as expensive as an EPD (CE 2.10, approximately \$330 each at FY13 prices). Nonetheless, the Unit Cost of the Battlefield Dosimeter will increase exponentially due 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 / 02 / 10	P-1 Line Item Number / Title: 2920 / RADIAC	Aggregated Items Title: RADIAC Program
the added capabilities. While the final Unit Cost has not been determined because there has not been a selection of a winning design, costs are expected to be tempered somewhat because this buy will be Joint to satisfy similar requirements for Army and Marine Corps units, so an EOQ buy above the Navy requirements alone are expected to help in that regard. (20) M2200, Electronic Personal Dosimeter (EPD): An electronic dosimeter that includes a real-time digital display of radiation dose being received. These so-called secondary dosimeters are normally used in conjunction with the DT-702 primary dosimeter in order to provide the wearer with real-time radiation dose information and alarm features that aid workers in controlling their radiation exposure. The DT-702 is the Navy's approved dosimeter to record dose of record in each individual's medical record, but it must be turned in and read by a machine (the 8800 Reader) and does not indicate if the radiological environment poses an immediate danger. (21) M2200, Whole Body Counter (WBC): A system capable of measuring relatively low levels of internally deposited radioactive materials. A WBC would be deployed in an accident scenario (e.g., Fukushima, Japan) where the probability of ingestion of radioactive materials would be high. (22) M2200 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions. (23) M2400. Other RADIAC. The RADIAC Program fields 70 different families of instruments, consisting of a total of almost 43,000 instruments and 400,000 dosimeters. Those families that fall into similar functionality have been grouped here into the M2100, M2200, M2500 and M2600 Cost Codes. This Cost Code consists of instruments that have specialized functions that only they perform, and therefore would require an unmanageable and meaningless number of additional Cost Codes if each were addressed individually. In the context of the family metaphor used here, these instruments are no less important but are orphans in the sense there are not many of similar functionality that they could be grouped with. This Cost Code also supports replenishment of Ready for Issue (RFI) stocks when instruments in any Cost Code fall below stock levels sufficient to meet quarterly demand. This Cost Element (Spares) is a Continuing element that varies year-to-year based on emergent requirements and the quantity and unit cost of the item(s) being replenished. (24) M2400, Remote Area Monitor: Radiation detection system used to continuously monitor general area radiation levels to ensure compliance with 10CFR20 in facilities used for radiological work. (25) M2400, EPD Training Device: Training simulator used to provide EPD training without the need to expose trainees to radiation. (26) M2400, Ion Chamber Training Device First Article: Training simulator used to provide Ion Chamber Survey meter training without the need for trainees to handle radioactive material or be exposed to radiation. (27) M2400, Ion Chamber Training Device: Training simulator used to provide Ion Chamber Survey meter training without the need for trainees to handle radioactive material or be exposed to radiation. (28) M2400, Frisker Training Device First Article: Training simulator used to provide Frisker Station (IM-271/PD) training without the need for trainees to handle radioactive material or be exposed to radiation. (29) M2400, Frisker Training Device: Training simulator used to provide Frisker Station (IM-271/PD) training without the need for trainees to handle radioactive material or be exposed to radiation. (30) M2400, Neutron Area Monitor First Article: Neutron detection equipment used to continuously monitor general area neutron radiation levels to ensure compliance with 10CFR20 in facilities that use neutron emitters. (31) M2400, Criticality Monitor First Article: Radiation detection system used to continuously monitor general area radiation levels and designed to detect an uncontrolled reactor criticality event. This system is used in reactor construction and overhaul facilities to ensure compliance with 10CFR20. (32) M2400, Criticality Monitor: Radiation detection system used to continuously monitor general area radiation levels and designed to detect an uncontrolled reactor criticality event. This system is used in reactor construction and overhaul facilities to ensure compliance with 10CFR20. (33) M2400, webREMS: A dose management software system for the Mk2 Electronic Personal Dosimeter (EPD) that will be used to track radiation doses accumulated by workers. The EPD is used primarily at nuclear maintenance facilities and aboard CVNs and submarines. This automated system will automatically retrieve exposure data on the EPDs and replace the current method of manually recorded exposure logs, saving significant man hours and eliminating transcription errors. (34) M2400, Tool Contamination Monitor: Used to scan tools and other equipment prior to release from a radiological work area to a general work area in order to ensure the equipment did not become contaminated with radiation. (35) M2400, Tool Contamination Monitor Parts: Initial supply of repair parts. (36) M2400, Spares: Purchase of additional quantities of existing models of RADIACs to replenish or supplement stocks of spare items due to minor increases in program allowances, minor inventory losses, or due to items being beyond economical repair. (37) M2400 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.		

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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 / 02 / 10	P-1 Line Item Number / Title: 2920 / RADIAC	Aggregated Items Title: RADIAC Program
⁽³⁸⁾ M2500. Monitoring for airborne radioactivity is done to detect leaks from nuclear reactors or associated systems to ensure that radioactivity is not inadvertently released to the environment from these operations. Additionally, monitoring for airborne radioactivity is performed during maintenance on radioactive components or during events that might cause radioactivity to be released to the air. Monitoring for airborne radioactivity is normally done by drawing air across filter paper to collect airborne radioactive particles. This filter paper is then evaluated by radiation detectors and the concentration of airborne radioactivity is calculated. The types of airborne radioactivity monitoring systems include fixed systems and portable systems. Fixed systems sample air from pre-determined locations and normally include built-in radiation detectors for determining the airborne radioactivity concentration. Portable systems can be used to sample air at any desired location, but normally require the use of separate radiation detection instruments to measure the radioactive particles deposited on the filter paper to determine the airborne radioactivity concentration. ⁽³⁹⁾ M2500, Air Particle Detector, Ship, First Article: Airborne radioactivity monitoring system for use on all Navy CVNs and submarines. This system (IM-272/WDQ) is a replacement for the existing 25-year old IM-239/WDQ currently in use that has obsolescent components. The IM-272/WDQ incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance. Three separate contracts were awarded to competing vendors, two in FY12 and one in FY13, with each vendor to supply two First Articles for testing. Originally only the two vendors in FY12 were selected. But a protest from the third vendor that had responded to the Request for Proposal was upheld, necessitating a third award. Down select will be chosen from the winning design and options for production units subsequently exercised. ⁽⁴⁰⁾ M2500, Air Particle Detector, Ship, Frames: Government Furnished Material to be provided to the manufacturer of the APD Ship (IM-272/WDQ). This material consists of the housing and identified internal components from the IM-239/WDQ. The housings and identified internal components from the IM-239/WDQ will be prepared in a RADIAC Program facility and provided to the manufacturer of the IM-272/WDQ. Use of these housings and components reduces the overall cost of the IM-272/WDQ and ensures it has the same footprint as the IM-239/WDQ. ⁽⁴¹⁾ M2500, Air Particle Detector, Ship: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system (IM-272/WDQ) is a replacement for the existing IM-239/WDQ used on Navy nuclear ships. The IM-272/WDQ incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance. ⁽⁴²⁾ M2500, Air Particle Detector Shore First Article: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system is a replacement for the existing Air Particle Detector, Shore, First Article: IM-239/WDQ used in radiological maintenance facilities. The APD Shore incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance. ⁽⁴³⁾ M2500, APD Shore First Article Testing: Environmental and EMI testing. ⁽⁴⁴⁾ M2500, Air Particle Detector Shore: Airborne radioactivity monitoring system for use on Navy nuclear ships. This system is a replacement for the existing IM-239/WDQ used in radiological maintenance facilities. The APD Shore incorporates significant technology enhancements that will reduce spurious false alarms and reduce operator maintenance. ⁽⁴⁵⁾ M2500, Air Particle Sampler First Article: Portable airborne radioactivity sampling system. Used during radiological work or during radiological casualties to draw air across a filter paper to collect radioactive particles. The filter paper is then evaluated using separately provided radiation detectors to determine the concentration of airborne radioactivity. ⁽⁴⁶⁾ M2500, Air Particle Sampler: Portable airborne radioactivity sampling system. Used during radiological work or during radiological casualties to draw air across a filter paper to collect radioactive particles. The filter paper is then evaluated using separately provided radiation detectors to determine the concentration of airborne radioactivity. Initial plan was to procure 600 new units at approximately \$3,500 each to supplement existing fielded inventory of 1,200 units, many of which were failing and could not be repaired due to parts obsolescence. Further analysis showed that upgrading the entire inventory including replacement of the obsolete electronics assembly at approximately \$2,000 per unit was a better TOC alternative. ⁽⁴⁷⁾ M2500, Tritium Monitor: A detector that samples the air for the presence of Tritium. These detectors are used wherever nuclear weapons are stored. ⁽⁴⁸⁾ M2500 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions. ⁽⁴⁹⁾ M2600. This Cost Code supports specialized equipment usually found in laboratories, hospitals and test facilities. This kind of equipment is distinct enough to warrant separating it for management purposes from the M2400 Cost Code. ⁽⁵⁰⁾ M2600, Liquid Scintillation Counter: A sensitive radiation detection system used in laboratories for radioactive sample analysis. ⁽⁵¹⁾ M2600, Gamma Counter: A sensitive radiation detection system used for evaluating potentially radioactive items and laboratory samples. ⁽⁵²⁾ M2600, X-Ray Survey Equipment: X-ray radiation detection equipment used to evaluate diagnostic X-ray machines in medical facilities to ensure they are operating safely. ⁽⁵³⁾ M2600, Gamma Counter Upgrade: This laboratory equipment provides the capability of detecting loose contamination and the advantage of distinguishing if there is beta or gamma radiation/contamination present in the area. It provides automation in both the actual counting of samples and their automatic analysis. The upgrade is to software and hardware to improve performance and increase functionality. The upgrade will change the detecting medium to increase the counting efficiency. ⁽⁵⁴⁾ M2600 NWCF Contract Service Fee: The PCO for hardware acquisitions is a Navy Working Capital Fund activity that charges a set fee for each contract award and modification. The applicable fee for a given year is applied to the total value of the Cost Code hardware acquisitions.		

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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 / 02 / 10	P-1 Line Item Number / Title: 2920 / RADIAC	Aggregated Items Title: RADIAC Program
(55) M2830. Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions. (56) M2830, Production Engineering: Labor cost of the Engineers, Health Physicists, Scientists and others who prepare the acquisitions. The sequestration of FY13 in the amount of \$131K was applied to this cost element in FY13.		

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment							P-1 Line Item Number / Title: 2925 / CANES Intell					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0303138N				
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>)	77.423	62.586	55.262	65.015	-	65.015	28.920	51.799	48.670	48.316	682.967	1,120.958
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	77.423	62.586	55.262	65.015	-	65.015	28.920	51.799	48.670	48.316	682.967	1,120.958
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	77.423	62.586	55.262	65.015	-	65.015	28.920	51.799	48.670	48.316	682.967	1,120.958
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: Consolidated Afloat Networks & Enterprise Services (CANES) is the Navy's only Program of Record to replace existing afloat networks and provide the necessary infrastructure for applications, systems, and services to dominate the cyber warfare domain. CANES is the technical and infrastructure consolidation of existing, separately managed afloat networks including Integrated Shipboard Network Systems (ISNS), Combined Enterprise Regional Information Exchange System - Maritime, Sensitive Compartmented Information (SCI) Networks, and Submarine Local Area Network. These legacy afloat network designs are currently End of Life and CANES will replace these unaffordable and obsolete networks. The fundamental goal of CANES is to bring Infrastructure and Platform as a Service (IaaS / PaaS), within which current and future iterations of Tasking, Collection, Processing, Exploitation and Dissemination computing and storage capabilities will reside. CANES will provide complete infrastructure, inclusive of hardware, software, processing, storage, and end user devices for Unclassified, Coalition, Secret and SCI for all basic network services (email, web, chat, collaboration) to a wide variety of Navy surface combatants, submarines, Maritime Operations Centers, Regional Network Operations and Security Centers (RNOSCs) and Aircraft. In addition, ~36 hosted applications and systems inclusive of Command and Control, Intelligence, Surveillance and Reconnaissance, Information Operations, Logistics and Business domains require the CANES infrastructure to operate in the tactical environment. Integrating these applications and systems is accomplished through Application Integration, the engineering process used to evaluate and validate compatibility between the CANES IaaS / PaaS and the Navy-validated applications, systems and services that will utilize the CANES infrastructure and services. Specific programs, such as Distributed Common Ground System - Navy, Global Command and Control System - Maritime, Naval Tactical Command Support System, and Undersea Warfare Decision Support System, are dependent on the CANES Common Computing Environment to field, host, and sustain their capability because they no longer provide their own hardware. CANES equires that Automated Digital Network System (ADNS) field prior to or concurrently with CANES due to architectural reliance between the two programs. CANES will develop updates on a rolling four year hardware baseline and a two year software baseline. Fielding of rolling baselines will occur every eight years for hardware and four years for software. CANES is based on the overarching concept of reducing the number of afloat networks and providing enhanced efficiency through a single engineering focus on integrated technical solutions. This will allow for streamlined acquisition, contracting, and test events, and significant lifecycle efficiencies through consolidation of multiple current configuration management baselines, logistics, and training efforts into a unified support structure. Cooperative Maritime Forces Pacific (CMFP) network supports secure coalition interoperability and information exchange at the secret-releasable level.												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2925 / CANES Intell									
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: 0303138N									

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item - 1 / CANES Intell	P-5		-	-	1.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / CANES-Afloat 5G010/5G777 MIP	P-3a		-	-	73.142	-	-	62.024	-	-	54.312	-	-	65.015	-	-	-	-	-	65.015
P-3a - 2 / CANES - Ashore 5G010/5G776 MIP	P-3a		-	-	3.231	-	-	0.562	-	-	0.950	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	77.423	-	-	62.586	-	-	55.262	-	-	65.015	-	-	-	-	-	65.015

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item - 1 / CANES Intell	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / CANES-Afloat 5G010/5G777 MIP	P-3a		-	-	27.602	-	-	47.271	-	-	42.003	-	-	45.101	-	-	634.884	-	-	1,051.354
P-3a - 2 / CANES - Ashore 5G010/5G776 MIP	P-3a		-	-	1.318	-	-	4.528	-	-	6.667	-	-	3.215	-	-	48.083	-	-	68.554
Total Gross/Weapon System Cost			-	-	28.920	-	-	51.799	-	-	48.670	-	-	48.316	-	-	682.967	-	-	1,120.958

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

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

Justification:

FY 2015 - CANES funds are for procurement of (33) production units, (2) First Articles, integration, and associated costs for pre-installation design. In addition, the FY15 CANES investment will fund installations for (25) afloat units.

The related RD TEN PE is CANES Integration PE 0303138N. It is important to note, procurement quantities across the FYDP are the same CANES end item product referenced in CANES LI 2915. Installation quantities represent sites receiving CANES as also referenced in LI 2915. The associated dollars in this exhibit represent the MIP portions of the CANES enclave.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2925 / CANES Intell					Item Number / Title [DODIC]: 1 / CANES Intell		

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>	1.050	-	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	1.050	-	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	1.050	-	-	-	-	-	-	-	-	-	-	-

(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.

Cost Elements	ID CD	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)
Hardware Cost																			
Non Recurring Cost																			
1.1.1) Cooperative Maritime Forces Pacific (CMFP)		-	-	1.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	1.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost		-	-	1.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	1.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Cost Elements	ID CD	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)
Hardware Cost																			
Non Recurring Cost																			
1.1.1) Cooperative Maritime Forces Pacific (CMFP)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2925 / CANES Intell	Item Number / Title [DODIC]: 1 / CANES Intell

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2925 / CANES Intell	Modification Number / Title: 1 / CANES-Afloat 5G010/5G777 MIP

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>)	73.142	62.024	54.312	65.015	-	65.015	27.602	47.271	42.003	45.101	634.884	1,051.354
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	73.142	62.024	54.312	65.015	-	65.015	27.602	47.271	42.003	45.101	634.884	1,051.354
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	73.142	62.024	54.312	65.015	-	65.015	27.602	47.271	42.003	45.101	634.884	1,051.354
(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:

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Common Computing Environment (CCE) and the eventual addition of Afloat Core Services (ACS) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services. In addition, migration of Non-Classified Enclave (NCE) capabilities into the CANES baseline.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2925 / CANES Intell				Modification Number / Title: 1 / CANES-Afloat 5G010/5G777 MIP				
Models of Systems Affected: Consolidated Afloat Networks & Enterprise Services (CANES) MIP				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303238N				
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: CANES-Afloat 5G010/5G777 MIP												
B Kits												
Recurring												
1.1.1) CANES - Afloat Production Units - MIP - NonOrganic ⁽¹⁾	8 / 33.713	22 / 38.851	20 / 26.156	33 / 32.260	- / -	33 / 32.260	15 / 10.533	16 / 13.496	20 / 14.449	14 / 10.694	24 / 28.658	172 / 208.810
1.1.2) CANES Afloat Technical Insertion - MIP - NonOrganic ⁽²⁾	- / -	- / -	- / -	- / -	- / -	- / -	8 / 2.875	21 / 11.655	18 / 9.117	34 / 16.896	362 / 384.225	443 / 424.768
Subtotal: Recurring	- / 33.713	- / 38.851	- / 26.156	- / 32.260	- / -	- / 32.260	- / 13.408	- / 25.151	- / 23.566	- / 27.590	- / 412.883	- / 633.578
Non-Recurring												
1.2.1) CANES - Afloat First Articles - MIP - Organic ⁽³⁾	5 / 26.201	2 / 3.216	3 / 7.524	2 / 1.849	- / -	2 / 1.849	1 / 0.930	- / -	- / -	- / -	- / -	13 / 39.720
1.2.2) CANES-Non-Recurring Engineering (MIP) - Organic ⁽⁴⁾	- / 4.732	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.732
Subtotal: Non-Recurring	- / 30.933	- / 3.216	- / 7.524	- / 1.849	- / -	- / 1.849	- / 0.930	- / -	- / -	- / -	- / -	- / 44.452
Subtotal: CANES-Afloat 5G010/5G777 MIP	13 / 64.646	24 / 42.067	23 / 33.680	35 / 34.109	- / -	35 / 34.109	24 / 14.338	37 / 25.151	38 / 23.566	48 / 27.590	386 / 412.883	628 / 678.030
Subtotal: Procurement, All Modification Items	- / 64.646	- / 42.067	- / 33.680	- / 34.109	- / -	- / 34.109	- / 14.338	- / 25.151	- / 23.566	- / 27.590	- / 412.883	- / 678.030
Support (All Modification Items)												
2.1) CANES - Afloat Production Support (MIP)	- / 1.686	- / 2.045	- / 1.377	- / 1.698	- / -	- / 1.698	- / 0.706	- / 1.324	- / 1.240	- / 1.452	- / 21.731	- / 33.259
2.2) CANES - Afloat Design Service Agent (MIP)	- / 2.746	- / 2.481	- / 2.241	- / 2.337	- / -	- / 2.337	- / 0.617	- / 1.353	- / 1.073	- / 1.314	- / 1.464	- / 15.626
Subtotal: Support	- / 4.432	- / 4.526	- / 3.618	- / 4.035	- / -	- / 4.035	- / 1.323	- / 2.677	- / 2.313	- / 2.766	- / 23.195	- / 48.885
Installation												
Modification Item 1 of 1: CANES-Afloat 5G010/5G777 MIP	- / 4.064	- / 15.431	- / 17.014	- / 26.871	- / -	- / 26.871	- / 11.941	- / 19.443	- / 16.124	- / 14.745	- / 198.806	- / 324.439
Subtotal: Installation	- / 4.064	- / 15.431	- / 17.014	- / 26.871	- / -	- / 26.871	- / 11.941	- / 19.443	- / 16.124	- / 14.745	- / 198.806	- / 324.439
Total												
Total Cost (Procurement + Support + Installation)	73.142	62.024	54.312	65.015	-	65.015	27.602	47.271	42.003	45.101	634.884	1,051.354

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2925 / CANES Intell				Modification Number / Title: 1 / CANES-Afloat 5G010/5G777 MIP				
Modification Item 1 of 1: CANES-Afloat 5G010/5G777 MIP												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Northrop Grumman Systems Corp.							Manufacturer Location: >Herndon, VA					
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	Oct 2012											
Delivery Dates	Mar 2013											
Manufacturer Name: TBD ⁽⁵⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 5							Production Leadtime (in Months): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014										
Delivery Dates		Sep 2014										
Manufacturer Name: TBD ⁽⁶⁾							Manufacturer Location: >TBD.					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 6					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Nov 2014									
Delivery Dates			May 2015									
Installation Information												
Method of Implementation: [none specified] : Installation Name: CANES - Afloat Production Units - MIP												
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 / 4.064	7 / 7.605	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 11.669
FY 2013	- / -	5 / 7.826	17 / 13.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	22 / 21.124
FY 2014	- / -	- / -	6 / 3.716	14 / 19.144	- / -	14 / 19.144	- / -	- / -	- / -	- / -	- / -	20 / 22.860
FY 2015	- / -	- / -	- / -	11 / 7.727	- / -	11 / 7.727	22 / 10.432	- / -	- / -	- / -	- / -	33 / 18.159
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.456	12 / 10.235	- / -	- / -	- / -	15 / 11.691
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 6.085	12 / 8.946	- / -	- / -	16 / 15.031
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 4.649	14 / 9.127	- / -	20 / 13.776
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.011	12 / 6.066	14 / 7.077
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 22.231	24 / 22.231
Total	1 / 4.064	12 / 15.431	23 / 17.014	25 / 26.871	- / -	25 / 26.871	25 / 11.888	16 / 16.320	18 / 13.595	16 / 10.138	36 / 28.297	172 / 143.618

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2925 / CANES Intell					Modification Number / Title: 1 / CANES-Afloat 5G010/5G777 MIP									

Modification Item 1 of 1: CANES-Afloat 5G010/5G777 MIP

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: CANES - Afloat Production Units - MIP

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	6	2	7	5	6	4	3	8	8	6	9	8	6	2	6	1	5	4	5	6	4	4	5	2	6	39	172
Out	-	-	-	1	2	5	6	6	1	6	5	5	6	10	7	6	8	8	3	6	1	5	3	5	6	2	3	6	5	45	172

Method of Implementation: [none specified] : Installation Name: CANES Afloat Technical Insertion - MIP

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 / 0.053	7 / 2.088	- / -	- / -	- / -	8 / 2.141
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.035	16 / 1.893	- / -	- / -	21 / 2.928
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.636	12 / 2.780	- / -	18 / 3.416
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 1.827	22 / 3.349	34 / 5.176
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	362 / 167.160	362 / 167.160
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.053	12 / 3.123	22 / 2.529	24 / 4.607	384 / 170.509	443 / 180.821

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	7	-	5	6	5	5	6	6	6	6	390	443
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	7	-	5	6	5	5	6	6	6	396	443

Method of Implementation (Organic): Not Installed - CANES - Afloat First Articles - MIP

Installation Quantity: 13

Footnotes:

⁽¹⁾ CANES Afloat production units require an additional 4 months after delivery for operational integration, assembly and testing prior to installation start. Installs do not begin until 10 months after contract award (6 months production lead time + 4 months integration). Total Lead Time, including admin lead time, is 11 months. -First quarter installations reflected in the Installation Schedule are funded in the prior year

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2925 / CANES Intell	Modification Number / Title: 1 / CANES-Afloat 5G010/5G777 MIP
in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability. -Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platforms) has fewer users and runs fewer applications than a LHD/CVN (force level platforms). Force level platforms are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. -Installation cost fluctuations are attributed to and dependent on class, level of the platform, variant of predecessor system the hull currently has installed (ISNS Alpha/Charlie/Delta/Legacy), and geographic location of the installation. As an example of variant differences, if a CVN has an ISNS Delta variant installed, a CANES installation is estimated to be \$11.2M. If that same CVN had a legacy ATM LAN the CANES installation is estimated to be \$16.4M. The legacy LAN installation has the additional cost of rewiring all the drops, while the newer variants of ISNS allow for reuse of drops during the CANES installation. (2) DSA funding is not required for the initial CANES Technical Insertion (TI) installs. (3) First articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. First articles are separate from production units and must be bought prior to the procurement of the corresponding production units. Procurement Lead Time (PLT) is 8 months for First Articles (DDG,CVN, submarines, etc). All following production articles of the same variant require a PLT of 6 months. CANES First Articles are not installed. Average unit cost fluctuations are attributable to variances in system configuration requirements among platforms. A DDG/CG/LSD (unit level platforms) has fewer users and runs fewer applications than a LHD/CVN (force level platforms). Force level platforms are larger in scale compared to the unit level ships and represent a super set of users, applications and connected systems. The FY13 procurement is two Force Level units; FY14 is two Force and one Unit Level units; FY15 and FY 16 are Unit Level procurements. (4) The NRE cost element reflects production engineering costs related to delivery of the first production units. These costs include CVN and DDG design hardware baseline updates required as a result of deficiencies found during the manufacturing process and updates to related production documentation, both of which are required prior to final acceptance by the government. (5) FY 2014 Contractor and location will be defined once Full Deployment contract is awarded. (6) FY 2015 Contractor and location will be defined once Full Deployment contract is awarded.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2925 / CANES Intell	Modification Number / Title: 2 / CANES - Ashore 5G010/5G776 MIP

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>)	3.231	0.562	0.950	-	-	-	1.318	4.528	6.667	3.215	48.083	68.554
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	3.231	0.562	0.950	-	-	-	1.318	4.528	6.667	3.215	48.083	68.554
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	3.231	0.562	0.950	-	-	-	1.318	4.528	6.667	3.215	48.083	68.554
(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:

The consolidation of existing Afloat Network programs of record designed to provide an agile, responsive Common Computing Environment (CCE) and the eventual addition of Afloat Core Services (ACS) within and upon which application developers will host Command and Control, Warfare, Intelligence, Logistics, and business and education applications and services for Maritime Operation Command (MOC), Regional Network Operations and Security Centers (RNOSC) and Technical Training Equipment (TTE).

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10			P-1 Line Item Number / Title: 2925 / CANES Intell					Modification Number / Title: 2 / CANES - Ashore 5G010/5G776 MIP				
Models of Systems Affected: Consolidated Afloat Networks & Enterprise Services (CANES) MIP			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0303238N				
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: CANES - Ashore 5G010/5G776 MIP												
B Kits												
Recurring												
1.1.1) CANES-Ashore Production Units MIP - NonOrganic ⁽⁷⁾	- / -	1 / 0.288	2 / 0.497	- / -	- / -	- / -	1 / 0.142	1 / 1.787	2 / 2.951	1 / 1.511	2 / 3.685	10 / 10.861
1.1.2) CANES - Ashore Technical Insertion - MIP - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.203	2 / 0.334	- / -	27 / 25.726	30 / 26.263
Subtotal: Recurring	- / 0.000	- / 0.288	- / 0.497	- / -	- / -	- / -	- / 0.142	- / 1.990	- / 3.285	- / 1.511	- / 29.411	- / 37.124
Non-Recurring												
1.2.1) CANES - Ashore First Articles - MIP - Organic ⁽⁸⁾	1 / 3.231	- / -	- / -	- / -	- / -	- / -	1 / 1.010	- / -	- / -	- / -	- / -	2 / 4.241
Subtotal: Non-Recurring	- / 3.231	- / -	- / -	- / -	- / -	- / -	- / 1.010	- / -	- / -	- / -	- / -	- / 4.241
Subtotal: CANES - Ashore 5G010/5G776 MIP	1 / 3.231	1 / 0.288	2 / 0.497	- / -	- / -	- / -	2 / 1.152	2 / 1.990	4 / 3.285	1 / 1.511	29 / 29.411	42 / 41.365
Subtotal: Procurement, All Modification Items	- / 3.231	- / 0.288	- / 0.497	- / -	- / -	- / -	- / 1.152	- / 1.990	- / 3.285	- / 1.511	- / 29.411	- / 41.365
Support (All Modification Items)												
2.1) CANES - Ashore Production Support (MIP)	- / -	- / 0.015	- / 0.026	- / -	- / -	- / -	- / 0.007	- / 0.105	- / 0.173	- / 0.080	- / 1.548	- / 1.954
2.2) CANES - Ashore Design Service Agent (MIP)	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.053	- / 0.235	- / 0.136	- / 0.111	- / 0.168	- / 0.703
Subtotal: Support	- / 0.000	- / 0.015	- / 0.026	- / -	- / -	- / -	- / 0.060	- / 0.340	- / 0.309	- / 0.191	- / 1.716	- / 2.657
Installation												
Modification Item 1 of 1: CANES - Ashore 5G010/5G776 MIP	- / 0.000	- / 0.259	- / 0.427	- / -	- / -	- / -	- / 0.106	- / 2.198	- / 3.073	- / 1.513	- / 16.956	- / 24.532
Subtotal: Installation	- / 0.000	- / 0.259	- / 0.427	- / -	- / -	- / -	- / 0.106	- / 2.198	- / 3.073	- / 1.513	- / 16.956	- / 24.532
Total												
Total Cost (Procurement + Support + Installation)	3.231	0.562	0.950	-	-	-	1.318	4.528	6.667	3.215	48.083	68.554

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2925 / CANES Intell				Modification Number / Title: 2 / CANES - Ashore 5G010/5G776 MIP				
Modification Item 1 of 1: CANES - Ashore 5G010/5G776 MIP												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Northrop Grumman Systems Corp.							Manufacturer Location: >Herndon, VA					
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	Dec 2012											
Delivery Dates	Apr 2013											
Manufacturer Name: TBD ⁽⁹⁾							Manufacturer Location: >TBD					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014										
Delivery Dates		Sep 2014										
Manufacturer Name: TBD ⁽¹⁰⁾							Manufacturer Location: >TBD.					
Administrative Leadtime (in Months): 1							Production Leadtime (in Months): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Nov 2014									
Delivery Dates			Apr 2015									
Installation Information												
Method of Implementation: [none specified] : Installation Name: CANES-Ashore Production Units MIP												
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 / 0.259	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.259
FY 2014	- / -	- / -	2 / 0.427	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.427
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.106	- / -	- / -	- / -	- / -	1 / 0.106
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.826	- / -	- / -	- / -	1 / 1.826
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.956	- / -	- / -	2 / 2.956
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.513	- / -	1 / 1.513
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.655	2 / 3.655
Total	- / -	1 / 0.259	2 / 0.427	- / -	- / -	- / -	1 / 0.106	1 / 1.826	2 / 2.956	1 / 1.513	2 / 3.655	10 / 10.742

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Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2925 / CANES Intell										Modification Number / Title: 2 / CANES - Ashore 5G010/5G776 MIP											
Modification Item 1 of 1: CANES - Ashore 5G010/5G776 MIP																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: CANES-Ashore Production Units MIP																															
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	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	-	1	2	10
Out	-	-	-	-	-	1	-	-	-	2	-	-	-	-	-	-	-	1	-	-	-	1	-	-	-	2	-	-	-	3	10
Method of Implementation: [none specified] : Installation Name: CANES - Ashore Technical Insertion - MIP																															
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		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.372	- / -	- / -	- / -	1 / 0.372																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.117	- / -	- / -	2 / 0.117																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 13.301	27 / 13.301																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.372	2 / 0.117	- / -	27 / 13.301	30 / 13.790																		
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	-	-	-	-	27	30
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2	-	-	-	27	30
Method of Implementation (Organic): Not Installed - CANES - Ashore First Articles - MIP																															
																							Installation Quantity: 2								
Footnotes:																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2925 / CANES Intell	Modification Number / Title: 2 / CANES - Ashore 5G010/5G776 MIP

⁽⁷⁾ - Ashore procurement quantities are detailed as follows: Technical Training Equipment (TTE) - FY13 (1), FY14 (2), FY15 (0), FY16 (1), FY17 (0), FY18 (0); Maritime Operation Command (MOC) - FY13 (0), FY14 (0), FY15 (0), FY16 (0), FY17 (1), FY18 (2), FY19 (1). -A MOC is a fully operational system configuration. A TTE configuration is a subset of a MOC configuration. This scale difference accounts for the fluctuation in per unit costs across fiscal years commensurate with the procurement quantities outlined in above note. -TTE has no associated DSA requirements.

⁽⁸⁾ Production Lead Time is 8 months for First Articles. First Articles are defined as necessary production design drawings, environmental (shock and vibration) qualifications, logistics and training artifacts as well as a certified tested baseline provided to the government for each platform first of its kind. All following articles of the same variant require a Production Lead Time of 5 months for Ashore units and 6 months for afloat units. Total Ashore lead time, including 1 month Admin lead time, is 6 months. Ashore production lead times require one month less than Afloat production lead times due to the long lead time afloat production quality racks and minimized shock and vibration requirements for shore facilities. CANES First Articles are not installed.

⁽⁹⁾ FY 2014 Contractor and location will be defined once Full Deployment contract is awarded.

⁽¹⁰⁾ FY 2015 Contractor and location will be defined once Full Deployment contract is awarded.

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment	P-1 Line Item Number / Title: 2940 / Gen Purp Elec Test Equip (GPETE)

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>)	39.051	5.587	6.253	6.284	-	6.284	6.400	6.514	6.640	6.775	46.462	129.966
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	39.051	5.587	6.253	6.284	-	6.284	6.400	6.514	6.640	6.775	46.462	129.966
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	39.051	5.587	6.253	6.284	-	6.284	6.400	6.514	6.640	6.775	46.462	129.966
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Dollars</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This program provides for the initial procurement and distribution of General Purpose Electronic Test Equipment (GPETE). This equipment is essential to the operational readiness of the Navy for repair, installation, and maintenance (preventive and routine) of electronic systems and equipments, both afloat and ashore. The GPETE procured must meet rigid technical requirements, be cost effective and satisfy valid deficiencies in authorized allowance.

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)
Gen Purp Elec Test Equip (GPETE)	P-40a		-	-	39.051	-	-	5.587	-	-	6.253	-	-	6.284	-	-	-	-	-	6.284
Total Gross/Weapon System Cost			-	-	39.051	-	-	5.587	-	-	6.253	-	-	6.284	-	-	-	-	-	6.284

*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 / 02 / 10						P-1 Line Item Number / Title: 2940 / Gen Purp Elec Test Equip (GPETE)										Aggregated Items Title: Gen Purp Elec Test Equip (GPETE)				
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) M6000 FIBER OPTICS																				
1.1) FIBER OPTICS AND DATA COMM	A		45,483.33	60	2.729	10,000.00	29	0.290	6,882.35	34	0.234	7,000.00	34	0.238	-	-	-	7,000.00	34	0.238
Subtotal: 1) M6000 FIBER OPTICS			-	-	2.729	-	-	0.290	-	-	0.234	-	-	0.238	-	-	-	-	-	0.238
2) M6001 SIGNAL GENERATORS																				
2.1) SIGNAL GENERATORS & ANALYZERS	A		70,137.10	372	26.091	16,000.00	171	2.736	10,166.67	72	0.732	10,338.03	71	0.734	-	-	-	10,338.03	71	0.734
Subtotal: 2) M6001 SIGNAL GENERATORS			-	-	26.091	-	-	2.736	-	-	0.732	-	-	0.734	-	-	-	-	-	0.734
3) M6002 OSCILLSCPS, METERS																				
3.1) OSCILLSCPS, METERS&COUNTERS	A		6,042.93	1,118	6.756	4,000.00	501	2.004	3,235.02	851	2.753	3,289.60	846	2.783	-	-	-	3,289.60	846	2.783
Subtotal: 3) M6002 OSCILLSCPS, METERS			-	-	6.756	-	-	2.004	-	-	2.753	-	-	2.783	-	-	-	-	-	2.783
4) M6003 PROC ENGR AND DOCUMENTATION																				
4.1) PROC ENG AND DOCUMENTATION	A		-	-	3.475	-	-	0.557	-	-	0.896	-	-	0.869	-	-	-	-	-	0.869
Subtotal: 4) M6003 PROC ENGR AND DOCUMENTATION			-	-	3.475	-	-	0.557	-	-	0.896	-	-	0.869	-	-	-	-	-	0.869
5) M6004 PASSIVE ANCILLARY AND MECHANICAL																				
5.1) PASSIVE ANCILLARY AND MECHANICAL	A		-	-	-	-	-	-	1,591.84	1,029	1.638	1,617.93	1,026	1.660	-	-	-	1,617.93	1,026	1.660
5.2) New Cost Element			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) M6004 PASSIVE ANCILLARY AND MECHANICAL			-	-	0.000	-	-	-	-	-	1.638	-	-	1.660	-	-	-	-	-	1.660
Total			-	-	39.051	-	-	5.587	-	-	6.253	-	-	6.284	-	-	-	-	-	6.284

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment							P-1 Line Item Number / Title: 2960 / Integ Combat System Test Facility					
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>)	19.074	4.541	4.963	4.016	-	4.016	9.031	9.230	9.389	9.588	-	69.832
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	19.074	4.541	4.963	4.016	-	4.016	9.031	9.230	9.389	9.588	-	69.832
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	19.074	4.541	4.963	4.016	-	4.016	9.031	9.230	9.389	9.588	-	69.832
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (<i>\$ in Millions</i>)	-	0.578	0.726	0.351	-	0.351	0.375	0.389	0.409	0.407	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 supports various Navy Integrated Combat System Test Facility (ICSTF) sites as required to support integration and interoperability testing. Sites include, but are not limited to: Naval Surface Warfare Center (NSWC) Dahlgren, Surface Combat System Center (SCSC) Wallops Island, and NSWC Dam Neck. The United States Navy has a requirement to fully test and certify computer programs for maturity and operational performance prior to delivery to the Fleet. AEGIS and Non-AEGIS ships are certified through Combat System Integration Testing (CSIT) formally known as Warfare System Integration & Interoperability Test (WSI2T). Commander, U.S. Fleet Forces Command (CFFC) provided specific direction to develop a unified modernization process, and certify all combat system baselines for integration and interoperability as an integral step in the CNO Fleet Response Plan (FRP). Various Navy facilities, serving as ICSTF, conduct the required testing in support of CVN, DDG, CG, LHD, LHA, LPD17 and LSD class ships. These sites also comprise the Navy's Distributed Engineering Plant (DEP) alliance, which performs Interoperability Assessments and Systems Engineering Events (SEEs) for deploying Strike Groups. These facilities also provide combat system in-service support to respond to emergent Fleet problems. This capability tests and certifies new combat system baseline in a lab based environment, which has significantly reduced the cost of corrective action and shifted the burden of problem discovery away from the operator at sea. As existing systems experience parts obsolescence, combat systems are continually updated through planned technical refresh. As these new Commercial Off the Shelf (COTS) systems are introduced, ICSTF must maintain test beds in order to accurately replicate Command, Control, Communications, Computer, Combat Systems, and Intelligence (C5I) configurations that are destined for the Fleet. In addition, new combat systems architectures are under development for new ship classes such as LCS, CVN-78, DDG-1000, as well as new Open Architecture (OA) variants of legacy suites. Procurement of production representative systems of these OA combat systems being delivered to operational Fleet units is critical to ensure that testing and subsequent certification of both current and newly installed combat systems is in accordance with NAVSEAINST 9410.2 Naval Warfare Systems Certification Policy (NWSCP) and the FRP Program. The basic procurement program outlined herein is directed at expanding various facilities capability to support CSIT. Procurement requirements are directly tied to the CSIT testing schedule and establish independence between test beds allowing for parallel certification efforts. Procurements are required to build the necessary test beds and for laboratory support equipment. This budget procures lab support equipment ensuring that various facilities are able to support the new tactical subsystems that use COTS equipment. In addition, the basic program provides for equipment/upgrades for the Navy's Distributed Engineering Plant (DEP) needed to conduct Interoperability Assessment testing. The DEP consists of nine land-based sites networked to certify computer programs prior to their delivery to the Fleet. Interoperability Assessment testing is required for all deploying Strike Groups per the Joint Fleet Instruction.												

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2960 / Integ Combat System Test Facility										
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:										Other Related Program Elements:					
[P40A / M8100 - Combat System Equipment]: M8100 - COMBAT SYSTEM INTEGRATION TESTING EQUIPMENT (CSIT) PREVIOUSLY KNOWN AS COMBAT SYSTEM EQUIPMENT Procures hardware necessary for successful Combat System Integration Testing (CSIT) execution as scheduled in the NAVSEA Warfare Systems Certification Events schedule, including the following: 1) Hardware that makes up the tactical baseline to accurately replicate the ship configuration for integration and interoperability testing; 2) Hardware necessary to support integration and interoperability testing; 3) Simulation hardware, test tools, and laboratory equipment; and 4) Software and support for the modification of existing simulation software required for conduct of integration and interoperability testing. [P40A / M8200 - Support Equipment]: M8200 - SUPPORT EQUIPMENT Procures hardware necessary to support integration and interoperability testing. Equipment includes simulation hardware, test tools and laboratory equipment. [P40A / M8300 - CS Simulation]: M8300 - COMBAT SYSTEM (CS) SIMULATION Procures software and support for the modification of existing simulation software required for conduct of integration and interoperability testing. [P40A / M8400 - SESEF Electronic Equipment]: The Shipboard Electronic Systems Evaluation Facilities (SESEF) are Navy owned and operated test sites. The SESEF Program mission is to provide electromagnetic system tests and evaluations to afloat and shore commands for new and/or upgraded systems, to validate system performance following new construction and overhaul/availability, and to provide real-time assessment of material readiness in an operational environment. Providing new system development and integration, system and equipment component procurement and S/W upgrades for test systems for Tactical Control and Navigation (TACAN), Automated Information Management System (AIMS) MK XII Identification Friend or Foe (IFF), LINK 4A/11/16, OUTBOARD/COMBAT Direction Finder (DF)/Radio Direction Finder (RDF), search and fire control radars, and communication systems including secure voice. SESEFs have been used effectively to conduct TACAN certifications, support AN/SLQ-32 Electronic Warfare (EW) Planned Maintenance System (PMS)and to detect and isolate shipboard system deficiencies leading to maintenance action to increase ship material readiness at the completion of construction, delivery availabilities, during routine ship operations, and prior to deployment. [P40A / M8500 - Interoperability Assessment Equipment]: M8500 - INTEROPERABILITY ASSESSMENT EQUIPMENT PREVIOUSLY KNOWN AS DISTRIBUTED ENGINEERING PLANT (DEP) Procures upgrades to support the nine sites that comprise the Navy's DEP. Procures hardware that provides the DEP Network Operations Center (NOC) with the capability to remotely monitor, configure, and update the DEP network equipment in case the network is down or there is an equipment hang-up. Funds are also allocated for site upgrades to meet current standards and allow network scalability for DEP requirements. In addition, to enable the DEP networks to maintain efficiency and product improvement to interface with other non-DEP communities using external, advanced, routing protocols. [P40A / M86IN - Non-FMP Installation]: M86IN - EQUIPMENT INSTALLATION (NON FMP) Procures engineering and installation support for the above OPN budget. Support includes performing test bed staging, installation, connection, switching, repair, and removal services of upgraded/tech refresh tactical, simulation and support systems in direct support of NAVSEA requirements. Provides engineering services for rapid reconfiguration to new/upgraded installations to meet requirements.																				
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)
ICSTF Program	P-40a		-	-	19.074	-	-	4.541	-	-	4.963	-	-	4.016	-	-	-	-	-	4.016
Total Gross/Weapon System Cost			-	-	19.074	-	-	4.541	-	-	4.963	-	-	4.016	-	-	-	-	-	4.016
*For P-40as, Title represents the P40a Title.																				

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment		P-1 Line Item Number / Title: 2960 / Integ Combat System Test Facility
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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 / 02 / 10						P-1 Line Item Number / Title: 2960 / Integ Combat System Test Facility									Aggregated Items Title: ICSTF 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) M8100 - Combat System Equipment																				
1.1) CSIT Prior Combat Support Equipment	A		-	-	4.829	-	-	1.906	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) M8100 - Combat System Equipment			-	-	4.829	-	-	1.906	-	-	-	-	-	-	-	-	-	-	-	-
2) M8200 - Support Equipment																				
2.1) Support Equipment	A		-	-	2.157	-	-	0.311	-	-	0.155	-	-	-	-	-	-	-	-	-
Subtotal: 2) M8200 - Support Equipment			-	-	2.157	-	-	0.311	-	-	0.155	-	-	-	-	-	-	-	-	-
3) M8300 - CS Simulation																				
3.1) CS Simulation	A		-	-	1.145	-	-	0.150	-	-	0.100	-	-	-	-	-	-	-	-	-
Subtotal: 3) M8300 - CS Simulation			-	-	1.145	-	-	0.150	-	-	0.100	-	-	-	-	-	-	-	-	-
4) M8400 - SESEF Electronic Equipment																				
4.1) SESEF Electronic Equipment	A		-	-	7.317	-	-	1.044	-	-	1.421	-	-	0.833	-	-	-	-	-	0.833
Subtotal: 4) M8400 - SESEF Electronic Equipment			-	-	7.317	-	-	1.044	-	-	1.421	-	-	0.833	-	-	-	-	-	0.833
5) M8500 - Interoperability Assessment Equipment																				
5.1) Interoperability Assessment Equipment	A		-	-	1.645	-	-	0.577	-	-	2.732	-	-	2.621	-	-	-	-	-	2.621
Subtotal: 5) M8500 - Interoperability Assessment Equipment			-	-	1.645	-	-	0.577	-	-	2.732	-	-	2.621	-	-	-	-	-	2.621
6) M86IN - Non-FMP Installation																				
6.1) M86IN - Non-FMP Installation	A		-	-	1.981	-	-	0.553	-	-	0.555	-	-	0.562	-	-	-	-	-	0.562
Subtotal: 6) M86IN - Non-FMP Installation			-	-	1.981	-	-	0.553	-	-	0.555	-	-	0.562	-	-	-	-	-	0.562
Total			-	-	19.074	-	-	4.541	-	-	4.963	-	-	4.016	-	-	-	-	-	4.016

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment							P-1 Line Item Number / Title: 2970 / EMI Control Instrumentation													
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>)	120.846	4.369	4.664	4.113	-	4.113	4.199	4.314	4.364	4.462	-	151.331								
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Net Procurement (P1) (<i>\$ in Millions</i>)	120.846	4.369	4.664	4.113	-	4.113	4.199	4.314	4.364	4.462	-	151.331								
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-								
Total Obligation Authority (<i>\$ in Millions</i>)	120.846	4.369	4.664	4.113	-	4.113	4.199	4.314	4.364	4.462	-	151.331								
(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 Electromagnetic Interference (EMI) Control Instrumentation Program is fully aligned with the CNO's Sailing Directions (issued Feb 2012). This program supports all three of CNO's main tenets (Warfighting First, Operate Forward and Be Ready). The EMI Control Instrumentation Program provides Cradle to Grave Systems Engineering for Mission Assurance by implementing Electromagnetic Compatibility (EMC) hardware solutions and Spectrum Management (SM) software solutions. This ensures equipment, systems, and ships meet their Operational Mission Requirements and goals within their intended operational EM environment. This Program provides EMI (Hardware and Software) fixes to correct mission degrading EMI problems on deploying ships and submarines, thereby restoring combat capability and Fleet Readiness. MA004 - EMI (HARDWARE) FIXES: Procurement and installation of Electromagnetic Interference (EMI) Hardware Solutions (i.e, Fixes) will achieve Electromagnetic Compatibility (EMC) among and between shipboard electronic/electric systems and/or equipment. This will be accomplished by determining the optimal EMI fix hardware, evaluating the effectiveness of the EMI solution, then procuring and installing the required hardware with full integrated logistic support (ILS) as part of the system hardware (ECP, OA, FC, etc). The fixes may include various types of radio frequency (RF) filters, limiters, blankers, radar absorbing material (RAM) and shielding methods. MA104 - EMI (SOFTWARE) FIXES: Procurement and installation of EMI Software Fixes for platform/strike group/Area of Operation. These specific spectrum procedures (software application capabilities) and frequency management techniques (software modules) will be used to eliminate and reduce EMI when hardware solutions are unacceptable. Funds will also be used to provide engineering support to the enhancement of spectrum software applications through the procurement of models and other capabilities, including ILS for software tools/utilities/applications that correct/mitigate operational EMI.																				
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)
EMI Control Instrumentation	P-40a		-	-	120.846	-	-	4.369	-	-	4.664	-	-	4.113	-	-	-	-	-	4.113

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2970 / EMI Control Instrumentation											
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			-	-	120.846	-	-	4.369	-	-	4.664	-	-	4.113	-	-	-	-	-	4.113	
*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 / 02 / 10						P-1 Line Item Number / Title: 2970 / EMI Control Instrumentation								Aggregated Items Title: EMI Control Instrumentation						
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) MA004 EMI (HARDWARE) FIXES																				
1.1) MA004 EMI (HARDWARE) Fixes	A		-	-	65.730	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MA004 EMI (HARDWARE) FIXES - N96	A		-	-	1.682	-	-	0.793	-	-	0.823	-	-	0.804	-	-	-	-	-	0.804
1.3) MA004 EMI (HARDWARE) FIXES - N95	A		-	-	1.157	-	-	0.545	-	-	0.573	-	-	0.573	-	-	-	-	-	0.573
1.4) MA004 EMI (HARDWARE) FIXES - N97	A		-	-	1.207	-	-	0.566	-	-	0.595	-	-	0.592	-	-	-	-	-	0.592
1.5) MA004 EMI (HARDWARE) FIXES N98	A		-	-	1.805	-	-	0.841	-	-	0.885	-	-	0.522	-	-	-	-	-	0.522
Subtotal: 1) MA004 EMI (HARDWARE) FIXES			-	-	71.581	-	-	2.745	-	-	2.876	-	-	2.491	-	-	-	-	-	2.491
2) MA104 EMI (SOFTWARE) FIXES																				
2.1) MA104 EMI (SOFTWARE) FIXES - N95	A		-	-	2.884	-	-	0.234	-	-	0.246	-	-	0.245	-	-	-	-	-	0.245
2.2) MA104 EMI (SOFTWARE) FIXES - N96	A		-	-	4.328	-	-	0.340	-	-	0.352	-	-	0.344	-	-	-	-	-	0.344
2.3) MA104 EMI (SOFTWARE) FIXES - N97	A		-	-	3.104	-	-	0.242	-	-	0.255	-	-	0.254	-	-	-	-	-	0.254
2.4) MA104 EMI (SOFTWARE) FIXES - N98	A		-	-	4.650	-	-	0.362	-	-	0.380	-	-	0.224	-	-	-	-	-	0.224
2.5) MA104 EMI (SOFTWARE) FIXES - N2N6	A		-	-	32.499	-	-	0.446	-	-	0.555	-	-	0.555	-	-	-	-	-	0.555
Subtotal: 2) MA104 EMI (SOFTWARE) FIXES			-	-	47.465	-	-	1.624	-	-	1.788	-	-	1.622	-	-	-	-	-	1.622
3) MAG86 EMI (HARDWARE) FIXES																				
3.1) MAG86 OCO EMI CONTROL INSTRUMENTATION/ COMBAT THEATER EMC	A		-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) MAG86 EMI (HARDWARE) FIXES			-	-	1.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	120.846	-	-	4.369	-	-	4.664	-	-	4.113	-	-	-	-	-	4.113

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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 / 02 / 10	P-1 Line Item Number / Title: 2970 / EMI Control Instrumentation	Aggregated Items Title: EMI Control Instrumentation

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million

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>)	237.537	63.983	66.889	45.053	-	45.053	63.110	79.405	97.819	79.546	405.712	1,139.054
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	237.537	63.983	66.889	45.053	-	45.053	63.110	79.405	97.819	79.546	405.712	1,139.054
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	237.537	63.983	66.889	45.053	-	45.053	63.110	79.405	97.819	79.546	405.712	1,139.054
<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>)	-	2.380	1.322	1.200	-	1.200	0.430	0.210	0.390	0.035	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:

[P40A / DC004 CALIBRATION STANDARDS]: These funds procure calibration equipment for intermediate and organizational maintenance levels. Test And Monitoring Systems (TAMS), which include test equipment and gauges, must be calibrated to ensure the equipment is operational, accurate and precise. Funds are used to procure Calibration Standards. Calibration Standards are equipments which ensure the accuracy of test equipment used to install, align, and maintain all navy weapons systems shore and afloat. Intermediate Maintenance Activities (IMA) mechanical standards programs provide various new and replacement calibration equipment for instrument repair and calibration shops aboard tenders and shore based intermediate maintenance activities. The shipboard gauge calibration program provides the organization maintenance level aboard ship with portable calibration equipment to provide calibration support in only specific areas of measurement. Integrated Condition Assessment System (ICAS) is a Non-Developmental Item (NDI) (Commercial-Off-The-Shelf (COTS) equipment) computer-based system that provides real-time, on-line machinery condition monitoring and failure detection, diagnosis, trending for failure prognosis and expert troubleshooting capability. ICAS is linked through data networks to other critical ship systems, such as machinery control, damage control and bridge systems to receive necessary sensory information.

[P40A / DC019 RADAR RESTORATION AN/SPS-67 ANTENNA]: Funding in this line establishes an antenna manufacturing capability at Naval Surface Warfare Center (NSWC) Crane needed to provide additional rotatable pool antennas for the AN/SPS-67(V)3 to support the restoration of installed fleet antennas. The current number of available antennas is insufficient to support the fleet population. This has led to antennas operating in the field beyond their periodicity, resulting in decreased detection and tracking capability.

[P40A / DC020 DUAL BAND RADAR (DBR)]: Funding is required to establish the In-Service Engineering Agent (ISEA), Original Equipment Manufacturer (OEM) production services and support for Configuration Management. Funding also implements the DBR Life Cycle Sustainment Plan (LCSP) and infrastructure, Diminishing Manufacturing Sources and Material Shortages (DMSMS) Plan, associated hardware and software obsolescence mod kits, procurement of Engineering Change Proposals (ECPs), associated logistics products and on-board allowance requirements to enable system operation. Production support is also required to assist with DBR Combat System Integration and Technical Documentation.

[P40A / DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)]: The Maritime Radar Processor (MRP) was developed to improve the detection of small boats/targets by USN ships. Funding in this line will be used to integrate, procure and field the MRP and to fund associated logistics documentation changes. A CNO availability is not required for installation of this Field Change.

[P3A / DC001 - SPS-73 RADAR]: The AN/SPS-73(V) Radar provides primary navigation and surface search radar functionality on all U.S. Navy ships (with the exception of FFG/MHC class ships). All radars were procured with prior year Congressional Plus Up funding and are awaiting installation. The AN/SPS-73(V)12 is the Program of Record (POR) replacement for the legacy, unsupported, and non-POR navigation/ surface search radars (LN-66, AN/SPS-55/64, and Bridgemaster (BME)). Funding in this line completes technology refresh, providing design for an Engineering Change Proposal (ECP) (Field Change (F/

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment		P-1 Line Item Number / Title: 2980 / Items less than \$5 Million
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
C) 13 to the AN/SPS-73(V)12) that addresses Commercial-Off-The-Shelf (COTS) obsolescence and incorporates expanded requirements, as well as recommended fleet enhancements to ensure safety of operations. Funding is provided for procurement for the replacement (with AN/SPS-73(V)12 F/C 13) of the LPD 17 non-POR AN/SPS-73(V)13 radars which is procured as Contractor Furnished Equipment for the LPD 17 class. Funding is required to procure a Next Generation COTS Replacement Radar and the Maritime Radar Processor (MRP). Next Generation COTS Replacement Radar will replace the current POR AN/SPS-73(V)12 due to COTS obsolescence. MRP was developed to improve the detection of small boats/targets by USN ships. Funding in this line will be used to integrate, procure and field the MRP in conjunction with the Next Generation COTS Replacement Radar and to fund associated logistics documentation changes.		
[P3A - 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)]: The AN/SPS-48G 3-D Air Surveillance Radar is a follow-on to the existing AN/SPS-48E onboard Aircraft Carriers and large-deck Amphibious ships. AN/SPS-48G was initiated in response to Fleet complaints regarding AN/SPS-48E reliability and supportability. Upgrade of the AN/SPS-48E with the AN/SPS-48G remains a high Fleet priority as it will reduce Operation and Support (O&S) costs and improve Operational Availability. Both factors are cited by the Fleet as unsatisfactory for the AN/SPS-48E. The goal is to replace the AN/SPS-48E as rapidly as possible so the Fleet can realize these cost savings. Current efforts include the manufacturing of the AN/SPS-48G upgrade kits with associated production support as well as modifications to the AN/SPS-48G brought about by initial Fleet introduction and Fleet operations. Production lead time is 24 months for the initial unit with subsequent units delivered at two month intervals after initial delivery. Equipment delivery for installation is required thirty days prior to FMP availability start in accordance with Navy Modernization Process Management. Engineering Change Order funding is included to address Fleet recommended modifications/ requirements. FY13 and beyond Engineering Change Proposal funding is to initiate incorporation of High Diver Detection and Tracking functionality. This capability was designed and incorporated into the AN/SPS-48E after design of the AN/SPS-48G had been initiated. This change now needs to be translated into the different hardware and software architectures of the AN/SPS-48G.		
[P3A - 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS]: This funding continues and executes efforts funded under the Radar Improvement Program. This program addresses already realized obsolescence, cost, reliability and maintainability issues raised by the fleet for the AN/SPS-49(V) air search radar, initially introduced in the Navy in the 1970's. These funds support the completion of the AN/SPS-49 Solid State Modulator (SSM) program and provide funding to begin addressing serious obsolescence issues throughout the radar including already obsolete Circuit Card Assemblies (CCAs) and other electrical components, and ongoing reliability problems in the transmitter.		
[P3A - 4 / DC012 - AN/SPS-74(V) PERISCOPE DETECTION RADAR (PDR)]: AN/SPS-74(V) PERISCOPE DETECTION RADAR (PDR): The CVN Periscope Detection Radar (PDR), AN/SPS-74(V) is a radar that provides automatic detection and discrimination of submarine periscopes using advanced algorithms enabling discrimination of periscopes from surface contacts, buoys, small boats, floating mines, etc. Four Advanced Development Models (ADMs) have been installed and are operating on CVN class ships. The AN/SPS-74 program was cancelled in FY12. FY14 and out funds will be used for Engineering Change Proposals (ECPs) to address obsolescence issues, sustainment, and continued operation of installed AN/SPS-74 ADMs as well as eventual de-installation.		
[P3A - 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)]: Provides real-time valunumeric wind profiles, convective weather detection/display, and radar refractivity assessments from AN/SPY-1 radar returns. TEP will be an adjunct processor and display, tapping radar data from weather and refractivity data, with users able to access information through Secret Internet Protocol Router (SIPR). TEP installations began in FY13, are aligned with AEGIS Modernization in FY14 and will continue beyond the FYDP.		
[P3A - 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS]: DC018 AN/SPY-1 RM&A IMPROVEMENTS - These Reliability, Maintainability, and Availability (RM&A) improvements are intended to reduce cascading failures, mitigate obsolescence issues, and improve reliability in support of Anti-Air Warfare (AAW) and Ballistic Missile Defense (BMD) missions while still providing AN/SPY-1 Radar Total Ownership Cost (TOC) reductions. The improvements include, but are not limited to, installation for Sidewall Capacitor Circuit Protection and 10kW Traveling Wave Tube (TWT) Monitoring Circuits Ordnance Alterations (ORDALTS) starting in FY13 and Water Cooled Vane (WCV) to Double Duty (DD) conversion kits starting in FY16. AN/SPY-1 Pack Up Kits (PUKs) consist of long lead and high failure parts procured in FY14, then provided to and managed by Regional Maintenance Centers (RMCs). Solid State Switch Assemblies (SSSA) will be procured beginning in FY15 through replacement of legacy switch tube modulator deck ORDALT.		

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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 \$5 Million	P-40a		-	-	25.314	-	-	15.260	-	-	18.482	-	-	21.133	-	-	-	-	-	21.133
P-3a - 1 / DC001 - SPS-73 RADAR	P-3a		-	-	39.499	-	-	8.201	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	P-3a		-	-	152.364	-	-	36.202	-	-	37.426	-	-	9.179	-	-	-	-	-	9.179
P-3a - 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS	P-3a		-	-	18.060	-	-	0.520	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	P-3a		-	-	2.300	-	-	1.400	-	-	1.389	-	-	0.214	-	-	-	-	-	0.214
P-3a - 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS	P-3a		-	-	0.000	-	-	2.400	-	-	9.592	-	-	14.527	-	-	-	-	-	14.527
Total Gross/Weapon System Cost			-	-	237.537	-	-	63.983	-	-	66.889	-	-	45.053	-	-	-	-	-	45.053
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 \$5 Million	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / DC001 - SPS-73 RADAR	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.700
P-3a - 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	P-3a		-	-	23.717	-	-	26.541	-	-	21.081	-	-	19.541	-	-	87.575	-	-	413.626
P-3a - 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.580
P-3a - 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)	P-3a		-	-	1.005	-	-	1.381	-	-	1.493	-	-	1.490	-	-	14.451	-	-	25.123
P-3a - 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS	P-3a		-	-	15.115	-	-	27.023	-	-	52.414	-	-	31.681	-	-	203.140	-	-	355.892
Total Gross/Weapon System Cost			-	-	63.110	-	-	79.405	-	-	97.819	-	-	79.546	-	-	405.712	-	-	1,139.054
*For P-40as, Title represents the P40a Title. For the P-3a, Title represents the Modification Number / Title.																				

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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 02: Communications & Electronics Equip / BSA 10: Other Shore Electronic Equipment		P-1 Line Item Number / Title: 2980 / Items less than \$5 Million
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
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 / 02 / 10						P-1 Line Item Number / Title: 2980 / Items less than \$5 Million						Aggregated Items Title: Items less than \$5 Million									
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) DC004 CALIBRATION STANDARDS																					
1.1) CALIBRATION STANDARDS	A		77,107.44	121	9.330	52,580.65	62	3.260	23,744.57	184	4.369	14,503.73	268	3.887	-	-	-	14,503.73	268	3.887	
Subtotal: 1) DC004 CALIBRATION STANDARDS			-	-	9.330	-	-	3.260	-	-	4.369	-	-	3.887	-	-	-	-	-	3.887	
2) DC001 SPS-73 RADAR																					
2.1) TECH REFRESH (1)	A		248,918.03	61	15.184	352,272.73	22	7.750	254,217.39	23	5.847	512,363.64	22	11.272	-	-	-	512,363.64	22	11.272	
Subtotal: 2) DC001 SPS-73 RADAR			-	-	15.184	-	-	7.750	-	-	5.847	-	-	11.272	-	-	-	-	-	11.272	
3) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA																					
3.1) HARDWARE	A		-	-	-	-	-	-	495,000.00	2	0.990	491,500.00	2	0.983	-	-	-	491,500.00	2	0.983	
3.2) OTHER	A		-	-	0.800	-	-	0.700	-	-	0.108	-	-	0.108	-	-	-	-	-	0.108	
Subtotal: 3) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA			-	-	0.800	-	-	0.700	-	-	1.098	-	-	1.091	-	-	-	-	-	1.091	
4) DC020 DUAL BAND RADAR (DBR)																					
4.1) DBR PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	2.263	-	-	1.824	-	-	-	-	-	1.824	
4.2) DBR ENGINEERING CHANGE PROPOSALS (ECPS) (2)	A		-	-	-	-	-	-	-	-	1.000	-	-	2.363	-	-	-	-	-	2.363	
Subtotal: 4) DC020 DUAL BAND RADAR (DBR)			-	-	0.000	-	-	-	-	-	3.263	-	-	4.187	-	-	-	-	-	4.187	
5) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)																					
5.1) AN/SPS-67(V)5 MARITIME RADAR PROCESSOR	A		-	-	-	164,600.00	20	3.292	128,200.00	25	3.205	-	-	-	-	-	-	-	-	-	
Subtotal: 5) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)			-	-	0.000	-	-	3.292	-	-	3.205	-	-	-	-	-	-	-	-	-	
6) DC012 AN/SPS-74(V) PERISCOPE DETECTION RADAR																					
6.1) PRODUCTION SUPPORT	A		-	-	-	-	-	0.258	-	-	0.700	-	-	0.696	-	-	-	-	-	0.696	
Subtotal: 6) DC012 AN/SPS-74(V) PERISCOPE DETECTION RADAR			-	-	0.000	-	-	0.258	-	-	0.700	-	-	0.696	-	-	-	-	-	0.696	
Total			-	-	25.314	-	-	15.260	-	-	18.482	-	-	21.133	-	-	-	-	-	21.133	

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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 / 02 / 10						P-1 Line Item Number / Title: 2980 / Items less than \$5 Million								Aggregated Items Title: Items less than \$5 Million						
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) DC004 CALIBRATION STANDARDS																				
1.1) CALIBRATION STANDARDS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) DC004 CALIBRATION STANDARDS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) DC001 SPS-73 RADAR																				
2.1) TECH REFRESH (1)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) DC001 SPS-73 RADAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA																				
3.1) HARDWARE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) OTHER	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) DC019 RADAR RESTORATION AN/SPS-67 ANTENNA			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) DC020 DUAL BAND RADAR (DBR)																				
4.1) DBR PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) DBR ENGINEERING CHANGE PROPOSALS (ECPS) (2)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) DC020 DUAL BAND RADAR (DBR)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)																				
5.1) AN/SPS-67(V)5 MARITIME RADAR PROCESSOR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) DC021 AN/SPS-67(V)5 MARITIME RADAR PROCESSOR (MRP)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) DC012 AN/SPS-74(V) PERISCOPE DETECTION RADAR																				
6.1) PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) DC012 AN/SPS-74(V) PERISCOPE DETECTION RADAR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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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 / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Aggregated Items Title: Items less than \$5 Million
Footnotes: ⁽¹⁾ In FY13-16, the program will continue procurement of AN/SPS-73 Tech Refresh kits for all remaining previously procured AN/SPS-73 Radars. In FY15-16, the program will fund the non-recurring cost for a Next Generation Commercial Off The Shelf (COTS) Replacement Radar, as the current Tech Refresh kit was procured beginning in FY10. Non-recurring cost has been amortized across units being procured resulting in a fluctuation in unit cost. In FY16 and beyond, the program will procure the updated Next Generation COTS Replacement Radars. ⁽²⁾ ECP funding for DBR will commence in FY14 to fix issues identified during integration testing. Production support funding is needed for parts obsolescence and life cycle products and sustainment of the system. Changes identified during testing will need to be implemented in the production systems, post CVN 78 and DDG 1000 ship delivery in FY14 and FY15. In order to implement necessary engineering changes and support production of those changes in FY14/15, funding is required beginning in FY14.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 1 / DC001 - SPS-73 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>	39.499	8.201	-	-	-	-	-	-	-	-	-	47.700
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	39.499	8.201	-	-	-	-	-	-	-	-	-	47.700
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	39.499	8.201	-	-	-	-	-	-	-	-	-	47.700
<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 AN/SPS-73(V)12 Program Of Record (POR) radar systems were procured with prior year Congressional Plus Up funding and are staged awaiting installations in all USN vessels with the exception of FFG/MHC class ships. The SPS-73(V)12 systems are required for safety of navigation to replace the aging LN-66, AN/SPS-55 and AN/SPS-64 radars and Bridgemaster (BME) systems. These installations are imperative to eliminate the supportability issues and decreased availability being experienced with the previously installed systems. These installations are also necessary to reduce the number of radar configurations in the fleet and are required to align with the Fleet Modernization Program (FMP) plan.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2980 / Items less than \$5 Million				Modification Number / Title: 1 / DC001 - SPS-73 RADAR					
Models of Systems Affected: AN/SPS-73			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: DC001 - SPS-73 RADAR													
B Kits													
Recurring													
1.1.1) SPS-73 SYSTEMS - NonOrganic	83 / 18.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	83 / 18.452	
Subtotal: Recurring	- / 18.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.452	
Subtotal: DC001 - SPS-73 RADAR	83 / 18.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	83 / 18.452	
Subtotal: Procurement, All Modification Items	- / 18.452	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.452	
Installation													
Modification Item 1 of 1: DC001 - SPS-73 RADAR	- / 21.047	- / 8.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.248	
Subtotal: Installation	- / 21.047	- / 8.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 29.248	
Total													
Total Cost (Procurement + Support + Installation)	39.499	8.201	-	-	-	-	-	-	-	-	-	47.700	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										Modification Number / Title: 1 / DC001 - SPS-73 RADAR											
Modification Item 1 of 1: DC001 - SPS-73 RADAR																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Raytheon															Manufacturer Location: >Portsmouth, RI																
Administrative Leadtime <i>(in Months)</i> : 0															Production Leadtime <i>(in Months)</i> : 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: [none specified] : Installation Name: SPS-73 SYSTEMS																															
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 / 21.047		21 / 8.201		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		83 / 29.248					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		62 / 21.047		21 / 8.201		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		83 / 29.248					
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	3	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83
Out	62	-	1	3	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	83

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 2 / DC009 - AN/SPS-48G RADAR OBSCOLESCENCE AND AVAILABILITY RECOVERY (ROAR)

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>)	152.364	36.202	37.426	9.179	-	9.179	23.717	26.541	21.081	19.541	87.575	413.626
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	152.364	36.202	37.426	9.179	-	9.179	23.717	26.541	21.081	19.541	87.575	413.626
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	152.364	36.202	37.426	9.179	-	9.179	23.717	26.541	21.081	19.541	87.575	413.626
(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 AN/SPS-48G 3-D Air Surveillance Radar is a follow-on to the existing AN/SPS-48E onboard Aircraft Carriers and large-deck Amphibious ships. AN/SPS-48G was initiated in response to Fleet complaints regarding AN/SPS-48E reliability and supportability. Upgrade of the AN/SPS-48E with the AN/SPS-48G remains a high Fleet priority as it will reduce Operation and Support (O&S) costs and improve Operational Availability. Both factors are cited by the Fleet as unsatisfactory for the AN/SPS-48E. The goal is to replace the AN/SPS-48E as rapidly as possible so the Fleet can realize these cost savings. Current efforts include the manufacturing of the AN/SPS-48G upgrade kits with associated production support as well as modifications to the AN/SPS-48G brought about by initial Fleet introduction and Fleet operations. Production lead time is 24 months for the initial unit with subsequent units delivered at two month intervals after initial delivery. Equipment delivery for installation is required thirty days prior to FMP availability start in accordance with Navy Modernization Process Management. Engineering Change Order funding is included to address Fleet recommended modifications/ requirements. FY13 and beyond Engineering Change Proposal funding is to initiate incorporation of High Diver Detection and Tracking functionality. This capability was designed and incorporated into the AN/SPS-48E after design of the AN/SPS-48G had been initiated. This change now needs to be translated into the different hardware and software architectures of the AN/SPS-48G.

[AN/SPS-48G HARDWARE - FMP]

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2980 / Items less than \$5 Million				Modification Number / Title: 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)					
Models of Systems Affected: AN/SPS-48G				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: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)													
B Kits													
Recurring													
1.1.1) AN/SPS-48G HARDWARE - FMP - NonOrganic (3)	9 / 59.752	3 / 20.700	3 / 21.975	- / -	- / -	- / -	1 / 11.575	3 / 23.326	1 / 12.384	1 / 12.586	4 / 40.000	25 / 202.298	
1.1.2) EQUIPMENT NONRECURRING - Organic	- / 10.189	- / 1.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.191	
1.1.3) ENGINEERING CHANGE PROPOSALS - Organic (4)	- / -	- / 2.700	- / 2.545	- / 1.282	- / -	- / 1.282	- / 2.225	- / 0.905	- / 2.107	- / 0.304	- / 5.700	- / 17.768	
1.1.4) ENGINEERING CHANGE ORDERS - Organic (5)	- / 44.700	- / 2.300	- / 2.050	- / 1.000	- / -	- / 1.000	- / 0.994	- / -	- / 0.962	- / -	- / -	- / 52.006	
1.1.5) AN/SPS-48G HARDWARE - NON-FMP - NonOrganic	2 / 12.973	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 18.000	4 / 30.973	
Subtotal: Recurring	- / 127.614	- / 26.702	- / 26.570	- / 2.282	- / -	- / 2.282	- / 14.794	- / 24.231	- / 15.453	- / 12.890	- / 63.700	- / 314.236	
Subtotal: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	11 / 127.614	3 / 26.702	3 / 26.570	- / 2.282	- / -	- / 2.282	1 / 14.794	3 / 24.231	1 / 15.453	1 / 12.890	6 / 63.700	29 / 314.236	
Subtotal: Procurement, All Modification Items	- / 127.614	- / 26.702	- / 26.570	- / 2.282	- / -	- / 2.282	- / 14.794	- / 24.231	- / 15.453	- / 12.890	- / 63.700	- / 314.236	
Support (All Modification Items)													
2.1) PRODUCTION SUPPORT	- / 14.000	- / 2.300	- / 1.870	- / 1.147	- / -	- / 1.147	- / 1.423	- / 1.410	- / 1.303	- / 1.001	- / 4.200	- / 28.654	
Subtotal: Support	- / 14.000	- / 2.300	- / 1.870	- / 1.147	- / -	- / 1.147	- / 1.423	- / 1.410	- / 1.303	- / 1.001	- / 4.200	- / 28.654	
Installation													
Modification Item 1 of 1: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)	- / 10.750	- / 7.200	- / 8.986	- / 5.750	- / -	- / 5.750	- / 7.500	- / 0.900	- / 4.325	- / 5.650	- / 19.675	- / 70.736	
Subtotal: Installation	- / 10.750	- / 7.200	- / 8.986	- / 5.750	- / -	- / 5.750	- / 7.500	- / 0.900	- / 4.325	- / 5.650	- / 19.675	- / 70.736	
Total													
Total Cost (Procurement + Support + Installation)	152.364	36.202	37.426	9.179	-	9.179	23.717	26.541	21.081	19.541	87.575	413.626	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)

Modification Item 1 of 1: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: ITT/Exelis	Manufacturer Location: >VAN NUYS, CA
Administrative Leadtime (in Months): 0	Production Leadtime (in Months): 24

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Jun 2014		Mar 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates	Jun 2015	Jun 2016		Mar 2018	Mar 2019	Mar 2020	Mar 2021

Installation Information

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

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 / 8.550	4 / 7.200	3 / 4.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 20.050
FY 2013	- / -	- / -	- / 2.520	1 / 3.200	- / -	1 / 3.200	2 / 3.000	- / -	- / -	- / -	- / -	3 / 8.720
FY 2014	- / -	- / -	- / -	- / 2.550	- / -	- / 2.550	3 / 4.500	- / -	- / -	- / -	- / -	3 / 7.050
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.900	1 / 1.550	- / -	- / -	1 / 2.450
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.775	3 / 4.725	- / -	3 / 7.500
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.925	1 / 1.575	1 / 2.500
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.500	1 / 2.500
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 10.200	4 / 10.200
Total	2 / 8.550	4 / 7.200	3 / 6.820	1 / 5.750	- / -	1 / 5.750	5 / 7.500	- / 0.900	1 / 4.325	3 / 5.650	6 / 14.275	25 / 60.970

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	-	-	-	3	-	-	1	-	2	-	1	2	-	-	-	-	-	-	-	1	-	1	1	1	6	25
Out	1	-	1	-	-	1	-	1	2	-	-	-	3	1	-	2	-	1	2	-	-	-	-	-	-	-	-	1	1	8	25

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 2 / DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)

Modification Item 1 of 1: DC009 - AN/SPS-48G RADAR OBSOLESCENCE AND AVAILABILITY RECOVERY (ROAR)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: AN/SPS-48G HARDWARE - NON-FMP

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 / 2.200	- / -	1 / 2.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.366
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.400	2 / 5.400
Total	1 / 2.200	- / -	1 / 2.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 5.400	4 / 9.766

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	3	
Out	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	3	

Footnotes:

(3) The unit cost increase for the AN/SPS-48G Hardware Procurement from FY13 to FY14 is due to the inclusion of funding for the refurbishment of a pair of Cross Field Amplifiers as well as the procurement of one Battle Field Tactical Trainer kit per AN/SPS-48G unit. The unit cost increase from FY14 to FY16 is due to the quantity decrease from three to one unit. FY13 procured units will be delivered starting in June 2015 for installation in ship availabilities which begin in 3rd quarter FY15.

(4) FY13 and beyond Engineering Change Proposal funding is to incorporate High Diver Detection and Tracking functionality. This capability was designed and incorporated into the AN/SPS-48E after design of the AN/SPS-48G had been initiated. This change now needs to be translated into the different hardware and software architectures of the AN/SPS-48G.

(5) Engineering Change Orders (ECOs) will provide for Fleet recommended modifications and requirements. ECO funding will be required to address Information Assurance (IA) efforts including a change to a more secure operating system which must be accomplished in order to receive IA recertification. Non-recurring engineering and interoperability testing of this operating system change will take place in FY13-14, with initial fielding in FY15.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS

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>)	18.060	0.520	-	-	-	-	-	-	-	-	-	18.580
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	18.060	0.520	-	-	-	-	-	-	-	-	-	18.580
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	18.060	0.520	-	-	-	-	-	-	-	-	-	18.580
<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 funding continues and executes efforts funded under the Radar Improvement Program. This program addresses already realized obsolescence, cost, reliability and maintainability issues raised by the fleet for the AN/SPS-49(V) air search radar, initially introduced in the Navy in the 1970's. These funds support the completion of the AN/SPS-49 Solid State Modulator (SSM) program and provide funding to begin addressing serious obsolescence issues throughout the radar including already obsolete Circuit Card Assemblies (CCAs) and other electrical components, and ongoing reliability problems in the transmitter. An upgrade to the existing LHD 1 AN/SPS-49(V)5 radar is required for interoperability with the Ship Self Defense System (SSDS) MK II, and the current AN/SPS-49(V)5 radar will not support the CAPSTONE Combat System being installed aboard LHD 1. The SSM effort replaces the current modulator to address obsolescence and Unable to Procure (UTP) issues associated with the modulator installed in the AN/SPS-49(V) radar. This program also installs a previously procured AN/SPS-49A(V)1 Medium Pulse Upgrade (MPU) Kit on the existing AN/SPS-49(V)5 radar aboard LHD 1 required as part of the planned CAPSTONE upgrade to the LHD 1 Combat System. Without this upgrade, the SPS-49 will not be able to operate with the Ship Self Defense System (SSDS) being installed as part of CAPSTONE.

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10					P-1 Line Item Number / Title: 2980 / Items less than \$5 Million					Modification Number / Title: 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS			
Models of Systems Affected: AN/SPS-49					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> DC010 - AN/SPS-49 IN-SERVICE RADARS													
B Kits													
Recurring													
1.1.1) HARDWARE - FMP - NonOrganic	28 / 7.481	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 7.481	
1.1.2) OTHER - Organic	- / 3.340	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.340	
1.1.3) HARDWARE - NON-FMP - NonOrganic	5 / 0.938	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.938	
1.1.4) ENGINEERING CHANGE PROPOSALS (ECPS) - NonOrganic	- / 0.001	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.001	
<i>Subtotal: Recurring</i>	- / 11.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.760	
<i>Subtotal: DC010 - AN/SPS-49 IN-SERVICE RADARS</i>	33 / 11.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	33 / 11.760	
<i>Subtotal: Procurement, All Modification Items</i>	- / 11.760	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 11.760	
Installation													
<i>Modification Item 1 of 1:</i> DC010 - AN/SPS-49 IN-SERVICE RADARS													
<i>Subtotal: Installation</i>	- / 6.300	- / 0.520	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.820	
Total													
Total Cost (Procurement + Support + Installation)	18.060	0.520	-	-	-	-	-	-	-	-	-	18.580	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										Modification Number / Title: 3 / DC010 - AN/SPS-49 IN-SERVICE RADARS											
Modification Item 1 of 1: DC010 - AN/SPS-49 IN-SERVICE RADARS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: POLARITY, INC															Manufacturer Location: >RANCHO CORDOVA, CA																
Administrative Leadtime (in Months): 0															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: Hardware																															
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		32 / 6.300		1 / 0.520		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 6.820							
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -							
Total		32 / 6.300		1 / 0.520		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		33 / 6.820							
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	32	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33
Out	32	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)

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)	2.300	1.400	1.389	0.214	-	0.214	1.005	1.381	1.493	1.490	14.451	25.123
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	2.300	1.400	1.389	0.214	-	0.214	1.005	1.381	1.493	1.490	14.451	25.123
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	2.300	1.400	1.389	0.214	-	0.214	1.005	1.381	1.493	1.490	14.451	25.123
(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:

Provides real-time valunumeric wind profiles, convective weather detection/display, and radar refractivity assessments from AN/SPY-1 radar returns. TEP will be an adjunct processor and display, tapping radar data from weather and refractivity data, with users able to access information through Secret Internet Protocol Router (SIPR). TEP installations began in FY13, are aligned with AEGIS Modernization in FY14 and will continue beyond the FYDP.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10				P-1 Line Item Number / Title: 2980 / Items less than \$5 Million				Modification Number / Title: 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)					
Models of Systems Affected: TACTICAL ENVIRONMENTAL PROCESSOR (TEP)				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: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)													
B Kits													
Recurring													
1.1.1) DDG HARDWARE - FMP - NonOrganic ⁽⁶⁾		1 / 0.345	- / -	2 / 0.725	- / -	- / -	- / -	1 / 0.375	2 / 0.763	2 / 0.780	3 / 1.192	24 / 10.501	35 / 14.681
1.1.2) DDG COTS REFRESH - Organic		- / -	- / -	- / -	- / -	- / -	- / -	- / 0.085	- / 0.170	- / 0.085	- / -	- / -	- / 0.340
1.1.3) PRODUCTION SUPPORT - Organic		- / 1.456	- / 1.255	- / 0.559	- / -	- / -	- / -	- / 0.545	- / 0.337	- / 0.401	- / 0.068	- / 0.700	- / 5.321
1.1.4) TEP SHORE SITES HARDWARE - NonOrganic		3 / 0.499	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.499
Subtotal: Recurring		- / 2.300	- / 1.255	- / 1.284	- / -	- / -	- / -	- / 1.005	- / 1.270	- / 1.266	- / 1.260	- / 11.201	- / 20.841
Subtotal: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)		4 / 2.300	- / 1.255	2 / 1.284	- / -	- / -	- / -	1 / 1.005	2 / 1.270	2 / 1.266	3 / 1.260	24 / 11.201	38 / 20.841
Subtotal: Procurement, All Modification Items		- / 2.300	- / 1.255	- / 1.284	- / -	- / -	- / -	- / 1.005	- / 1.270	- / 1.266	- / 1.260	- / 11.201	- / 20.841
Installation													
Modification Item 1 of 1: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)		- / 0.000	- / 0.145	- / 0.105	- / 0.214	- / -	- / 0.214	- / -	- / 0.111	- / 0.227	- / 0.230	- / 3.250	- / 4.282
Subtotal: Installation		- / 0.000	- / 0.145	- / 0.105	- / 0.214	- / -	- / 0.214	- / -	- / 0.111	- / 0.227	- / 0.230	- / 3.250	- / 4.282
Total													
Total Cost (Procurement + Support + Installation)		2.300	1.400	1.389	0.214	-	0.214	1.005	1.381	1.493	1.490	14.451	25.123

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										Modification Number / Title: 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)											
Modification Item 1 of 1: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: BASIC COMMERCE AND INDUSTRIES, INC															Manufacturer Location: >MOORESTOWN, NJ																
Administrative Leadtime <i>(in Months)</i> : 0															Production Leadtime <i>(in Months)</i> : 11																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates						Feb 2014								Dec 2015				Dec 2016				Dec 2017				Dec 2018					
Delivery Dates						Jan 2015								Nov 2016				Nov 2017				Nov 2018				Nov 2019					
Installation Information																															
Method of Implementation: AIT : Installation Name: DDG HARDWARE - FMP																															
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 / 0.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.105																		
FY 2013		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2014		- / -	- / -	- / -	2 / 0.214	- / -	2 / 0.214	- / -	- / -	- / -	- / -	- / -	2 / 0.214																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.111	- / -	- / -	- / -	1 / 0.111																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.227	- / -	- / -	2 / 0.227																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.230	- / -	2 / 0.230																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.360	3 / 0.360																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 2.890	24 / 2.890																		
Total		- / -	- / -	1 / 0.105	2 / 0.214	- / -	2 / 0.214	- / -	1 / 0.111	2 / 0.227	2 / 0.230	27 / 3.250	35 / 4.137																		
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	-	-	-	-	-	-	-	1	-	-	-	1	1	-	-	1	1	27	35
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	-	-	-	-	-	-	-	1	-	-	-	1	1	29	35

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 5 / DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)

Modification Item 1 of 1: DC015 - TACTICAL ENVIRONMENTAL PROCESSOR (TEP)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: TEP SHORE SITES HARDWARE

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 / 0.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.145
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	3 / 0.145	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.145

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	-	-	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3

Footnotes:

⁽⁶⁾ Due to rephasing of program, FY11 procured unit will be installed on DDG-51 in FY14.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A 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	2.400	9.592	14.527	-	14.527	15.115	27.023	52.414	31.681	203.140	355.892
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	2.400	9.592	14.527	-	14.527	15.115	27.023	52.414	31.681	203.140	355.892
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	2.400	9.592	14.527	-	14.527	15.115	27.023	52.414	31.681	203.140	355.892
<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:

DC018 AN/SPY-1 RM&A IMPROVEMENTS - These Reliability, Maintainability, and Availability (RM&A) improvements are intended to reduce cascading failures, mitigate obsolescence issues, and improve reliability in support of Anti-Air Warfare (AAW) and Ballistic Missile Defense (BMD) missions while still providing AN/SPY-1 Radar Total Ownership Cost (TOC) reductions. The improvements include, but are not limited to, installation for Sidewall Capacitor Circuit Protection and 10kW Traveling Wave Tube (TWT) Monitoring Circuits Ordnance Alterations (ORDALTS) starting in FY13 and Water Cooled Vane (WCV) to Double Duty (DD) conversion kits starting in FY16. AN/SPY-1 Pack Up Kits (PUKs) consist of long lead and high failure parts procured in FY14, then provided to and managed by Regional Maintenance Centers (RMCs). Solid State Switch Assemblies (SSSA) will be procured beginning in FY15 through replacement of legacy switch tube modulator deck ORDALT.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10			P-1 Line Item Number / Title: 2980 / Items less than \$5 Million					Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS				
Models of Systems Affected: AN/SPY-1 RM&A IMPROVEMENTS			Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604501N					
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: DC018 - AN/SPY-1 RM&A IMPROVEMENTS												
B Kits												
Recurring												
1.1) SIDEWALL AND 10KW TWT DDG HARDWARE - NonOrganic ⁽⁷⁾	- / -	12 / 1.104	9 / 1.270	16 / 2.247	- / -	16 / 2.247	3 / 0.467	8 / 1.177	8 / 1.258	6 / 0.921	- / -	62 / 8.444
1.2) PACK UP KITS - Organic	- / -	- / -	3 / 5.102	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.102
1.3) PRODUCTION SUPPORT - Organic	- / -	- / 0.078	- / 0.540	- / 0.432	- / -	- / 0.432	- / 0.623	- / 0.743	- / 1.926	- / 1.695	- / 3.779	- / 9.816
1.4) SIDEWALL AND 10KW TWT CG HARDWARE - NonOrganic	- / -	- / -	8 / 2.124	2 / 0.555	- / -	2 / 0.555	- / -	- / -	- / -	- / -	- / -	10 / 2.679
1.5) SIDEWALL AND 10KW TWT SHORE SITE HARDWARE - NonOrganic	- / -	8 / 1.172	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.172
1.6) WATER COOLED VANE (WCV) TO DOUBLE DUTY CONVERSION KITS - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.319	- / -	- / -	- / -	28 / 73.135	29 / 75.454
1.7) SOLID STATE SWITCH ASSEMBLY DDG HARDWARE - NonOrganic	- / -	- / -	- / -	1 / 2.674	- / -	1 / 2.674	1 / 2.580	8 / 20.450	11 / 27.980	9 / 22.970	38 / 94.040	68 / 170.694
1.8) SOLID STATE SWITCH ASSEMBLY SHORE SITE HARDWARE - NonOrganic	- / -	- / -	- / -	2 / 5.347	- / -	2 / 5.347	1 / 2.480	1 / 2.560	2 / 5.090	- / -	- / -	6 / 15.477
1.9) SOLID STATE SWITCH ASSEMBLY SPARES - NonOrganic ⁽⁸⁾	- / -	- / -	- / -	7 / 2.340	- / -	7 / 2.340	18 / 5.810	2 / 0.640	8 / 2.500	6 / 1.910	15 / 4.613	56 / 17.813
1.10) SOLID STATE SWITCH ASSEMBLY FINAL POWER AMPLIFIER ENV/QUAL - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 12.600	- / -	- / -	1 / 12.600
Subtotal: Recurring	- / 0.000	- / 2.354	- / 9.036	- / 13.595	- / -	- / 13.595	- / 14.279	- / 25.570	- / 51.354	- / 27.496	- / 175.567	- / 319.251
Subtotal: DC018 - AN/SPY-1 RM&A IMPROVEMENTS	- / -	20 / 2.354	20 / 9.036	28 / 13.595	- / -	28 / 13.595	24 / 14.279	19 / 25.570	30 / 51.354	21 / 27.496	81 / 175.567	243 / 319.251
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.354	- / 9.036	- / 13.595	- / -	- / 13.595	- / 14.279	- / 25.570	- / 51.354	- / 27.496	- / 175.567	- / 319.251
Installation												
Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS	- / 0.000	- / 0.046	- / 0.556	- / 0.932	- / -	- / 0.932	- / 0.836	- / 1.453	- / 1.060	- / 4.185	- / 27.573	- / 36.641
Subtotal: Installation	- / 0.000	- / 0.046	- / 0.556	- / 0.932	- / -	- / 0.932	- / 0.836	- / 1.453	- / 1.060	- / 4.185	- / 27.573	- / 36.641
Total												
Total Cost (Procurement + Support + Installation)	0.000	2.400	9.592	14.527	-	14.527	15.115	27.023	52.414	31.681	203.140	355.892

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS											
Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: RAYTHEON ⁽⁹⁾														Manufacturer Location: >SUDBURY, MA																	
Administrative Leadtime (in Months): 0														Production Leadtime (in Months): 24																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates		Dec 2012				Feb 2014				Nov 2014				Nov 2015				Nov 2016				Nov 2017				Nov 2018					
Delivery Dates		Sep 2013				Nov 2014				Nov 2016				Nov 2017				Nov 2018				Nov 2019				Nov 2020					
Installation Information																															
Method of Implementation: AIT : Installation Name: SIDEWALL AND 10KW TWT DDG HARDWARE																															
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		- / -	- / -		12 / 0.525		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		12 / 0.525						
FY 2014		- / -	- / -		- / -		9 / 0.311		- / -		9 / 0.311		- / -		- / -		- / -		- / -		- / -		- / -		9 / 0.311						
FY 2015		- / -	- / -		- / -		- / -		- / -		- / -		16 / 0.602		- / -		- / -		- / -		- / -		- / -		16 / 0.602						
FY 2016		- / -	- / -		- / -		- / -		- / -		- / -		1 / 0.075		2 / 0.092		- / -		- / -		- / -		- / -		3 / 0.167						
FY 2017		- / -	- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.122		4 / 0.124		- / -		- / -		- / -		8 / 0.246						
FY 2018		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.094		6 / 0.093		- / -		- / -		8 / 0.187						
FY 2019		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.222		- / -		- / -		6 / 0.222						
To Complete		- / -	- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -	- / -		12 / 0.525		9 / 0.311		- / -		9 / 0.311		17 / 0.677		6 / 0.214		6 / 0.218		12 / 0.315		- / -		- / -		62 / 2.260						
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	-	-	-	-	-	-	2	6	4	-	3	6	-	5	3	8	1	-	-	2	4	2	-	2	2	1	3	2	6	-	62
Out	-	-	-	-	-	-	2	6	4	-	3	6	-	5	3	8	1	-	-	2	4	2	-	2	2	1	3	2	6	-	62

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: SEWALL AND 10KW TWT CG HARDWARE

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	- / -	- / -	- / -	8 / 0.621	- / -	8 / 0.621	- / -	- / -	- / -	- / -	- / -	8 / 0.621
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.138	- / -	- / -	- / -	- / -	2 / 0.138
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	8 / 0.621	- / -	8 / 0.621	2 / 0.138	- / -	- / -	- / -	- / -	10 / 0.759

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	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	-	-	-	-	-	-	-	-	-	2	2	4	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

Method of Implementation: AIT : Installation Name: SEWALL AND 10KW TWT SHORE SITE HARDWARE

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	- / -	4 / 0.046	4 / 0.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.077
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: AIT : Installation Name: SEAWALL AND 10KW TWT SHORE SITE HARDWARE

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)
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	4 / 0.046	4 / 0.031	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 0.077

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	-	-	-	-	4	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Method of Implementation: [none specified] : Installation Name: WATER COOLED VANE (WCV) TO DOUBLE DUTY CONVERSION KITS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)	Qty (Each) / Total Cost (\$ M)
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.021	- / -	- / -	- / -	- / -	1 / 0.021
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 0.663	28 / 0.663
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.021	- / -	- / -	- / -	28 / 0.663	29 / 0.684

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10										P-1 Line Item Number / Title: 2980 / Items less than \$5 Million										Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS											
Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: WATER COOLED VANE (WCV) TO DOUBLE DUTY CONVERSION 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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	28	29
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	28	29
Method of Implementation: [none specified] : Installation Name: SOLID STATE SWITCH ASSEMBLY DDG HARDWARE																															
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 / 0.410	- / -	- / -	- / -	1 / 0.410																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.420	- / -	- / -	1 / 0.420																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 3.440	- / -	8 / 3.440																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / 4.810	- / -	11 / 4.810																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 4.010	- / -	9 / 4.010																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	38 / 17.220	- / -	38 / 17.220																		
Total		- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.410	1 / 0.420	8 / 3.440	58 / 26.040	68 / 30.310																		
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	3	2	1	58	68
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	1	-	-	-	2	3	2	1	58	68

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 10	P-1 Line Item Number / Title: 2980 / Items less than \$5 Million	Modification Number / Title: 6 / DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item 1 of 1: DC018 - AN/SPY-1 RM&A IMPROVEMENTS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: SOLID STATE SWITCH ASSEMBLY SHORE SITE HARDWARE

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 / 0.829	- / -	- / -	- / -	2 / 0.829
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.422	- / -	- / -	1 / 0.422
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.430	- / -	1 / 0.430
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.870	2 / 0.870
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.829	1 / 0.422	1 / 0.430	2 / 0.870	6 / 2.551

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

Method of Implementation (Organic): Organic - PACK UP KITS

Installation Quantity: 3

Footnotes:

(7) Sidewall Capacitor ORDALT is not required for all CGs. The 10KW TWT ORDALT is not required for those destroyers undergoing AEGIS modernization with ORDALT 8778, but those ships still require the sidewall capacitor ORDALT in FY15.

(8) Solid State Switch Assembly Spares include initial spares and INCOs which are required for installations.

(9) Production lead time for the Solid State Switch Assembly (SSSA) is 24 months. Production lead time for the Water Cooled Vane (WCV) to Double Duty Conversion Kits is 12 months. Production lead time for Sidewall and 10KW TWT Hardware is 9 months.

UNCLASSIFIED

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

Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 02: Communications & Electronics Equip / BSA 11: Shipboard Communications	P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms

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	-	-	14.410	-	14.410	32.324	39.273	55.308	66.363	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	14.410	-	14.410	32.324	39.273	55.308	66.363	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	14.410	-	14.410	32.324	39.273	55.308	66.363	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>)	-	0.189	-	-	-	-	-	-	-	-	-	0.189
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:

[P3A / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)]: DMR MUOS - is a four-channel software defined radio that provides satellite communications, Line of Sight (LOS) and High Frequency (HF), Very High Frequency (VHF) and Ultra High Frequency (UHF) communication capability to surface, submarine, and shore facilities. This variant includes the Integrated Waveform (IW) capability and allows for the use of the MUOS waveform.

[P3A - 2 / (DN 111) DMR MUOS Upgrade Kits]: DMR MUOS Upgrade Kits - this upgrade kit provides hardware and software to upgrade existing fielded DMR systems to include the Integrated Waveform (IW) capability and allow for the use of the MUOS waveform.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
Item - 1 / Shipboard Tactical Comms	P-5		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	6.245	-	-	-	-	-	6.245
P-3a - 2 / (DN 111) DMR MUOS Upgrade Kits	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	8.165	-	-	-	-	-	8.165
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	14.410	-	-	-	-	-	14.410

UNCLASSIFIED

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy													Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 02: Communications & Electronics Equip / BSA 11: Shipboard Communications										P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms										
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)
Item - 1 / Shipboard Tactical Comms	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)	P-3a		-	-	19.483	-	-	23.900	-	-	36.242	-	-	64.144	Continuing			Continuing		
P-3a - 2 / (DN 111) DMR MUOS Upgrade Kits	P-3a		-	-	12.588	-	-	12.506	-	-	8.193	-	-	2.219	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	32.324	-	-	39.273	-	-	55.308	-	-	66.363	Continuing			Continuing		
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																				
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																				

Justification:

FY15 funding provides for the procurement of 44 MUOS upgrade kits and six (6) MUOS capable DMR systems. There is 24 months lead time for the DMR system which includes three (3) months integration, assembly and test time; FY15 procurements will start installs in FY17. There is 12 months lead time for the DMR MUOS Upgrade Kits; FY15 procurements will start installs in FY16.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms						Item Number / Title [DODIC]: 1 / Shipboard Tactical Comms									
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	-	-	-	-	-	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		0.000	-	-	-	-	-	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		0.000	-	-	-	-	-	-	-	-	-	-	-						
(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 Thousands)</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 (\$ 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)
Flyaway - Shipboard Tactical Comms Cost																			
Recurring Cost																			
1.1.1) DMR HF ALE Procurement		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - Shipboard Tactical Comms Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - INSTALLATION Cost																			
Recurring Cost																			
2.1.1) DMR HF ALE Installation FMP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - INSTALLATION Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - DN555 Production Support Cost																			
3.1) DMR HF ALE Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - DN555 Production Support Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - DN777 DSA/PRE Shore Installation Design Cost																			
4.1) DMR HF ALE DSA/ Pre Shore Installation		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11							P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms							Item Number / Title [DODIC]: 1 / Shipboard Tactical Comms					
Cost Elements	ID CD	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)
Subtotal: Support - DN777 DSA/PRE Shore Installation Design Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cost Elements	ID CD	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)
Flyaway - Shipboard Tactical Comms Cost																			
Recurring Cost																			
1.1.1) DMR HF ALE Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - Shipboard Tactical Comms Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway - INSTALLATION Cost																			
Recurring Cost																			
2.1.1) DMR HF ALE Installation FMP		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Flyaway - INSTALLATION Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - DN555 Production Support Cost																			
3.1) DMR HF ALE Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - DN555 Production Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - DN777 DSA/PRE Shore Installation Design Cost																			
4.1) DMR HF ALE DSA/ Pre Shore Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - DN777 DSA/PRE Shore Installation Design Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms	Modification Number / Title: 1 / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)

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	-	-	6.245	-	6.245	19.483	23.900	36.242	64.144	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	6.245	-	6.245	19.483	23.900	36.242	64.144	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	6.245	-	6.245	19.483	23.900	36.242	64.144	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Digital Modular Radio Mobile User Objective System (DMR MUOS) - is a four-channel software defined radio that provides satellite communications, Line of Sight (LOS) and High Frequency (HF), Very High Frequency (VHF) and Ultra High Frequency (UHF) communication capability to surface, submarine, and shore facilities. This variant includes the Integrated Waveform (IW) capability and allows for the use of the MUOS waveform.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms				Modification Number / Title: 1 / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)					
Models of Systems Affected: AN/USC-61(C)				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604280N					
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: (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)													
B Kits													
Recurring													
1.1.1) DMR MUOS Procurement - NonOrganic ⁽¹⁾	- / -	- / -	- / -	6 / 5.880	- / -	6 / 5.880	18 / 18.169	18 / 18.714	23 / 24.630	48 / 52.944	- / -	113 / 120.337	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 5.880	- / -	- / 5.880	- / 18.169	- / 18.714	- / 24.630	- / 52.944	- / -	- / 120.337	
Subtotal: (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)	- / -	- / -	- / -	6 / 5.880	- / -	6 / 5.880	18 / 18.169	18 / 18.714	23 / 24.630	48 / 52.944	- / -	113 / 120.337	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 5.880	- / -	- / 5.880	- / 18.169	- / 18.714	- / 24.630	- / 52.944	- / -	- / 120.337	
Support (All Modification Items)													
2.1) DMR MUOS Production Support	- / 0.000	- / -	- / -	- / 0.365	- / -	- / 0.365	- / 0.698	- / 0.437	- / 0.884	- / 0.529	Continuing	Continuing	
2.2) DMR MUOS DSA	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 0.616	- / 2.013	- / 2.484	- / 2.391	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 0.365	- / -	- / 0.365	- / 1.314	- / 2.450	- / 3.368	- / 2.920	Continuing	Continuing	
Installation													
Modification Item 1 of 1: (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.736	- / 8.244	- / 8.280	- / -	- / 19.260	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.736	- / 8.244	- / 8.280	- / -	- / 19.260	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	6.245	-	6.245	19.483	23.900	36.242	64.144	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms	Modification Number / Title: 1 / (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)

Modification Item 1 of 1: (DN 110) Digital Modular Radio (DMR) Mobile User Objective System (MUOS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: General Dynamics	Manufacturer Location: >Scottsdale, Arizona
Administrative Leadtime (in Months): 7	Production Leadtime (in Months): 21

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			May 2015	Jan 2016	Jan 2017	Jan 2018	Jan 2019
Delivery Dates			Feb 2017	Sep 2017	Sep 2018	Sep 2019	Sep 2020

Installation Information

Method of Implementation: [none specified] : Installation Name: DMR MUOS 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.736	- / -	- / -	- / -	6 / 2.736
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 8.244	- / -	- / -	18 / 8.244
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 8.280	- / -	18 / 8.280
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	23 / -	23 / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	48 / -	48 / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 2.736	18 / 8.244	18 / 8.280	71 / -	113 / 19.260

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	1	9	9	-	-	10	8	-	71	113
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	4	10	9	-	-	10	8	-	71	113

Footnotes:
⁽¹⁾ There is 24 months lead time for the DMR system which includes three (3) months integration, assembly and test time; FY15 procurements will start installs in FY17.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms					Modification Number / Title: 2 / (DN 111) DMR MUOS Upgrade 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>	0.000	-	-	8.165	-	8.165	12.588	12.506	8.193	2.219	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	-	-	8.165	-	8.165	12.588	12.506	8.193	2.219	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	-	-	8.165	-	8.165	12.588	12.506	8.193	2.219	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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Digital Modular Radio Mobile User Objective System (DMR MUOS) Upgrade Kits - this upgrade kit provides hardware and software to upgrade existing fielded DMR systems to include the Integrated Waveform (IW) capability and allow for the use of the MUOS waveform.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms				Modification Number / Title: 2 / (DN 111) DMR MUOS Upgrade Kits					
Models of Systems Affected: AN/USC-61(C)			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604280N					
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: (DN 111) DMR MUOS Upgrade Kits													
B Kits													
Recurring													
1.1.1) DMR MUOS Upgrade Kits Procurement - NonOrganic ⁽²⁾	- / -	- / -	- / -	44 / 7.084	- / -	44 / 7.084	44 / 7.297	44 / 7.515	18 / 3.167	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / -	- / -	- / 7.084	- / -	- / 7.084	- / 7.297	- / 7.515	- / 3.167	- / -	Continuing	Continuing	
Subtotal: (DN 111) DMR MUOS Upgrade Kits	- / -	- / -	- / -	44 / 7.084	- / -	44 / 7.084	44 / 7.297	44 / 7.515	18 / 3.167	- / -	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / -	- / 7.084	- / -	- / 7.084	- / 7.297	- / 7.515	- / 3.167	- / -	Continuing	Continuing	
Support (All Modification Items)													
2.1) DMR MUOS Upgrade Kits Production Support	- / -	- / -	- / -	- / 0.513	- / -	- / 0.513	- / 0.346	- / 0.127	- / 0.340	- / 0.400	Continuing	Continuing	
2.2) DMR MUOS Upgrade Kits DSA	- / -	- / -	- / -	- / 0.568	- / -	- / 0.568	- / 1.161	- / 0.948	- / 0.682	- / 0.127	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / -	- / -	- / 1.081	- / -	- / 1.081	- / 1.507	- / 1.075	- / 1.022	- / 0.527	Continuing	Continuing	
Installation													
Modification Item 1 of 1: (DN 111) DMR MUOS Upgrade Kits	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.784	- / 3.916	- / 4.004	- / 1.692	Continuing	Continuing	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.784	- / 3.916	- / 4.004	- / 1.692	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	-	8.165	-	8.165	12.588	12.506	8.193	2.219	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11										P-1 Line Item Number / Title: 3010 / Shipboard Tactical Comms										Modification Number / Title: 2 / (DN 111) DMR MUOS Upgrade Kits											
Modification Item 1 of 1: (DN 111) DMR MUOS Upgrade Kits																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: General Dynamics															Manufacturer Location: >Scottsdale, Arizona																
Administrative Leadtime <i>(in Months)</i> : 1															Production Leadtime <i>(in Months)</i> : 12																
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Nov 2014				Nov 2015				Nov 2016				Nov 2017									
Delivery Dates										Nov 2015				Nov 2016				Nov 2017				Nov 2018									
Installation Information																															
Method of Implementation: Method : Installation Name: DMR MUOS Upgrade Kits																															
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total							
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)							
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		44 / 3.784		- / -		- / -		- / -		- / -		- / -		44 / 3.784					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		44 / 3.916		- / -		- / -		- / -		- / -		44 / 3.916					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		44 / 4.004		- / -		Continuing		Continuing							
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 1.692		Continuing		Continuing							
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		44 / 3.784		44 / 3.916		44 / 4.004		18 / 1.692		Continuing		Continuing					
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	7	17	12	15	15	14	-	15	15	14	-	15	3	-	-	150
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	7	17	7	3	2	15	15	14	-	15	15	14	-	15	3	150
Footnotes: ⁽²⁾ There is 12 months lead time for the DMR MUOS Upgrade Kits; FY15 procurements will start installs in FY16.																															

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications							P-1 Line Item Number / Title: 3050 / Ship Communications Automation					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0204163N				
Line Item MDAP/MAIS Code: 290		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>)	894.050	51.693	23.877	20.830	-	20.830	35.632	24.986	24.469	25.912	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	894.050	51.693	23.877	20.830	-	20.830	35.632	24.986	24.469	25.912	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	894.050	51.693	23.877	20.830	-	20.830	35.632	24.986	24.469	25.912	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>)	-	2.164	0.087	0.137	-	0.137	0.103	0.120	0.097	0.078	Continuing	Continuing
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: Ship Communication Automation (52PQ): With the evolution of the afloat networks programs migrating into the Consolidated Afloat Networks and Enterprise Services (CANES) program, the Ship Communications Automation budget line will continue to support Command and Control Official Information eXchange (C2OIX) (formerly Tactical Messaging) and Tactical Switching programs. C2OIX automates and increases the speed and efficiency of handling organizational message traffic aboard ships and submarines. The Tactical Switching program will continue to procure and field Increment II upgrades enabling Navy Regional Network Operation Security Center's direct access to all Internet Protocol (IP) services. SCI Networks and SubLAN transfered to CANES under LI 2915 in FY14. [P5 / PQ068 SCI Networks]: Sensitive Compartmented Information (SCI) Networks (PQ068/PQGWT): SCI Networks provides tactical cryptologic systems and intelligence systems with protected and reliable delivery of SI/SCI data through a secure, controllable, network interface with the general service ADNS architecture. This network interface provides special intelligence shipboard analysts access to national, service strategic and tactical databases critical to the execution of their indications and warning mission and their critical input to the "kill chain" process. SCI Networks is the transport medium where critical special intelligence data is provided to the war fighter decision makers. This information moves from point of acquisition or origin to the decision point via SCI Networks. SCI Networks provides full and common network "enterprise" services for shipboard and submarine SCI LANs, including send mail interfaces, file transfer protocols, interactive chat, and web services. Common Personal Computer Operating System Environment (COMPOSE) provides a server and client operating system environment for other applications and collaborative tools such as same time chat. Fully transition to CANES in FY14. [P3A / PQ007 SubLAN]: Submarine Local Area Network (SubLAN): The SubLAN program provides Navy submarines with reliable, high-speed mission critical secret and mission essential unclassified Local Area Networks (LAN). When the SubLAN network is combined with other subsystems, it will deliver an end to end network-centric warfare capability by hosting applications capable of connectivity with coalition communications enclaves. The SubLAN program provides network infrastructure including an unclassified wireless LAN, servers, and the COMPOSE, which provides the operating system, office automation, security, and other basic network services used by all hosted applications. SubLAN will provide distance support for afloat hardware infrastructure associated with Navy Information Application Product Suite servers, clients, access points, and afloat connectivity. Fully transitioned to CANES in FY14.												

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications												P-1 Line Item Number / Title: 3050 / Ship Communications Automation									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0204163N									
Line Item MDAP/MAIS Code: 290						Item MDAP/MAIS Code(s):															
[P3A - 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Afloat]: C2OIX automates and increases the speed and efficiency of handling organizational message traffic aboard ships and submarines. C2OIX will continue to satisfy the same requirements and implements products that are developed with an open system architecture and are conducive to technological upgrades. C2OIX products replace the older Naval Modular Automated Communication System (NAVMACS) which lack the speed and capacity to handle current message traffic loads during periods of accelerated combat operations. Procurement and installation of NAVMACS 3.2 is in preparation of transition to the mandated C2OIX. NAVMACS 3.2 is the baseline that integrates NAVMACS, the afloat messaging system, with Navy Regional Enterprise Messaging System, the shore messaging system, establishing a single end-to-end messaging system that will enable footprint reduction and energy efficiencies aboard ships as well as on shore sites and reduce sustainment costs once C2OIX is fully fielded. In FY14, the program will fund C2OIX equipment procurements and installations. [P3A - 3 / PQ070 Tactical Switching]: Tactical Switching Ashore (TSw): Provides the switching and bandwidth management components of high capacity interoperable communications, as the number one fleet commander requirement in the Navy-wide Command, Control, Communications, Computers and Intelligence (C4I) and information warfare joint mission area assessment. Provides for the shore segment interconnect of an end-to-end dynamic bandwidth management, Internet Protocol, and channel access protocol capability to deploying battle groups, amphibious ready groups, and other support units. Automates the major shore nodes which allow network centric and no emissions operations. Provides afloat interoperability of tactical and strategic C4I circuits with Marine Corps Ground Mobile Forces (GMF). Tactical Switching which includes GMF interoperability, automated network control center, automated technical control, automated digital multiplexer system, and the fleet Network Operation Centers is the key enabling mechanism for the execution of the Automated Digital Network System and Consolidated Afloat Networks and Enterprise Services strategy which is essential to meeting the information technology for the 21st Century C4I vision. Tactical Switching deploys an Enterprise Network Management System (ENMS) which provides enterprise-wide network monitoring, management, and automated problem resolution for the shore network infrastructure during a benign and/or denied operating environment. Tactical Switching system capabilities allow flexible, secure and reliable communications for voice, video, and data applications for Navy terrestrial radio frequency links and pier side connectivity. Increment II: The Tactical Switching plan replaces selected obsolete 1970's based shore equipment with current Commercial Off-the-Shelf/Government Off-the-Shelf (COTS/GOTS) products which comply with DoD Global Information Grid (GIG) and teleport architectures and standards that have demonstrated interoperability with DoD and joint systems. Procurement of these state of the art products converge circuit-based communications to a DoD standardized, integrated, and interoperable Internet Protocol (IP) network. Tactical Switching will migrate selected shore sites and their terrestrial interconnections into a coherent, scalable, network-centric capability.																					
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)	
Item - 1 / Ship Communications Automation	P-5		-	-	218.835	-	-	1.715	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / PQ007 SUBLAN	P-3a		-	-	316.192	-	-	26.805	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Afloat	P-3a		-	-	144.271	-	-	4.795	-	-	3.732	-	-	3.981	-	-	-	-	-	3.981	
P-3a - 3 / PQ070 Tactical Switching	P-3a		-	-	214.752	-	-	18.378	-	-	20.145	-	-	16.849	-	-	-	-	-	16.849	
Total Gross/Weapon System Cost			-	-	894.050	-	-	51.693	-	-	23.877	-	-	20.830	-	-	-	-	-	20.830	

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications												P-1 Line Item Number / Title: 3050 / Ship Communications Automation									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0204163N									
Line Item MDAP/MAIS Code: 290						Item MDAP/MAIS Code(s):															
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Item - 1 / Ship Communications Automation	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / PQ007 SUBLAN	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	342.997	
P-3a - 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo	P-3a		-	-	4.216	-	-	3.729	-	-	3.662	-	-	4.790	Continuing			Continuing			
P-3a - 3 / PQ070 Tactical Switching	P-3a		-	-	31.416	-	-	21.257	-	-	20.807	-	-	21.122	Continuing			Continuing			
Total Gross/Weapon System Cost			-	-	35.632	-	-	24.986	-	-	24.469	-	-	25.912	Continuing			Continuing			
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: In FY15, Tactical Switching procurements will provide expansion of Enterprise Network Management System (ENMS), Internet Protocol (IP) services, and transport via the Navy Tactical Wide Area Network (NTWAN) to additional customers, increasing services, and adding systems to provide a holistic Network Management status. These procurements will reduce the Navy's dependency on legacy serial transport and continue the migration to an IP interoperability and integration between Navy forces to support full network centric warfare. Tactical Switching will provide full direct access for Navy warfighters through the Navy Regional Network Operations and Security Centers to the all IP Global Information Grid (GIG) for full warfighting application data exchange and provide server consolidation ashore to support a common computing environment. Tactical Switching will also provide the mechanism for dynamically and automatically managed real time integrated information assurance and security and mitigate vulnerabilities within the Navy shore regions. Quality of service enabled traffic flow prioritization and fully automated dynamic bandwidth management will also be provided. Tactical Switching strategy is to maximize the use of joint infrastructures. Tactical Switching will maximize the Defense Information Systems Network Core for unified Navy transport, allowing for route diversification and distributed joint services allowing access anywhere via distributed services. In FY15, C2OIX will fund equipment procurements and installations.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation						Item Number / Title [DODIC]: 1 / Ship Communications Automation									
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>		218.835	1.715	-	-	-	-	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		218.835	1.715	-	-	-	-	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		218.835	1.715	-	-	-	-	-	-	-	-	-	-						
(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.																			
Cost Elements	ID CD	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)
Hardware - SHIP COMMUNICATIONS AUTOMATION Cost																			
Non Recurring Cost																			
1.1.1) SCI Networks (Ashore)		114.603	58	6.647	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) SCI Networks (Afloat)		255.327	553	141.196	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	147.843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - SHIP COMMUNICATIONS AUTOMATION Cost		-	-	147.843	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - INSTALLATIONS PQ777 Cost																			
Non Recurring Cost																			
2.1.1) SCI Networks (Afloat) Installation Cost		-	-	49.572	-	-	1.695	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	49.572	-	-	1.695	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - INSTALLATIONS PQ777 Cost		-	-	49.572	-	-	1.695	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - INSTALLATIONS PQ776 Cost																			
Non Recurring Cost																			
3.1.1) SCI Networks (Ashore)		-	-	4.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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LI 3050 - Ship Communications Automation
Navy

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11							P-1 Line Item Number / Title: 3050 / Ship Communications Automation							Item Number / Title [DODIC]: 1 / Ship Communications Automation					
Cost Elements	ID CD	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)
Non Recurring Cost																			
3.1.1) SCI Networks (Ashore)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - INSTALLATIONS PQ776 Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - PQ555 Production Support Cost																			
4.1) SCI Networks (Afloat)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - PQ555 Production Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support Cost																			
5.1) SCI Networks (Afloat) DSA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3050 / Ship Communications Automation	Modification Number / Title: 1 / PQ007 SUBLAN

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)	316.192	26.805	-	-	-	-	-	-	-	-	-	342.997
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	316.192	26.805	-	-	-	-	-	-	-	-	-	342.997
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	316.192	26.805	-	-	-	-	-	-	-	-	-	342.997
(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 Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Provides modern, centrally managed, network systems to replace aging LAN systems. Application subsystems include financial/inventory management, organizational and surface maintenance management, and administrative information systems support. Provides Distance support hardware infrastructure (Navy Information Application Product Suite (NIAPS) servers, clients, blades, access points, and afloat connectivity).

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation				Modification Number / Title: 1 / PQ007 SUBLAN				
Models of Systems Affected: Submarine Local Area Network (SubLAN)			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: PQ007 SUBLAN												
B Kits												
Recurring												
1.1.1) SubLAN - Equipment - NonOrganic ⁽¹⁾	156 / 110.616	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	156 / 110.616
1.1.2) SubLAN - Equipment - SubLAN 1 - NonOrganic	2 / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.500
1.1.3) SubLAN - Equipment - Grade A 688 - NonOrganic	2 / 1.347	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.347
1.1.4) SubLAN - Equipment - Engineering Changes - NonOrganic	- / 15.859	- / 3.898	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 19.757
1.1.5) SubLAN - Equipment - Tech Refresh - NonOrganic	9 / 6.165	6 / 2.953	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 9.118
1.1.6) SubLAN - Equipment - SLEP - NonOrganic	6 / 3.824	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.824
1.1.7) SUBLAN - Equipment - LRIP Backfit - NonOrganic	14 / 1.568	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.568
Subtotal: Recurring	- / 140.879	- / 6.851	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 147.730
Non-Recurring												
1.2.1) SubLAN - Nonrecurring Equipment - Distance Support - Organic	- / 2.324	- / 0.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.104
Subtotal: Non-Recurring	- / 2.324	- / 0.780	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.104
Subtotal: PQ007 SUBLAN	189 / 143.203	6 / 7.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 150.834
Subtotal: Procurement, All Modification Items	- / 143.203	- / 7.631	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 150.834
Support (All Modification Items)												
2.1) PRODUCTION SUPPORT	- / 5.887	- / 0.643	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.530
2.2) DSA	- / 2.168	- / 0.297	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.465
Subtotal: Support	- / 8.055	- / 0.940	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.995
Installation												
Modification Item 1 of 1: PQ007 SUBLAN	- / 164.934	- / 18.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 183.168
Subtotal: Installation	- / 164.934	- / 18.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 183.168
Total												
Total Cost (Procurement + Support + Installation)	316.192	26.805	-	-	-	-	-	-	-	-	-	342.997

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3050 / Ship Communications Automation	Modification Number / Title: 1 / PQ007 SUBLAN

Modification Item 1 of 1: PQ007 SUBLAN

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SAIC				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 3			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Dec 2012						
Delivery Dates	Mar 2013						

Installation Information

Method of Implementation: Method : Installation Name: Installation of Equipment - SUBLAN

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	184 / 164.934	5 / 8.287	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	189 / 173.221
FY 2013	- / -	6 / 9.947	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 9.947
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	184 / 164.934	11 / 18.234	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	195 / 183.168

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	183	2	4	-	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195		
Out	181	3	2	3	5	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	195		

Footnotes:

(1) 1/ Unit cost differs by class and includes variable Government Furnished Equipment (GFE)/ ShipAlt production costs coupled with FMP requirements. Grade A's require installation of racks, servers, switches and COMPOSE 3.0.1 software to complete transition from WinNT and Win2K End of Life software to Win2003/XP and to prepare for CANES in FY14. 2/ Funding fully transitioned to CANES (BLI 2915 and BLI 2925) FY14 and out. 3/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of submarine installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3050 / Ship Communications Automation	Modification Number / Title: 1 / PQ007 SUBLAN

the first quarter thereby supporting Fleet availability. 4/ SubLAN requires an additional 3 months after delivery for required pre-installation test and check out (PITCO) prior to installation start. Installs do not begin until 6 months after contract award (3 months Production Lead Time + 3 months PITCO).

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation				Modification Number / Title: 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo			

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>)	144.271	4.795	3.732	3.981	-	3.981	4.216	3.729	3.662	4.790	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	144.271	4.795	3.732	3.981	-	3.981	4.216	3.729	3.662	4.790	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	144.271	4.795	3.732	3.981	-	3.981	4.216	3.729	3.662	4.790	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

[C2OIX Equipment (Afloat)] C2OIX consolidates the Tactical Messaging and Defense Messaging System (DMS) programs and manages the Navy's messaging systems providing sustainment support and modernization for all afloat and shore platforms. The modernization effort within C2OIX for afloat platforms automates and increases the speed and efficiency of handling organizational message traffic aboard ships and submarines, and replaces ten Naval Modular Automated Communication System (NAVMACS) variants distributed throughout the Navy. C2OIX will satisfy the Navy messaging requirement and implement products that are developed with an open system architecture.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation				Modification Number / Title: 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo					
Models of Systems Affected: Tactical Messaging / C2OIX				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: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo													
B Kits													
Recurring													
1.1.1) Equipment Prior Year Sunk - NonOrganic	233 / 93.506	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	233 / 93.506	
1.1.2) Tactical Messaging Tech Refresh - NonOrganic	3 / 1.850	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.850	
1.1.3) C2OIX Equipment (Afloat) - NonOrganic (2)	- / -	9 / 2.016	7 / 1.598	7 / 1.801	- / -	7 / 1.801	7 / 1.886	8 / 1.484	7 / 1.606	9 / 2.174	Continuing	Continuing	
1.1.4) C2OIX Equipment (Ashore) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.190	- / -	- / -	- / -	2 / 0.190	
Subtotal: Recurring	- / 95.356	- / 2.016	- / 1.598	- / 1.801	- / -	- / 1.801	- / 1.886	- / 1.674	- / 1.606	- / 2.174	Continuing	Continuing	
Non-Recurring													
1.2.1) Non-Recurring Equipment - Organic	1 / 1.982	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.982	
Subtotal: Non-Recurring	- / 1.982	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.982	
Subtotal: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo	237 / 97.338	9 / 2.016	7 / 1.598	7 / 1.801	- / -	7 / 1.801	7 / 1.886	10 / 1.674	7 / 1.606	9 / 2.174	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 97.338	- / 2.016	- / 1.598	- / 1.801	- / -	- / 1.801	- / 1.886	- / 1.674	- / 1.606	- / 2.174	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 8.097	- / 0.124	- / 0.096	- / 0.113	- / -	- / 0.113	- / 0.118	- / 0.105	- / 0.101	- / 0.136	Continuing	Continuing	
2.2) DSA	- / 4.500	- / 0.765	- / 0.636	- / 0.624	- / -	- / 0.624	- / 0.765	- / 0.558	- / 0.587	- / 0.712	Continuing	Continuing	
Subtotal: Support	- / 12.597	- / 0.889	- / 0.732	- / 0.737	- / -	- / 0.737	- / 0.883	- / 0.663	- / 0.688	- / 0.848	Continuing	Continuing	
Installation													
Modification Item 1 of 1: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo	- / 34.336	- / 1.890	- / 1.402	- / 1.443	- / -	- / 1.443	- / 1.447	- / 1.392	- / 1.368	- / 1.768	- / -	- / 45.046	
Subtotal: Installation	- / 34.336	- / 1.890	- / 1.402	- / 1.443	- / -	- / 1.443	- / 1.447	- / 1.392	- / 1.368	- / 1.768	- / -	- / 45.046	
Total													
Total Cost (Procurement + Support + Installation)	144.271	4.795	3.732	3.981	-	3.981	4.216	3.729	3.662	4.790	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation				Modification Number / Title: 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo					
Modification Item 1 of 1: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: General Dynamics							Manufacturer Location: >Taunton, MA						
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 1						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Mar 2013	Dec 2013	Dec 2014										
Delivery Dates	Apr 1013	Jan 2014	Jan 2015										
Manufacturer Name: SSC Atlantic							Manufacturer Location: >Charleston, SC						
Administrative Leadtime (<i>in Months</i>): 2							Production Leadtime (<i>in Months</i>): 3						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Dec 2012												
Delivery Dates	Mar 2013												
Installation Information													
Method of Implementation: Method : Installation Name: Installation of Equipment - C2OIX Afloat													
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	236 / 34.336	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	236 / 34.336
FY 2013	- / -	9 / 1.890	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.890
FY 2014	- / -	- / -	7 / 1.402	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.402
FY 2015	- / -	- / -	- / -	7 / 1.443	- / -	7 / 1.443	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.443
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.447	- / -	- / -	- / -	- / -	- / -	7 / 1.447
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 1.392	- / -	- / -	- / -	- / -	10 / 1.392
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.368	- / -	- / -	- / -	7 / 1.368
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 1.768	- / -	- / -	9 / 1.768
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	236 / 34.336	9 / 1.890	7 / 1.402	7 / 1.443	- / -	7 / 1.443	7 / 1.447	10 / 1.392	7 / 1.368	9 / 1.768	- / -	- / -	292 / 45.046

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11										P-1 Line Item Number / Title: 3050 / Ship Communications Automation										Modification Number / Title: 2 / PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo											
Modification Item 1 of 1: PQ065 Command and Control Official Information eXchange (C2OIX) (Formerly Tactical Messaging) Aflo																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Method : Installation Name: Installation of Equipment - C2OIX Afloat																															
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	236	-	-	-	-	9	-	5	2	-	2	2	2	1	-	1	5	1	3	2	3	2	3	3	1	-	3	3	3	-	292
Out	236	-	-	-	-	9	-	5	2	-	2	2	2	1	-	1	5	1	3	2	3	2	3	3	1	-	3	3	3	-	292
Method of Implementation (Organic): Not Installed - Non-Recurring Equipment																				Installation Quantity: 1											
Footnotes: ⁽²⁾ 1/ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation					Modification Number / Title: 3 / PQ070 Tactical Switching			
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)	214.752	18.378	20.145	16.849	-	16.849	31.416	21.257	20.807	21.122	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	214.752	18.378	20.145	16.849	-	16.849	31.416	21.257	20.807	21.122	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	214.752	18.378	20.145	16.849	-	16.849	31.416	21.257	20.807	21.122	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Tactical Switching Ashore has been structured to support the migration of the shore sites and their terrestrial interconnections into a coherent, scalable, network-centric capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11				P-1 Line Item Number / Title: 3050 / Ship Communications Automation				Modification Number / Title: 3 / PQ070 Tactical Switching					
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: PQ070 Tactical Switching													
B Kits													
Recurring													
1.1.1) Equipment - Increment I - NonOrganic ⁽³⁾	10 / 33.814	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 33.814	
1.1.2) Equipment - Increment II - NonOrganic	30 / 134.595	5 / 14.590	5 / 16.258	5 / 13.508	- / -	5 / 13.508	- / -	- / -	- / -	- / -	- / -	45 / 178.951	
1.1.3) Equipment - Increment III - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	5 / 25.281	5 / 17.074	5 / 16.714	5 / 16.890	Continuing	Continuing	
Subtotal: Recurring	- / 168.409	- / 14.590	- / 16.258	- / 13.508	- / -	- / 13.508	- / 25.281	- / 17.074	- / 16.714	- / 16.890	Continuing	Continuing	
Subtotal: PQ070 Tactical Switching	40 / 168.409	5 / 14.590	5 / 16.258	5 / 13.508	- / -	5 / 13.508	5 / 25.281	5 / 17.074	5 / 16.714	5 / 16.890	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 168.409	- / 14.590	- / 16.258	- / 13.508	- / -	- / 13.508	- / 25.281	- / 17.074	- / 16.714	- / 16.890	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 15.084	- / 0.873	- / 0.948	- / 0.810	- / -	- / 0.810	- / 1.423	- / 0.994	- / 0.973	- / 1.064	Continuing	Continuing	
2.2) DSA	- / 1.946	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.946	
Subtotal: Support	- / 17.030	- / 0.873	- / 0.948	- / 0.810	- / -	- / 0.810	- / 1.423	- / 0.994	- / 0.973	- / 1.064	Continuing	Continuing	
Installation													
Modification Item 1 of 1: PQ070 Tactical Switching	- / 29.313	- / 2.915	- / 2.939	- / 2.531	- / -	- / 2.531	- / 4.712	- / 3.189	- / 3.120	- / 3.168	Continuing	Continuing	
Subtotal: Installation	- / 29.313	- / 2.915	- / 2.939	- / 2.531	- / -	- / 2.531	- / 4.712	- / 3.189	- / 3.120	- / 3.168	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	214.752	18.378	20.145	16.849	-	16.849	31.416	21.257	20.807	21.122	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11		P-1 Line Item Number / Title: 3050 / Ship Communications Automation			Modification Number / Title: 3 / PQ070 Tactical Switching

Modification Item 1 of 1: PQ070 Tactical Switching

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC LANT				Manufacturer Location: >Charleston, SC			
Administrative Leadtime (in Months): 3				Production Leadtime (in Months): 2			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013	Jan 2014	Jan 2015				
Delivery Dates	Mar 2013	Mar 2014	Mar 2015				

Installation Information

Method of Implementation: Method : Installation Name: Installation of Equipment - Tactical Switching

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 / 29.313	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	40 / 29.313
FY 2013	- / -	5 / 2.915	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.915
FY 2014	- / -	- / -	5 / 2.939	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.939
FY 2015	- / -	- / -	- / -	5 / 2.531	- / -	5 / 2.531	- / -	- / -	- / -	- / -	- / -	5 / 2.531
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	5 / 4.712	- / -	- / -	- / -	- / -	5 / 4.712
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.189	- / -	- / -	- / -	5 / 3.189
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.120	- / -	- / -	5 / 3.120
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 3.168	- / -	5 / 3.168
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Total	40 / 29.313	5 / 2.915	5 / 2.939	5 / 2.531	- / -	5 / 2.531	5 / 4.712	5 / 3.189	5 / 3.120	5 / 3.168	Continuing	Continuing

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	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	75
Out	40	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	-	-	5	-	75

Footnotes:

⁽³⁾ 1/ INC I-III Quantities represent 5 major shore regions (Naval Computer and Telecommunications Area Master Station Pacific (NCTAMS PAC), Naval Computer and Telecommunications Area Master Station Atlantic (NCTAMS LANT), Naval Computer & Telecommunications Station Naples (NCTS NAPLES), Naval Computer & Telecommunications Station Bahrain (NCTS Bahrain), and Naval Computer & Telecommunications Station San Diego (NCTS San Diego) with a total of 40+ shore communication activities spanning the 5 regions. Increment II upgrades will be implemented at the major shore regions consolidating into Global Network Operations and Security Centers through FY15. Increment III upgrades Transport, IP Services, and NetOps efficiencies, leveraging other DoN and DoD's Defense Enterprise

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11	P-1 Line Item Number / Title: 3050 / Ship Communications Automation	Modification Number / Title: 3 / PQ070 Tactical Switching
Computing Center (DECC) infrastructure initiatives for DoN/DoD IT consolidation. 2/ Tactical Switching (TSw) INC I-III consists of 17 different systems incorporated into a consolidated single enterprise architecture. Installation costs vary each year/site depending on what modernization must be done at each site. Costs vary depending upon whether or not installs address increased bandwidth, risk vulnerabilities, increased survivability and reliability, and migration to an all-Internet Protocol (IP) architecture.		

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications	P-1 Line Item Number / Title: 3051 / MDA

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>)	36.528	0.913	-	-	-	-	-	-	-	-	-	37.441
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	36.528	0.913	-	-	-	-	-	-	-	-	-	37.441
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	36.528	0.913	-	-	-	-	-	-	-	-	-	37.441
<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>)	-	0.035	-	-	-	-	-	-	-	-	-	0.035
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:

Combined Enterprise Regional Information Exchange System - Maritime (CENTRIXS-M) Maritime Domain Awareness (MDA): The CENTRIXS program provides US Navy ships with secure, reliable, high-speed Local Area Network with access to the Coalition Wide Area Network (WAN) to include CENTRIXS Four-Eyes, Global Counter Terrorism Task Force, NATO Information Data Transfer System, Multinational Coalition Force - Iraq, bilateral networks such as Combined Enterprise Regional Information Exchange System - US/Japan and Combined Enterprise Regional Information Exchange System - US/Korea, and Communities Of Interest virtual networks such as Coalition Naval Forces - CENTCOM and Cooperative Maritime Forces - Pacific. The CENTRIXS system provides real-time tactical and operational information sharing at the SECRET and SECRET REL (Releasable) level between naval afloat units, Component Commanders, Fleet Commanders, Numbered Fleet Commanders and Coalition Forces/Allies. When the CENTRIXS network is combined with other subsystems (Radio/Satellite Comms), it delivers an end-to-end network centric war fighting capability. The CENTRIXS program is comprised of Block 0, I and II systems fielded across the Fleet, and Increment 1 which will provide a network infrastructure that allows simultaneous access to multiple WANs and incorporates the Common Personal Computer Operating System Environment (COMPOSE). COMPOSE provides a server and client operating system environment for other applications and collaborative tools such as Same time Chat, Domino and Command and Control Personal Computer as means to share a Common Operational Picture (COP) and exchange information using Collaboration At Sea. The CENTRIXS program uses both Commercial Off The Shelf hardware and software and Open Standards to maximize commercial technology and support. In-service engineering and technical support ensures existing systems are upgraded and modified to keep pace with current technology and industry.

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
MDA	P-40a		-	-	36.528	-	-	0.913	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	36.528	-	-	0.913	-	-	-	-	-	-	-	-	-	-	-	-

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

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications		P-1 Line Item Number / Title: 3051 / MDA	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:		Other Related Program Elements:
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.			

Justification:
In FY13 CENTRIXS completed the installations of FY12 Increment 1 Afloat Procurements.

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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 / 02 / 11						P-1 Line Item Number / Title: 3051 / MDA										Aggregated Items Title: MDA				
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) PR001 - CENTRIXS-MDA																				
1.1) PR001 - CENTRIXS-M MDA INCREMENT 1 (Afloat)	A		818.833	24	19.652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) PR001 - CENTRIXS-M MDA BLOCK 0/1/2 (Afloat)	A		157.000	8	1.256	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) PR001 - CENTRIXS-MDA			-	-	20.908	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) PR555 - CENTRIXS PRODUCTION SUPPORT																				
2.1) PR555 - CENTRIXS-M PRODUCTION SUPPORT INC 1 (Afloat)	A		-	-	0.957	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) PR555 - CENTRIXS-M MDA	A		-	-	0.118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) PR555 - CENTRIXS PRODUCTION SUPPORT			-	-	1.075	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) PR777 - CENTRIXS INSTALLS & DSA																				
3.1) PR777 - CENTRIX DSA INSTALLS INC 1 (Afloat)	A		-	-	2.320	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) PR777 - CENTRIXS FMP INSTALL INC 1 (Afloat)	A		-	-	11.950	-	-	0.913	-	-	-	-	-	-	-	-	-	-	-	-
3.3) PR777 - CENTRIXS FMP INSTALL BLK 0/1/2	A		-	-	0.275	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) PR777 - CENTRIXS INSTALLS & DSA			-	-	14.545	-	-	0.913	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	36.528	-	-	0.913	-	-	-	-	-	-	-	-	-	-	-	-

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications							P-1 Line Item Number / Title: 3057 / Communications Items under \$5M					
ID Code (A=Service Ready, B=Not Service Ready) : A				Program Elements for Code B Items:				Other Related Program Elements: 0604280N				
Line Item MDAP/MAIS Code: 385			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>)	47.683	30.652	28.001	14.145	-	14.145	12.210	20.309	20.104	25.021	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	47.683	30.652	28.001	14.145	-	14.145	12.210	20.309	20.104	25.021	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	47.683	30.652	28.001	14.145	-	14.145	12.210	20.309	20.104	25.021	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>)	-	0.384	0.170	0.699	-	0.699	0.642	0.035	0.123	-	-	2.053
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: [P5 / NU020 DWTS]: Digital Wideband Transmission System (DWTS) provides terrestrial, meshed Internet Protocol (IP) communications network throughout the ESG and MAGTF. DWTS provides Intra-ESG Distributed Collaborative Planning (IDCP) applications such as Tactical Switching System, Tactical Video Tele-Conferencing (TAC-VTC), and Secret Internet Protocol Router Network (SIPRNET) Ship-to-Ship, Ship-to-Shore, and data transmission links. Each install consists of reconfiguring the current DWTS system with a configuration kit that allows the Marine Corps to bring the AN/PRC-117G radios for use with the DWTS system. [P5 / NU237 PORTABLE RADIOS]: Portable Radios (PORT RAD): Procures mission essential tactical handheld, manpack, vehicular/fixed mount radios, and ancillaries to meet secure/non-secure voice and data communications requirements for deploying Naval Expeditionary Forces Explosive Ordnance Disposal, Naval Beach Groups, Naval Construction Forces, Navy Cargo-Handling and Port Operations Group, and others under the Naval Expeditionary Combat Enterprise (NECE), and to meet emergency communications requirements for surface ships. Equipment is employed by individual NECE operational elements to accomplish missions, communicate with higher headquarters, conduct command and control of forces, and call for Close Air Support. Procurements are in accordance with Components' Tables of Allowance and are within approved Buy / Plan requirements. Procurement is needed to ensure interoperability with already fielded equipment, and between DoD Forces high priority programs such as Mine Resistant Ambush Protected and Military All-Terrain Vehicles, and Joint forces, including Allied/Coalition priorities. [P5 / NU238 JTRS HMS Radios]: Joint Tactical Radio System (JTRS) Handheld Man-pack Small Form Fit (HMS) portable radios: Procures JTRS HMS radios and ancillaries to meet 2-channel manpack secure voice and data communications requirements for Naval Expeditionary forces including Naval Special Warfare Command, and emergency communications requirements for surface ships. The HMS radios are intended to gradually phase out legacy equipment, while phasing in software-defined, crypto-modernizable, 2-channel radios with Mobile User Objective System (MUOS) capability enabling more efficient use of satellite resources. [P5 / NU239 PORT NSW]: Portable Radio/Naval Special Warfare (PORT NSW) tactical radio: PORT NSW procures hand held and man pack/vehicular radios for NSW. Procurement needed to support Force Protection operations, especially with joint forces. NSW operational elements (SEAL platoons and Combatant Craft Detachments) rely on tactical communications and electronics equipment to accomplish all missions assigned in support of the Joint and Fleet commanders. Navy resourced tactical communications equipment is considered mission essential and will be employed by individual SEAL personnel and NSW combat elements in man pack configurations as well as onboard tactical vehicles and NSW combatant craft in tactical operations centers in fixed mount configurations.												

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications										P-1 Line Item Number / Title: 3057 / Communications Items under \$5M																																																																																												
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:					Other Related Program Elements: 0604280N																																																																																												
Line Item MDAP/MAIS Code: 385					Item MDAP/MAIS Code(s):																																																																																																	
[P5 / NU245 HYDRA]: Hierarchial Yet Dynamic Reprogrammable Architecture (HYDRA): HYDRA AN/SRC-55 will replace stovepipe wireless shipboard systems with an integrated system. HYDRA is a wireless digital voice and data communication system using Commercial off the Shelf (COTS) trunking technology. HYDRA is capable of interfacing with Private Branch Exchange/Battle Group (PBX/BG) Cellular/radio frequency (RF) systems. [P5 / NU295 BFTN]: Battle Force Tactical Network (BFTN): Provides National, Allied, and Coalition maritime units with a medium band Internet Protocol (IP) based, tactical ship to ship at-sea networking capability, using legacy half-duplex Ultra High Frequency (UHF) Line-of-Sight. Beginning in FY16 the Battle Force Tactical Network Engineering Change (BFTN-ec) will also provide communications relays and network aware-automatic link establishment (NA-ALE) across battle groups and Unmanned Aerial Vehicles (UAV) extending the range of BFTN service levels in order to thwart contested satellite communications connectivity to shore servers. Enhancements will enable the BFTN network to self-assemble Transmission Control Protocol/Internet Protocol (TCP/IP) delivery circuits, adapt to user proximity changes and self-heal data delivery circuits, if they are degraded or forcefully taken from the Afloat fighting force. The BFTN modular relay is a miniaturized rapid-mount BFTN system designed for ready integration into various mission payloads (e.g. Aerial platforms/UAVs, small craft, etc.) [P5 / NU790 Navy Expeditionary C4I]: Navy Expeditionary Command, Control, Communications, Computers, & Intelligence (C4I): Provides procurement and integration for outfitting Table of Allowance (TOA) buy lists within the Expeditionary forces. Ensures common C4I solutions are being coordinated, tracked, procured and integrated across Navy Expeditionary Combat Command (NECC) forces. [P5 / NU260 DAMA IW - R]: Communication Modernization/Demand Assigned Multiple Access Integrated Waveform (DAMA IW): Ultra High Frequency (UHF) Satellite Communications (SATCOM) is the primary military C4I communication system that enables users to operate communications on-the-move, beyond line of sight, and under all environmental conditions. The currently implemented legacy UHF SATCOM DAMA systems are no longer sufficient to meet user requirements. DAMA IW provides C4I system enhancements that will more than double the present UHF SATCOM system voice nets, which will be used to reduce the existing gap between UHF SATCOM communications capacity and requirements. Communication Modernization provides critical beyond line-of-sight C4I communications to LOS ANGELES Fast Attack Submarines (SSN 688), and critical C4I system upgrades (HF, VHF/UHF/SATCOM C4I communications capabilities including DAMA IW) to small ship variants (such as Mine Counter Measure (MCM), Littoral Combat Ship (LCS), Patrol Craft (PC) radio room communication suites, etc.) [P5 / HF SAR DSA/PRE Shore Installation Design]: High Frequency Shipboard Automatic Link Establishment Radio (HF SAR) [Previously known as High Frequency Automatic Link Establishment (HF-ALE)]: Provides 3G HF-ALE capabilities to the Embarked Marines aboard L-Class ships. HF SAR is a stand alone menu driven system providing voice, data and chat capabilities.																																																																																																						
<table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th colspan="2">Exhibits Schedule</th> <th colspan="3">Prior Years</th> <th colspan="3">FY 2013</th> <th colspan="3">FY 2014</th> <th colspan="3">FY 2015 Base</th> <th colspan="3">FY 2015 OCO</th> <th colspan="3">FY 2015 Total</th> </tr> <tr> <th>Title*</th> <th>Exhibits</th> <th>ID CD</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> <th>Unit Cost (\$ K)</th> <th>Qty (Each)</th> <th>Total Cost (\$ M)</th> </tr> </thead> <tbody> <tr> <td>Item - 1 / Communications Items under \$5M</td> <td>P-5</td> <td></td> <td>-</td> <td>-</td> <td>47.683</td> <td>-</td> <td>-</td> <td>30.652</td> <td>-</td> <td>-</td> <td>28.001</td> <td>-</td> <td>-</td> <td>14.145</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>14.145</td> </tr> <tr> <td>Total Gross/Weapon System Cost</td> <td></td> <td></td> <td>-</td> <td>-</td> <td>47.683</td> <td>-</td> <td>-</td> <td>30.652</td> <td>-</td> <td>-</td> <td>28.001</td> <td>-</td> <td>-</td> <td>14.145</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>-</td> <td>14.145</td> </tr> </tbody> </table>																				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)	Item - 1 / Communications Items under \$5M	P-5		-	-	47.683	-	-	30.652	-	-	28.001	-	-	14.145	-	-	-	-	-	14.145	Total Gross/Weapon System Cost			-	-	47.683	-	-	30.652	-	-	28.001	-	-	14.145	-	-	-	-	-	14.145
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)																																																																																		
Item - 1 / Communications Items under \$5M	P-5		-	-	47.683	-	-	30.652	-	-	28.001	-	-	14.145	-	-	-	-	-	14.145																																																																																		
Total Gross/Weapon System Cost			-	-	47.683	-	-	30.652	-	-	28.001	-	-	14.145	-	-	-	-	-	14.145																																																																																		
*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: NU239 - PORT NSW: FY15 funding is to procure 436 radios.																																																																																																						

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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 02: Communications & Electronics Equip / BSA 11: Shipboard Communications		P-1 Line Item Number / Title: 3057 / Communications Items under \$5M
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604280N
Line Item MDAP/MAIS Code: 385	Item MDAP/MAIS Code(s):	
NU295 - BFTN: FY15 is to procure two (2) BFTN systems. NU790 - Navy Expeditionary C4I: FY15 funds will provide procurement, integration and modernization of Small, Medium and Large Scale Communication Systems. Additionally, project procures, integrates and modernizes tactical C4I , Sensors and Blue Force Tracker (BFT) for tactical vehicles and combatant crafts.		

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11							P-1 Line Item Number / Title: 3057 / Communications Items under \$5M						Item Number / Title [DODIC]: 1 / Communications Items under \$5M						
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>					47.683		30.652		28.001		14.145		-		14.145				
Less PY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Net Procurement (P1) <i>(\$ in Millions)</i>					47.683		30.652		28.001		14.145		-		14.145				
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-		-		-		-		-		-				
Total Obligation Authority <i>(\$ in Millions)</i>					47.683		30.652		28.001		14.145		-		14.145				
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)																			
Initial Spares <i>(\$ in Millions)</i>					-		0.384		0.170		0.699		-		0.699				
Gross/Weapon System Unit Cost <i>(\$ in Thousands)</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 (\$ 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)
Hardware - NU020 DWTS Cost																			
Recurring Cost																			
1.1.1) DWTS Procurement		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NU020 DWTS Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - NU237 PORTABLE RADIOS Cost																			
Recurring Cost																			
2.1.1) PORT RAD - Hand Held Procurement		10.214	14	0.143	10.091	11	0.111	9.718	234	2.274	-	-	-	-	-	-	-	-	-
2.1.2) PORT RAD - Man Pack Procurement		35.200	5	0.176	35.200	5	0.176	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.319	-	-	0.287	-	-	2.274	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NU237 PORTABLE RADIOS Cost		-	-	0.319	-	-	0.287	-	-	2.274	-	-	-	-	-	-	-	-	-
Hardware - NU238 JTRS HMS Radios Cost																			
Recurring Cost																			
3.1.1) JTRS HMS Manpack Radios Procurement		-	-	-	76.000	40	3.040	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	3.040	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NU238 JTRS HMS Radios Cost		-	-	-	-	-	3.040	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11							P-1 Line Item Number / Title: 3057 / Communications Items under \$5M							Item Number / Title [DODIC]: 1 / Communications Items under \$5M					
Cost Elements	ID CD	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)
Hardware - NU239 PORT NSW Cost																			
Recurring Cost																			
4.1.1) PORT NSW Hand Held Procurement		11.471	469	5.380	13.563	199	2.699	14.245	399	5.684	14.530	290	4.214	-	-	-	14.530	290	4.214
4.1.2) PORT NSW Man Pack Procurement ⁽¹⁾		35.492	496	17.604	34.498	227	7.831	35.188	155	5.454	35.892	146	5.240	-	-	-	35.892	146	5.240
Subtotal: Recurring Cost		-	-	22.984	-	-	10.530	-	-	11.138	-	-	9.454	-	-	-	-	-	9.454
Subtotal: Hardware - NU239 PORT NSW Cost		-	-	22.984	-	-	10.530	-	-	11.138	-	-	9.454	-	-	-	-	-	9.454
Hardware - NU245 HYDRA Cost																			
Recurring Cost																			
5.1.1) Hydra Procurement		1,750.000	3	5.250	1,530.500	2	3.061	2,093.000	1	2.093	1,288.000	1	1.288	-	-	-	1,288.000	1	1.288
Subtotal: Recurring Cost		-	-	5.250	-	-	3.061	-	-	2.093	-	-	1.288	-	-	-	-	-	1.288
Subtotal: Hardware - NU245 HYDRA Cost		-	-	5.250	-	-	3.061	-	-	2.093	-	-	1.288	-	-	-	-	-	1.288
Hardware - NU295 BFTN Cost																			
Recurring Cost																			
6.1.1) BFTN System Procurement		183.000	12	2.196	-	-	-	225.000	2	0.450	229.500	2	0.459	-	-	-	229.500	2	0.459
6.1.2) BFTN-ec System Procurement		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.3) BFTN Fly Away Kits		-	-	0.171	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	2.367	-	-	-	-	-	0.450	-	-	0.459	-	-	-	-	-	0.459
Subtotal: Hardware - NU295 BFTN Cost		-	-	2.367	-	-	-	-	-	0.450	-	-	0.459	-	-	-	-	-	0.459
Hardware - NU790 Navy Expeditionary C4I Cost																			
Recurring Cost																			
7.1.1) Navy Expeditionary C4I Procurement ⁽²⁾		-	-	-	246.667	3	0.740	253.333	3	0.760	282.667	3	0.848	-	-	-	282.667	3	0.848
Subtotal: Recurring Cost		-	-	-	-	-	0.740	-	-	0.760	-	-	0.848	-	-	-	-	-	0.848
Subtotal: Hardware - NU790 Navy Expeditionary C4I Cost		-	-	-	-	-	0.740	-	-	0.760	-	-	0.848	-	-	-	-	-	0.848
Hardware - NU260 DAMA IW - R Cost																			
Recurring Cost																			
8.1.1) DAMA IW Procurement		-	-	-	600.000	7	4.200	600.000	3	1.800	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy																Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 11								P-1 Line Item Number / Title: 3057 / Communications Items under \$5M								Item Number / Title [DODIC]: 1 / Communications Items under \$5M			
Cost Elements	ID CD	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)
Subtotal: Recurring Cost		-	-	-	-	-	4.200	-	-	1.800	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NU260 DAMA IW - R Cost		-	-	-	-	-	4.200	-	-	1.800	-	-	-	-	-	-	-	-	-
Hardware - NU260 DAMA IW - NR Cost																			
Non Recurring Cost																			
9.1.1) DAMA IW Non- recurring Equipment Cost		-	-	-	-	-	0.451	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	0.451	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - NU260 DAMA IW - NR Cost		-	-	-	-	-	0.451	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Prior Year Cost																			
Non Recurring Cost																			
10.1.1) Prior Year		-	-	1.954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	1.954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Prior Year Cost		-	-	1.954	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - NU777 Installations FMP Cost																			
Recurring Cost																			
11.1.1) DWTS Installations FMP		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11.1.2) EPLRS-DR Installations FMP		-	-	0.956	-	-	0.978	-	-	-	-	-	-	-	-	-	-	-	-
11.1.3) Hydra Installations FMP		-	-	1.972	-	-	0.611	-	-	0.908	-	-	0.565	-	-	-	-	-	0.565
11.1.4) HF SAR Installations FMP		-	-	5.302	-	-	3.412	-	-	2.581	-	-	-	-	-	-	-	-	-
11.1.5) BFTN Installations FMP		-	-	2.400	-	-	-	-	-	1.140	-	-	0.724	-	-	-	-	-	0.724
11.1.6) DAMA IW Install (Afloat)		-	-	-	-	-	0.926	-	-	2.854	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	10.630	-	-	5.927	-	-	7.483	-	-	1.289	-	-	-	-	-	1.289
Subtotal: Hardware - NU777 Installations FMP Cost		-	-	10.630	-	-	5.927	-	-	7.483	-	-	1.289	-	-	-	-	-	1.289
Hardware - NU776 Installation - Ashore Cost																			
Recurring Cost																			
12.1.1) BFTN Installations Ashore		-	-	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 / 02 / 11							P-1 Line Item Number / Title: 3057 / Communications Items under \$5M							Item Number / Title [DODIC]: 1 / Communications Items under \$5M					
Cost Elements	ID CD	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)
Subtotal: Hardware - NU776 Installation - Ashore Cost																			
Support - NU777 DSA Cost																			
13.1) DWTS DSA/PRE Shore Installation Design		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.2) EPLRS-DR DSA/PRE Shore Installation Design		-	-	0.799	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13.3) HF SAR DSA/PRE Shore Installation Design		-	-	0.478	-	-	0.364	-	-	-	-	-	-	-	-	-	-	-	-
13.4) BFTN DSA		-	-	1.020	-	-	-	-	-	0.216	-	-	0.216	-	-	-	-	-	0.216
13.5) DAMA IW DSA		-	-	-	-	-	0.714	-	-	0.856	-	-	-	-	-	-	-	-	-
Subtotal: Support - NU777 DSA Cost		-	-	2.297	-	-	1.078	-	-	1.072	-	-	0.216	-	-	-	-	-	0.216
Support - NU555 Production Support Cost																			
14.1) DWTS Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.2) EPLRS-DR Production Support		-	-	0.095	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14.3) PORT RAD Production Support		-	-	0.059	-	-	0.028	-	-	0.136	-	-	-	-	-	-	-	-	-
14.4) JTRS HMS Manpack Production Support		-	-	-	-	-	0.214	-	-	-	-	-	-	-	-	-	-	-	-
14.5) PORT NSW Production Support		-	-	1.019	-	-	0.742	-	-	0.611	-	-	0.535	-	-	-	-	-	0.535
14.6) BFTN Production Support		-	-	0.709	-	-	0.285	-	-	0.030	-	-	0.026	-	-	-	-	-	0.026
14.7) Navy Expeditionary C4I Production Support		-	-	-	-	-	0.028	-	-	0.029	-	-	0.030	-	-	-	-	-	0.030
14.8) DAMA IW Production Support		-	-	-	-	-	0.041	-	-	0.125	-	-	-	-	-	-	-	-	-
Subtotal: Support - NU555 Production Support Cost		-	-	1.882	-	-	1.338	-	-	0.931	-	-	0.591	-	-	-	-	-	0.591
Gross/Weapon System Cost		-	-	47.683	-	-	30.652	-	-	28.001	-	-	14.145	-	-	-	-	-	14.145
Footnotes: (1) HMS manpack radios and PORT NSW Hand Held radios do not require installation. (2) Unit cost fluctuation is a result of changes in vehicle baseline configuration.																			

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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 02: Communications & Electronics Equip / BSA 12: Submarine Communications							P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support					
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>)	11.093	3.650	7.856	11.057	-	11.057	18.479	15.844	17.974	18.340	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.093	3.650	7.856	11.057	-	11.057	18.479	15.844	17.974	18.340	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.093	3.650	7.856	11.057	-	11.057	18.479	15.844	17.974	18.340	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>)	-	0.207	-	0.828	-	0.828	0.407	-	0.042	-	-	1.484
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: The Submarine Broadcast Support program was established to improve the reliability, availability, maintainability, efficiency and performance of the Very Low Frequency (VLF) and Low Frequency (LF) submarine broadcast systems. These transmission mediums, VLF/LF, comprise the primary line of Fleet Ballistic Missile Nuclear Command, Control and Communications (NC3). Shore based transmitter sites are Emergency Action Message relay points providing primary connectivity between the Senior Leadership and Ship Submersible Ballistic Nuclear (SSBN) Submarines. Upgrades to shore infrastructure include integrating Internet Protocol capability in Broadcast Control Authority sites. [P5 / W4008 Transmission Equipment]: Transmission Equipment program will modernize the aging and obsolete components of the submarine broadcast transmission system, to include components located at the Broadcast Transmitter Stations (BTSS), Broadcast Keying Stations (BKSs), and the Broadcast Control Authority (BCA) sites. [P5 / W4009 Low Band Universal Communications System (LBUCS), Receive]: LBUCS is a modernization program that will upgrade receive subsystems of the Fixed Submarine Broadcast System (FSBS) which are approaching their operational end of life. LBUCS will ensure operational capability through the VLF architecture by providing system life extension and flexibility of submarine broadcast traffic to submarines operating in a stealth posture. [P5 / W4010 Messaging Nuclear Command Control Communications (NC3) Hybrid Solution (HS) NOVA/NIXT]: Messaging NC3 (NIXT) will provide accurate and reliable delivery of time-critical messages for command and control of nuclear forces in a pre-attack environment for force direction, force management, situation monitoring and planning. Messaging NC3 HS Nova/NIXT will upgrade the Nova hubsites, backbone and procure and field the NIXT to replace end-of-life legacy user terminals at shore communications stations. [P3A / W4009 Low Band Universal Communications System (LBUCS) Transmit]: LBUCS Transmit will modernize the transmit subsystem hardware, software and waveform components at Broadcast Keying Stations (BKSs), Broadcast Transmitter Station (BTSS) and Broadcast Control Authority (BCA) sites including the Very Low Frequency (VLF) Broadcast Builder, AN/URT-30B Integrated VLF Transmit Terminal (IVTT), IVTT Proxy, the MD-1310 Modulator, and the North Atlantic Treaty Organization (NATO) Interoperable Submarine Broadcast System (NISBS).												

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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 02: Communications & Electronics Equip / BSA 12: Submarine Communications	P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support

ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:								
Exhibits Schedule			Prior Years			FY 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)
Item - 1 / Submarine Broadcast Support	P-5		-	-	11.093	-	-	3.650	-	-	5.887	-	-	7.694	-	-	-	-	-	7.694
P-3a - 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit	P-3a		-	-	0.000	-	-	-	-	-	1.969	-	-	3.363	-	-	-	-	-	3.363
Total Gross/Weapon System Cost			-	-	11.093	-	-	3.650	-	-	7.856	-	-	11.057	-	-	-	-	-	11.057
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)
Item - 1 / Submarine Broadcast Support	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit	P-3a		-	-	10.568	-	-	1.942	-	-	-	-	-	-	-	-	-	-	-	17.842
Total Gross/Weapon System Cost			-	-	18.479	-	-	15.844	-	-	17.974	-	-	18.340	Continuing			Continuing		

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

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

Justification:

LBUCS Transmit: FY15 funding will provide for the procurement of LBUCS Transmit Low Rate Initial Production (LRIP) units.

Submarine Broadcast Support: FY15 Funding will provide for the procurement and installation of the bushings.

NOVA/NIXT: FY15 funding will provide for the procurement and installation of NIXT systems.

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support						Item Number / Title [DODIC]: 1 / Submarine Broadcast Support									
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>)		11.093	3.650	5.887	7.694	-	7.694	-	-	-	-	-	-						
Less PY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) (<i>\$ in Millions</i>)		11.093	3.650	5.887	7.694	-	7.694	-	-	-	-	-	-						
Plus CY Advance Procurement (<i>\$ in Millions</i>)		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority (<i>\$ in Millions</i>)		11.093	3.650	5.887	7.694	-	7.694	-	-	-	-	-	-						
(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.																			
Cost Elements	ID CD	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)
Hardware - W4008 Transmission Equipment Cost																			
Recurring Cost																			
1.1.1) W4008 Transmission Equipment ⁽¹⁾		-	-	8.537	455.000	4	1.820	-	-	-	464.714	7	3.253	-	-	-	464.714	7	3.253
Subtotal: Recurring Cost		-	-	8.537	-	-	1.820	-	-	-	-	-	3.253	-	-	-	-	-	3.253
Subtotal: Hardware - W4008 Transmission Equipment Cost		-	-	8.537	-	-	1.820	-	-	-	-	-	3.253	-	-	-	-	-	3.253
Hardware - Installations - W4008 Transmission Equipment Cost																			
Recurring Cost																			
2.1.1) Transmission Equipment Installation (W4776) ⁽²⁾		-	-	0.000	-	-	1.830	-	-	-	-	-	1.939	-	-	-	-	-	1.939
Subtotal: Recurring Cost		-	-	0.000	-	-	1.830	-	-	-	-	-	1.939	-	-	-	-	-	1.939
Subtotal: Hardware - Installations - W4008 Transmission Equipment Cost		-	-	0.000	-	-	1.830	-	-	-	-	-	1.939	-	-	-	-	-	1.939
Hardware - W4009 Low Band Universal Communications System (LBUCS), Receive Cost																			
Recurring Cost																			
3.1.1) W4009 LBUCS Receive ⁽³⁾		-	-	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 / 02 / 12							P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support							Item Number / Title [DODIC]: 1 / Submarine Broadcast Support						
Cost Elements	ID CD	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)	
Subtotal: Hardware - W4009 Low Band Universal Communications System (LBUCS), Receive Cost																				
Hardware - Installations - W4009 Low Band Universal Communications System (LBUCS), Receive Cost																				
Recurring Cost																				
4.1.1) LBUCS Receive Installation Ashore (W4776) ⁽⁴⁾			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
4.1.2) LBUCS Receive Installation Afloat (W4777) ⁽⁵⁾			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - Installations - W4009 Low Band Universal Communications System (LBUCS), Receive Cost			-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - W4010 Messaging Nuclear Command Control Communications (NC3) Hybrid Solution (HS) NOVA/NIXT Cost																				
Recurring Cost																				
5.1.1) Nova Equipment ⁽⁶⁾			-	-	0.000	-	-	-	206.000	5	1.030	-	-	-	-	-	-	-	-	
5.1.2) NIXT Equipment ⁽⁷⁾			19.220	50	0.961	-	-	-	35.556	45	1.600	60.000	3	0.180	-	-	-	60.000	3	0.180
Subtotal: Recurring Cost			-	-	0.961	-	-	-	-	-	2.630	-	-	0.180	-	-	-	-	-	0.180
Subtotal: Hardware - W4010 Messaging Nuclear Command Control Communications (NC3) Hybrid Solution (HS) NOVA/ NIXT Cost			-	-	0.961	-	-	-	-	-	2.630	-	-	0.180	-	-	-	-	-	0.180
Hardware - W4776 Ashore Installations Cost																				
Recurring Cost																				
6.1.1) Nova Installation ⁽⁸⁾			-	-	0.000	-	-	-	-	-	0.404	-	-	0.351	-	-	-	-	-	0.351
6.1.2) NIXT Installation			-	-	0.617	-	-	-	-	-	2.700	-	-	1.765	-	-	-	-	-	1.765
Subtotal: Recurring Cost			-	-	0.617	-	-	-	-	-	3.104	-	-	2.116	-	-	-	-	-	2.116
Subtotal: Hardware - W4776 Ashore Installations Cost			-	-	0.617	-	-	-	-	-	3.104	-	-	2.116	-	-	-	-	-	2.116
Support - Support Cost																				

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12							P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support							Item Number / Title [DODIC]: 1 / Submarine Broadcast Support					
Cost Elements	ID CD	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)
7.1) Transmission Equipment Production Support		-	-	0.978	-	-	-	-	-	-	-	-	0.196	-	-	-	-	-	0.196
7.2) LBUCS Receive Production Support		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) LBUCS Receive Engineering Change Requests		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) LBUCS Receive DSA ⁽⁹⁾		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) Nova Production Support		-	-	0.000	-	-	-	-	-	0.060	-	-	-	-	-	-	-	-	-
7.6) NIXT Production Support		-	-	0.000	-	-	-	-	-	0.093	-	-	0.010	-	-	-	-	-	0.010
Subtotal: Support - Support Cost		-	-	0.978	-	-	-	-	-	0.153	-	-	0.206	-	-	-	-	-	0.206
Gross/Weapon System Cost		-	-	11.093	-	-	3.650	-	-	5.887	-	-	7.694	-	-	-	-	-	7.694

Cost Elements	ID CD	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)
Hardware - W4008 Transmission Equipment Cost																			
Recurring Cost																			
1.1.1) W4008 Transmission Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - W4008 Transmission Equipment Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Installations - W4008 Transmission Equipment Cost																			
Recurring Cost																			
2.1.1) Transmission Equipment Installation (W4776)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Installations - W4008 Transmission Equipment Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - W4009 Low Band Universal Communications System (LBUCS), Receive Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12								P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support						Item Number / Title [DODIC]: 1 / Submarine Broadcast Support					
Cost Elements	ID CD	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)
Recurring Cost																			
3.1.1) W4009 LBUCS Receive		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - W4009 Low Band Universal Communications System (LBUCS), Receive Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - Installations - W4009 Low Band Universal Communications System (LBUCS), Receive Cost																			
Recurring Cost																			
4.1.1) LBUCS Receive Installation Ashore (W4776)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) LBUCS Receive Installation Afloat (W4777)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Installations - W4009 Low Band Universal Communications System (LBUCS), Receive Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - W4010 Messaging Nuclear Command Control Communications (NC3) Hybrid Solution (HS) NOVA/NIXT Cost																			
Recurring Cost																			
5.1.1) Nova Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) NIXT Equipment		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - W4010 Messaging Nuclear Command Control Communications (NC3) Hybrid Solution (HS) NOVA/ NIXT Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - W4776 Ashore Installations Cost																			
Recurring Cost																			
6.1.1) Nova Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.1.2) NIXT Installation		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - W4776 Ashore Installations Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12							P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support							Item Number / Title [DODIC]: 1 / Submarine Broadcast Support					
Cost Elements	ID CD	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)
Support - Support Cost																			
7.1) Transmission Equipment Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) LBUCS Receive Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) LBUCS Receive Engineering Change Requests		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) LBUCS Receive DSA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.5) Nova Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.6) NIXT Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Support Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Footnotes: (1) Transmission Equipment funds the LaMoure modernization, Bushings, Insulators, and other equipment used in Submarine Broadcast. Unit costs vary due to unique equipment and site configurations. (2) Installation costs vary due to unique site configurations. (3) Unit costs vary due to unique equipment configurations. (4) Install costs vary due to unique ashore configurations. (5) Install costs vary due to unique afloat configurations. (6) Unit cost fluctuation is due to procurement of variable systems to support Nova configurations (7) Unit cost fluctuation is due to procurement of variable systems to support NIXT configurations. (8) 3 units are being installed in FY14, 2 Nova units installed in FY15 were procured in FY14. The delivery time from first delivery to second delivery is 7 months which is outside of the allowable 15 month installation policy, therefore FY15 funds are used to install product from the second delivery (9) DSA funding supports development of installation drawings.																			

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support	Modification Number / Title: 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit

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	-	1.969	3.363	-	3.363	10.568	1.942	-	-	-	17.842
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.969	3.363	-	3.363	10.568	1.942	-	-	-	17.842
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.969	3.363	-	3.363	10.568	1.942	-	-	-	17.842

(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:

LBUCS Transmit will modernize the transmit subsystem hardware, software and waveform components at Broadcast Keying Stations (BKSs), Broadcast Transmitter Stations (BTSs) and Broadcast Control Authority (BCA) sites including the Very Low Frequency (VLF) Broadcast Builder, AN/URT-30B Integrated VLF Transmit Terminal (IVTT), IVTT Proxy, the MD-1310 Modulator, and the North Atlantic Treaty Organization (NATO) Interoperable Submarine Broadcast System (NISBS).

LBUCS Milestone C review and approval has slipped from 2nd qtr of 2014 to 3rd qtr of FY14. Related RDTE PE: 0101402N

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support				Modification Number / Title: 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit					
Models of Systems Affected: VLF Broadcast System				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0101402N					
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: W4009 Low Band Universal Communications System (LBUCS) Transmit													
A Kits													
Non-Recurring													
2.1.1) Broadcast Keying Station (BKS) - NonOrganic ⁽¹⁰⁾	- / -	- / -	2 / 1.062	2 / 1.062	- / -	2 / 1.062	26 / 4.584	- / -	- / -	- / -	- / -	30 / 6.708	
2.1.2) Broadcast Transmitter Station (BTS) - NonOrganic ⁽¹¹⁾	- / -	- / -	4 / 0.498	- / -	- / -	- / -	22 / 3.875	- / -	- / -	- / -	- / -	26 / 4.373	
Subtotal: Non-Recurring	- / 0.000	- / -	- / 1.560	- / 1.062	- / -	- / 1.062	- / 8.459	- / -	- / -	- / -	- / -	- / 11.081	
Subtotal: W4009 Low Band Universal Communications System (LBUCS) Transmit	- / -	- / -	6 / 1.560	2 / 1.062	- / -	2 / 1.062	48 / 8.459	- / -	- / -	- / -	- / -	56 / 11.081	
Subtotal: Procurement, All Modification Items	- / 0.000	- / -	- / 1.560	- / 1.062	- / -	- / 1.062	- / 8.459	- / -	- / -	- / -	- / -	- / 11.081	
Support (All Modification Items)													
3.1) Production Support	- / 0.000	- / -	- / 0.093	- / 0.062	- / -	- / 0.062	- / 0.301	- / -	- / -	- / -	- / -	- / 0.456	
3.2) DSA Non Recurring ⁽¹²⁾	- / 0.000	- / -	- / 0.213	- / 0.872	- / -	- / 0.872	- / 0.049	- / 0.107	- / -	- / -	- / -	- / 1.241	
3.3) Data Logistics ⁽¹³⁾	- / 0.000	- / -	- / 0.103	- / 0.244	- / -	- / 0.244	- / 0.350	- / 0.113	- / -	- / -	- / -	- / 0.810	
3.4) Engineering Change Requests	- / 0.000	- / -	- / -	- / 0.333	- / -	- / 0.333	- / 0.264	- / -	- / -	- / -	- / -	- / 0.597	
Subtotal: Support	- / 0.000	- / -	- / 0.409	- / 1.511	- / -	- / 1.511	- / 0.964	- / 0.220	- / -	- / -	- / -	- / 3.104	
Installation													
Modification Item 1 of 1: W4009 Low Band Universal Communications System (LBUCS) Transmit	- / 0.000	- / -	- / -	- / 0.790	- / -	- / 0.790	- / 1.145	- / 1.722	- / -	- / -	- / -	- / 3.657	
Subtotal: Installation	- / 0.000	- / -	- / -	- / 0.790	- / -	- / 0.790	- / 1.145	- / 1.722	- / -	- / -	- / -	- / 3.657	
Total													
Total Cost (Procurement + Support + Installation)	0.000	-	1.969	3.363	-	3.363	10.568	1.942	-	-	-	17.842	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support	Modification Number / Title: 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit

Modification Item 1 of 1: W4009 Low Band Universal Communications System (LBUCS) Transmit

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD Manufacturer Location: >TBD

Administrative Leadtime (in Months): 2 Production Leadtime (in Months): 1

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

Installation Information

Method of Implementation: Alteration Installation Team : Installation Name: Broadcast Keying & Transmit Sites

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	- / -	- / -	- / -	6 / 0.494	- / -	6 / 0.494	- / -	- / -	- / -	- / -	- / -	6 / 0.494
FY 2015	- / -	- / -	- / -	2 / 0.296	- / -	2 / 0.296	- / -	- / -	- / -	- / -	- / -	2 / 0.296
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.145	24 / 1.722	- / -	- / -	- / -	48 / 2.867
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	8 / 0.790	- / -	8 / 0.790	24 / 1.145	24 / 1.722	- / -	- / -	- / -	56 / 3.657

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	6	-	-	-	-	16	8	8	8	8	-	-	-	-	-	-	-	-	-	56
Out	-	-	-	-	-	-	-	-	-	-	2	4	2	-	-	-	12	12	8	8	8	-	-	-	-	-	-	-	-	-	56

Footnotes:
⁽¹⁰⁾ Production costs for Broadcast Keying Station (BKS) equipment vary due to unique site configuration and mix on Continental United States (CONUS) and OCONUS locations. Cost and duration for BKS installations are greater than Broadcast Transmitter Station (BTS) due to complexity of the BKS system. Install costs for BKS equipment vary due to unique site configuration and mix on Continental United States

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3107 / Submarine Broadcast Support	Modification Number / Title: 1 / W4009 Low Band Universal Communications System (LBUCS) Transmit

(CONUS) and OCONUS locations. BKS Low Rate Initial Production (LRIP) units are more expensive to procure and install due to unique configuration of the receiving sites. LBUCS Transmit equipment and cables will be installed in racks and must go through acceptance and integration testing prior to installation outbrief.

⁽¹¹⁾ Production costs for Broadcast Transmitter Station (BTS) equipment vary due to unique site configuration and mix on Continental United States (CONUS) and Outside Continental United States (OCONUS) locations. Install costs for BTS equipment vary due to unique site configuration and mix on CONUS and OCONUS locations. LBUCS Transmit equipment and cables will be installed in racks and must go through acceptance and integration testing prior to installation outbrief.

⁽¹²⁾ Design Services Allocation (DSA) funding supports development of installation drawings.

⁽¹³⁾ Data logistics funds the initial logistics package and deficiency corrections post 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 02: Communications & Electronics Equip / BSA 12: Submarine Communications							P-1 Line Item Number / Title: 3130 / Submarine Communication 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>)	901.373	58.916	64.376	67.852	-	67.852	53.483	66.742	73.310	74.929	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	901.373	58.916	64.376	67.852	-	67.852	53.483	66.742	73.310	74.929	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	901.373	58.916	64.376	67.852	-	67.852	53.483	66.742	73.310	74.929	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>)	-	2.555	0.938	1.016	-	1.016	0.769	1.477	0.879	1.029	Continuing	Continuing
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: PROGRAM COVERAGE: The Submarine Communications Program mission is to create a common, automated, open system architecture radio room for all submarine classes. The program provides for the procurement and installation of systems incorporating the technical advances of network centric warfare to allow the submarine force to communicate as part of the Battle Group. The program addresses the unique demands of submarine communications, stealth, obsolescence issues and higher data rate requirements. [P40A / L0035 Antenna Modifications]: - Antenna modifications provide for the procurement and installation of field change kits of legacy antenna equipment (Towed Buoy Antenna BRR-6/6B, OE-315, AN/ BRA-24, AN/BRA-6B, BRT-1/1A). These modifications address performance issues, improve reliability and maintainability, decrease vulnerability, and provide cost effective technology refresh. Modifications are applicable to all submarine classes (LOS ANGELES, SEAWOLF, OHIO SSBN/SSGN, and VIRGINIA) and are implemented on a Fleet priority basis. [P40A / L0099 Towed Buoy Antenna BRR-6/6B Reliability Improvements]: - The Towed Buoy Antenna BRR-6/6B reliability improvements provide for the procurement and installation of field change kits of the Towed Buoy Antenna BRR-6/6B to improve system performance (measured by operational availability) and reliability (measured by mean time between failures); improvements are applicable to SSBN only. [P3A / L0080 OE-538/BRC Inc 2]: OUTBOARD ELECTRONICS (OE)-538 & OE-592 ANTENNA GROUP - The OE-538 System is currently installed on all submarine classes. The Increment 2 effort upgrades the system to support emerging submarine communications requirements: Mobile User Objective System (MUOS), Link-16 Tactical Data Link and Iridium. [P3A - 2 / L0087 Submarine High Data Rate Antenna]: SUBMARINE HIGH DATA RATE (SubHDR) SATELLITE COMMUNICATIONS SYSTEM - The Submarine HDR system provides submarines with antennas that have the bandwidth, gain, and flexibility to meet the stated Commander, Submarine Force, United States Atlantic Fleet/Commander, Submarine Force, US Pacific Fleet (COMSUBLANT/COMSUBPAC) requirements for HDR communications in the Super High Frequency (SHF) and Extremely High Frequency (EHF) frequency spectrums. The Radome provides a watertight enclosure for the antenna and associated electronics, as well as being a transparent window for Radio Frequency, (RF) communication signals to pass through. This radome needs to be replaced with a newly designed radome because the existing radome is experiencing severe cracking after only 3 to 4 years of service, at which time it is required to be pulled from service in order to prevent an implosion. This new design will prevent those cracks from occurring. [P3A - 3 / L0084 CSRR-SSBN (OHIO)]: COMMON SUBMARINE RADIO ROOM (CSRR) (L0084) - The CSRR is a completely interoperable submarine communications system operating within the FORCEnet architecture, which provides consistent and reliable two-way, modern, Internet Protocol (IP) connectivity to joint and combined forces. This evolutionary system achieves unmatched capability, cost reduction, and future technology integration via a multimedia, circuit sharing, and Commercial Off-The-Shelf (COTS) based open architecture that serves as the shipboard automated communications control 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 02: Communications & Electronics Equip / BSA 12: Submarine Communications										P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										
ID Code (A=Service Ready, B=Not Service Ready) : A					Program Elements for Code B Items:							Other Related Program Elements:								
The CSRR provides a common functional External Communications System (ECS) baseline, as well as commonality of hardware and software across all submarine classes and is leveraged by the VIRGINIA Shipbuilding Conversion, Navy (SCN) program. Procurement in this line is for the radio room workstations, chassis, common power supplies, power distribution units, cabling, mounting kits and ancillary components required to integrate submarine communication equipment. The Radio Frequency Distribution and Control System (RFDACS) technology update brings COTS functionality and supportability to the Submarine antenna system. This procurement supports LOS ANGELES, SEAWOLF, VIRGINIA and OHIO (SSBN and SSGN) class submarines.																				
[P3A - 8 / L0097 Submarine Local Area Network]: Provides a robust shipboard backbone Information Technology (IT) network with multiple classification enclaves that, along with the Common Submarine Radio Room (CSRR) and Automated Digital Network System (ADNS), provides end-to-end wideband connectivity to the global Defense Information System Networks (DISN) (Secret Internet Protocol Router Network and Nonclassified Internet Protocol Router Network). SubLAN is designed in accordance with the IT for the 21st Century fleet initiative, and thus SubLAN will support greatly improved connectivity to, and interoperability with, the carrier strike group (CSG) and expeditionary strike group (ESG) commander, thereby achieving network-centric warfare, and with shore commands. The SubLAN network is enhanced for mission-critical tactical applications, and as such SubLAN forms the medium that will interconnect Sonar, Combat, Electronic Surveillance Measures, Radio, etc., and permits the seamless exchange of warfighting tactical data between these systems and with the CSG/ESG commander. The SubLAN tactical backbone replicates the functionality of the United States Ship (USS) Virginia class network architecture, allowing back fit of VIRGINIA class tactical subsystem modernization into existing submarines. The SubLAN shipboard IT infrastructure is being designed as an all-COTS, open-system architecture such that it will permit other electronic subsystem programs to rely on SubLAN for subsystem interconnectivity (rather than having each subsystem install its own IT network); the revolutionary approach of treating the shipboard network as a basic utility (like water, power and lighting) will support the efficient and economic modernization of the various electronic subsystems.																				

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)
Submarine Communication Equipment	P-40a		-	-	41.643	-	-	1.650	-	-	2.315	-	-	4.822	-	-	-	-	-	4.822
P-3a - 1 / L0080 OE-538/ BRC Inc 2	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	7.319	-	-	-	-	-	7.319
P-3a - 2 / L0087 Submarine High Data Rate Antenna	P-3a		-	-	386.423	-	-	6.330	-	-	5.378	-	-	5.256	-	-	-	-	-	5.256
P-3a - 3 / L0084 CSRR-SSBN (OHIO)	P-3a		-	-	182.042	-	-	8.487	-	-	14.011	-	-	9.536	-	-	-	-	-	9.536
P-3a - 4 / L0084 CSRR-SSGN (OHIO) Mod Upgrades	P-3a		-	-	20.363	-	-	6.427	-	-	1.588	-	-	4.416	-	-	-	-	-	4.416
P-3a - 5 / L0084 CSRR-SSN (SEAWOLF)	P-3a		-	-	40.070	-	-	3.231	-	-	6.024	-	-	3.738	-	-	-	-	-	3.738
P-3a - 6 / L0084 CSRR-SSN (VIRGINIA) Mod Upgrades	P-3a		-	-	28.869	-	-	7.233	-	-	0.422	-	-	10.428	-	-	-	-	-	10.428
P-3a - 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	P-3a		-	-	74.859	-	-	22.012	-	-	29.480	-	-	18.800	-	-	-	-	-	18.800
P-3a - 8 / L0097 Submarine Local Area Network	P-3a		-	-	127.104	-	-	3.546	-	-	5.158	-	-	3.537	-	-	-	-	-	3.537
Total Gross/Weapon System Cost			-	-	901.373	-	-	58.916	-	-	64.376	-	-	67.852	-	-	-	-	-	67.852

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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 02: Communications & Electronics Equip / BSA 12: Submarine Communications										P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										
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)
Submarine Communication Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / L0080 OE-538/ BRC Inc 2	P-3a		-	-	6.773	-	-	18.848	-	-	21.290	-	-	21.701	-	-	55.140	-	-	131.071
P-3a - 2 / L0087 Submarine High Data Rate Antenna	P-3a		-	-	6.123	-	-	4.366	-	-	3.446	-	-	3.513	-	-	3.101	-	-	423.936
P-3a - 3 / L0084 CSRR-SSBN (OHIO)	P-3a		-	-	9.158	-	-	14.867	-	-	9.883	-	-	6.713	Continuing			Continuing		
P-3a - 4 / L0084 CSRR-SSGN (OHIO) Mod Upgrades	P-3a		-	-	1.592	-	-	0.947	-	-	2.541	-	-	1.680	Continuing			Continuing		
P-3a - 5 / L0084 CSRR-SSN (SEAWOLF)	P-3a		-	-	-	-	-	0.959	-	-	1.452	-	-	1.141	Continuing			Continuing		
P-3a - 6 / L0084 CSRR-SSN (VIRGINIA) Mod Upgrades	P-3a		-	-	10.418	-	-	7.014	-	-	3.844	-	-	15.510	Continuing			Continuing		
P-3a - 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	P-3a		-	-	13.210	-	-	11.813	-	-	5.538	-	-	3.434	Continuing			Continuing		
P-3a - 8 / L0097 Submarine Local Area Network	P-3a		-	-	3.491	-	-	3.578	-	-	3.643	-	-	3.725	Continuing			Continuing		
Total Gross/Weapon System Cost			-	-	53.483	-	-	66.742	-	-	73.310	-	-	74.929	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.																				

Justification:

- FY15 Towed Buoy Antenna BRR-6/6B: Procure and install multiple field change kits to improve system performance (measured by operational availability) and reliability (measured by mean time between failure).
- FY15 CSRR: Implements CSRR on LOS ANGELES class submarines and modernizes CSRR on OHIO (SSBN and SSGN), SEAWOLF and VIRGINIA platforms.
- FY15 SubHDR: Continues procurement of new radomes to replace existing cracking radomes.
- FY15 OE-538: Procure upgrade kits to support submarine communications requirements: Mobile User Objective System (MUOS), Link-16 Tactical Data Link and Iridium.

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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 / 02 / 12						P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment								Aggregated Items Title: Submarine Communication Equipment						
Item Number / Title [DODIC]	ID CD	MDAP/MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
1) L0035 Antenna Modifications																				
1.1) Antenna Modifications ⁽¹⁾	A		66.191	47	3.111	78.571	21	1.650	49.711	38	1.889	-	-	-	-	-	-	-	-	-
Subtotal: 1) L0035 Antenna Modifications			-	-	3.111	-	-	1.650	-	-	1.889	-	-	-	-	-	-	-	-	-
2) CSRR - Support Systems Mod Kits (Increment 1 Ver 3, 4 & 5) ⁽²⁾																				
2.1) Kit Quantity	A		3,029.750	8	24.238	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) Equipment - Mod Kits Inc 1 Ver 3 ⁽³⁾	A		1,805.333	3	5.416	-	-	-	-	-	-	2,202.000	1	2.202	-	-	-	2,202.000	1	2.202
2.3) Equipment - Mod Kits Inc 1 Ver 4	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) Equipment - Mod Kits Inc 1 Ver 5	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) Equipment - MRTS	A		281.000	8	2.248	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) Support Equipment	A		-	-	1.827	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) Environmental Qual. Testing	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.8) ShipALT/EFR	A		-	-	0.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) Production Support	A		-	-	-	-	-	-	-	-	-	-	-	0.132	-	-	-	-	-	0.132
2.10) Installation of Hardware	A		-	-	4.303	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) CSRR - Support Systems Mod Kits (Increment 1 Ver 3, 4 & 5)			-	-	38.532	-	-	-	-	-	-	-	-	2.334	-	-	-	-	-	2.334
3) L0099 Towed Buoy Antenna BRR-6/6B Reliability Improvements ⁽⁴⁾																				
3.1) Reliability Improvements ⁽⁵⁾	A		-	-	-	-	-	-	21.300	20	0.426	39.492	63	2.488	-	-	-	39.492	63	2.488
Subtotal: 3) L0099 Towed Buoy Antenna BRR-6/6B Reliability Improvements			-	-	0.000	-	-	-	-	-	0.426	-	-	2.488	-	-	-	-	-	2.488
Total			-	-	41.643	-	-	1.650	-	-	2.315	-	-	4.822	-	-	-	-	-	4.822

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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 / 02 / 12									P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment							Aggregated Items Title: Submarine Communication Equipment					
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) L0035 Antenna Modifications																					
1.1) Antenna Modifications ⁽¹⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 1) L0035 Antenna Modifications			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2) CSRR - Support Systems Mod Kits (Increment 1 Ver 3, 4 & 5) ⁽²⁾																					
2.1) Kit Quantity	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.2) Equipment - Mod Kits Inc 1 Ver 3 ⁽³⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.3) Equipment - Mod Kits Inc 1 Ver 4	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.4) Equipment - Mod Kits Inc 1 Ver 5	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.5) Equipment - MRTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.6) Support Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.7) Environmental Qual. Testing	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.8) ShipALT/EFR	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.9) Production Support	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2.10) Installation of Hardware	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 2) CSRR - Support Systems Mod Kits (Increment 1 Ver 3, 4 & 5)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
3) L0099 Towed Buoy Antenna BRR-6/6B Reliability Improvements ⁽⁴⁾																					
3.1) Reliability Improvements ⁽⁵⁾	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: 3) L0099 Towed Buoy Antenna BRR-6/6B Reliability Improvements			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Footnotes: ⁽¹⁾ Antenna Modifications quantities and unit costs vary based on system (e.g. Towed Buoy Antenna BRR-6, OE-315, BRA-24, etc.) and complexity of field change kits. Funds are sent to NSWC Carderock, Philadelphia and/or NUWC Newport and distributed to various contractors based on system components to be purchased. Installation costs included in procurement (Turnkey). ⁽²⁾ CSRR modernization kit unit cost is different for each version's configuration.																					

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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 / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Aggregated Items Title: Submarine Communication Equipment
(3) Reconfigurable lab assets for VIRGINIA/SEAWOLF, OHIO (SSBN and SSGN), LOS ANGELES modernization. Installation cost included in procurement (Turnkey). (4) Towed Buoy Antenna BRR-6/6B previously funded under Antenna Modifications for FY13 and prior years. (5) Towed Buoy Antenna BRR-6/6B quantities and unit cost vary based on complexity of component field change kits. Funds are sent to NSWC Carderock Philadelphia and NUWC Newport and distributed to various contractors based on components to be purchased. Installation costs included in procurement (Turnkey).		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 1 / L0080 OE-538/BRC Inc 2

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	-	-	7.319	-	7.319	6.773	18.848	21.290	21.701	55.140	131.071
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	-	7.319	-	7.319	6.773	18.848	21.290	21.701	55.140	131.071
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	-	7.319	-	7.319	6.773	18.848	21.290	21.701	55.140	131.071
<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:

Installation of OUTBOARD ELECTRONICS (OE)-538 & OE-592 ANTENNA GROUP (OE-538)

UNCLASSIFIED

LI 3130 - Submarine Communication Equipment
Navy

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12										P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										Modification Number / Title: 1 / L0080 OE-538/BRC Inc 2												
Modification Item 1 of 1: L0080 OE-538/BRC Inc 2																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Submarine Antenna Joint Venture															Manufacturer Location: >Marion, MA & Manchester, NH																	
Administrative Leadtime <i>(in Months)</i> : 5															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 2015																						
Delivery Dates										Mar 2016																						
Installation Information																																
Method of Implementation: [none specified] : Installation Name: Equipment - Increment 2 Upgrade Kits																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2013		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2014		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.308		- / -		- / -		- / -		- / -		- / -		2 / 0.308						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 0.943		- / -		- / -		- / -		- / -		6 / 0.943						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		23 / 3.691		- / -		- / -		- / -		23 / 3.691						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		18 / 2.949		- / -		- / -		18 / 2.949						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		22 / 3.680		- / -		22 / 3.680						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		41 / 7.067		- / -		41 / 7.067						
Total		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.308		6 / 0.943		23 / 3.691		18 / 2.949		63 / 10.747		112 / 18.638						
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	1	-	-	6	6	6	5	-	6	75	112
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	2	3	1	-	-	6	6	6	5	-	6	75	112
Footnotes: ⁽⁶⁾ OE-538 Increment 2 upgrade kit cost includes incidental factory labor. Unit cost varies by submarine class. Twenty-four (24) OE-538 Increment 2 systems do not require platform installation funding. These systems include nineteen (19) rotatable pools, two (2) test assets for First Article Test, and three (3) lab assets (two (2) SSBN/SSGN ITF; one (1) LOS ANGELES ITF). Production starting in FY18 includes Global Positioning System (GPS) Anti-Jam (AJ) capability funded by PMW/A 170 Sea NAVWAR Program.																																

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 2 / L0087 Submarine High Data Rate Antenna

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>	386.423	6.330	5.378	5.256	-	5.256	6.123	4.366	3.446	3.513	3.101	423.936
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	386.423	6.330	5.378	5.256	-	5.256	6.123	4.366	3.446	3.513	3.101	423.936
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	386.423	6.330	5.378	5.256	-	5.256	6.123	4.366	3.446	3.513	3.101	423.936

(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:

Installation of Submarine High Data Rate Antenna (SubHDR)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 2 / L0087 Submarine High Data Rate Antenna					
Models of Systems Affected: [No Model Specified]			Modification Type: Individual Modification Program					Related RDT&E PEs: 0604503N					
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: L0087 Submarine High Data Rate Antenna													
B Kits													
Recurring													
1.1.1) Equipment - SubHDR - NonOrganic ⁽⁷⁾	80 / 236.424	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	80 / 236.424	
1.1.2) Installation Kits - Organic	53 / 8.777	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	53 / 8.777	
1.1.3) Kit Upgrades - Organic	- / 2.298	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.298	
1.1.4) GBS/SHF Kit Upgrades - NonOrganic ⁽⁸⁾	87 / 22.809	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	87 / 22.809	
1.1.5) GBS Kits - NonOrganic ⁽⁹⁾	20 / 0.718	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.718	
1.1.6) Replacement Radomes - NonOrganic ⁽¹⁰⁾	13 / 3.678	31 / 5.590	14 / 4.456	14 / 4.579	- / -	14 / 4.579	16 / 5.396	10 / 3.721	6 / 2.950	6 / 3.077	5 / 2.750	115 / 36.197	
1.1.7) Support Equipment - Organic	3 / 1.938	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.938	
Subtotal: Recurring	- / 276.642	- / 5.590	- / 4.456	- / 4.579	- / -	- / 4.579	- / 5.396	- / 3.721	- / 2.950	- / 3.077	- / 2.750	- / 309.161	
Subtotal: L0087 Submarine High Data Rate Antenna	256 / 276.642	31 / 5.590	14 / 4.456	14 / 4.579	- / -	14 / 4.579	16 / 5.396	10 / 3.721	6 / 2.950	6 / 3.077	5 / 2.750	358 / 309.161	
Subtotal: Procurement, All Modification Items	- / 276.642	- / 5.590	- / 4.456	- / 4.579	- / -	- / 4.579	- / 5.396	- / 3.721	- / 2.950	- / 3.077	- / 2.750	- / 309.161	
Support (All Modification Items)													
2.1) Production Support	- / 6.368	- / 0.408	- / 0.284	- / 0.290	- / -	- / 0.290	- / 0.327	- / 0.224	- / 0.166	- / 0.195	- / 0.175	- / 8.437	
2.2) Other (DSA)	- / 5.831	- / 0.137	- / 0.173	- / 0.177	- / -	- / 0.177	- / 0.190	- / 0.181	- / 0.180	- / 0.181	- / 0.176	- / 7.226	
Subtotal: Support	- / 12.199	- / 0.545	- / 0.457	- / 0.467	- / -	- / 0.467	- / 0.517	- / 0.405	- / 0.346	- / 0.376	- / 0.351	- / 15.663	
Installation													
Modification Item 1 of 1: L0087 Submarine High Data Rate Antenna	- / 97.582	- / 0.195	- / 0.465	- / 0.210	- / -	- / 0.210	- / 0.210	- / 0.240	- / 0.150	- / 0.060	- / -	- / 99.112	
Subtotal: Installation	- / 97.582	- / 0.195	- / 0.465	- / 0.210	- / -	- / 0.210	- / 0.210	- / 0.240	- / 0.150	- / 0.060	- / -	- / 99.112	
Total													
Total Cost (Procurement + Support + Installation)	386.423	6.330	5.378	5.256	-	5.256	6.123	4.366	3.446	3.513	3.101	423.936	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12										P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										Modification Number / Title: 2 / L0087 Submarine High Data Rate Antenna											
Modification Item 1 of 1: L0087 Submarine High Data Rate Antenna																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: Raytheon ⁽¹¹⁾														Manufacturer Location: >Marlborough, MA																	
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		Jun 2013				Mar 2014				Mar 2015																					
Delivery Dates		Jun 2014				Mar 2015				Mar 2016																					
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Submarine High Data Rate Antenna																															
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		164 / 97.582		13 / 0.195		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		177 / 97.777					
FY 2013		- / -		- / -		31 / 0.465		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		31 / 0.465					
FY 2014		- / -		- / -		- / -		14 / 0.210		- / -		14 / 0.210		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.210					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		14 / 0.210		- / -		- / -		- / -		- / -		- / -		14 / 0.210					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		16 / 0.240		- / -		- / -		- / -		- / -		16 / 0.240					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		10 / 0.150		- / -		- / -		- / -		10 / 0.150					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		4 / 0.060		- / -		- / -		4 / 0.060					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		164 / 97.582		13 / 0.195		31 / 0.465		14 / 0.210		- / -		14 / 0.210		14 / 0.210		16 / 0.240		10 / 0.150		4 / 0.060		- / -		- / -		266 / 99.112					
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	164	-	-	-	-	-	2	3	8	9	8	11	12	5	-	5	6	3	-	5	6	5	-	5	5	-	-	4	-	-	266
Out	164	-	-	-	-	-	2	3	8	9	8	11	12	5	-	5	6	3	-	5	6	5	-	5	5	-	-	4	-	-	266
Method of Implementation (Organic): Organic - Installation Kits																												Installation Quantity: 53			
Method of Implementation (Organic): Not Installed - Support Equipment																												Installation Quantity: 3			

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 2 / L0087 Submarine High Data Rate Antenna
Footnotes: ⁽⁷⁾ Ten (10) SubHDR systems do not require installation funding. These systems include: three (3) Land Base System assets, seven (7) units assigned as a rotatable pool to accommodate equipment refurbishment. Installation quantities include antenna and kit quantities. ⁽⁸⁾ Thirteen (13) GBS/SHF Kit procurements do not require installation funding. Included in this are seven (7) kits procured in FY09 and six (6) kits procured in FY12. These kits are for the three (3) Land Base System assets, seven (7) units assigned as a rotatable pool, one (1) unit for spare, and two (2) units for Navy Multiband Terminal (NMT) program. ⁽⁹⁾ The twenty (20) GBS kits were procured to align with the twenty (20) SHF only kits received from the vendor as part of consideration via a contract modification, resulting in 20 complete GBS/SHF kits, and a total of 107 GBS/SHF kits. ⁽¹⁰⁾ The 13 Replacement Radomes procured in FY12 will be installed in FY14 as a result of a delay in contract award until 4th quarter FY12. Additional thirty five (35) antennas procured as follows: twenty-four (24) Ship Construction Navy (SCN) which are transitioning to Fleet Modernization Program (FMP); one (1) for spares; two (2) units for Navy Multi-Band Terminal (NMT) Program; and eight (8) SCN Virginia Class Flight III, resulting in a requirement for 115 Replacement Radomes. Radome costs for FY14 and following years are higher due to reduced quantity buys in those years, as well as higher escalation costs applied by the vendor. ⁽¹¹⁾ Replacement Radomes - Current Contract		

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 3 / L0084 CSRR-SSBN (OHIO)			

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>)	182.042	8.487	14.011	9.536	-	9.536	9.158	14.867	9.883	6.713	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	182.042	8.487	14.011	9.536	-	9.536	9.158	14.867	9.883	6.713	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	182.042	8.487	14.011	9.536	-	9.536	9.158	14.867	9.883	6.713	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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of CSRR upgrades on SSBN (OHIO) Class submarines.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment					Modification Number / Title: 3 / L0084 CSRR-SSBN (OHIO)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604503N						
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: L0084 CSRR-SSBN (OHIO)													
B Kits													
Recurring													
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic	14 / 101.697	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 101.697	
1.1.2) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic ⁽¹²⁾	13 / 6.727	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 6.727	
1.1.3) Equipment - RFDACS Mod Kits Increment 1 Ver 1 - NonOrganic	14 / 7.337	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 7.337	
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic ⁽¹³⁾	- / -	3 / 5.702	3 / 5.873	2 / 4.033	- / -	2 / 4.033	2 / 4.154	4 / 8.557	- / -	- / -	Continuing	Continuing	
1.1.5) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic ⁽¹⁴⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.030	3 / 0.771	3 / 0.794	Continuing	Continuing	
1.1.6) Equipment - Mod Kits Increment 1 Ver 5 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.539	Continuing	Continuing	
1.1.7) Equipment - RFDACS - Organic ⁽¹⁵⁾	15 / 11.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 11.016	
Subtotal: Recurring	- / 126.777	- / 5.702	- / 5.873	- / 4.033	- / -	- / 4.033	- / 4.154	- / 9.587	- / 0.771	- / 5.333	Continuing	Continuing	
Subtotal: L0084 CSRR-SSBN (OHIO)	56 / 126.777	3 / 5.702	3 / 5.873	2 / 4.033	- / -	2 / 4.033	2 / 4.154	8 / 9.587	3 / 0.771	5 / 5.333	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 126.777	- / 5.702	- / 5.873	- / 4.033	- / -	- / 4.033	- / 4.154	- / 9.587	- / 0.771	- / 5.333	Continuing	Continuing	
Support (All Modification Items)													
2.1) Engineering Nonrecurring	- / 3.166	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.166	
2.2) Production Facility Establishment	- / 1.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.500	
2.3) ShipALT/DSA Nonrecurring ⁽¹⁶⁾	- / 3.396	- / 0.684	- / 0.793	- / -	- / -	- / -	- / 0.450	- / 0.550	- / 0.450	- / 0.132	Continuing	Continuing	
2.4) Enterprise Change Request ⁽¹⁷⁾	- / 3.465	- / 0.288	- / 0.783	- / 0.649	- / -	- / 0.649	- / 0.325	- / 0.325	- / 0.508	- / -	Continuing	Continuing	
2.5) Data/Logistics ⁽¹⁸⁾	- / 3.032	- / 1.320	- / 0.599	- / -	- / -	- / -	- / 0.624	- / 0.425	- / -	- / -	Continuing	Continuing	
2.6) Production Support	- / 9.688	- / 0.493	- / 0.477	- / 0.242	- / -	- / 0.242	- / 0.295	- / 0.574	- / 0.084	- / 0.322	Continuing	Continuing	
2.7) Other (DSA Recurring)	- / 5.611	- / -	- / 1.038	- / 0.485	- / -	- / 0.485	- / 0.476	- / 0.487	- / 0.798	- / 0.254	Continuing	Continuing	
Subtotal: Support	- / 29.858	- / 2.785	- / 3.690	- / 1.376	- / -	- / 1.376	- / 2.170	- / 2.361	- / 1.840	- / 0.708	Continuing	Continuing	
Installation													
Modification Item 1 of 1: L0084 CSRR-SSBN (OHIO)	- / 25.407	- / -	- / 4.448	- / 4.127	- / -	- / 4.127	- / 2.834	- / 2.919	- / 7.272	- / 0.672	Continuing	Continuing	
Subtotal: Installation	- / 25.407	- / -	- / 4.448	- / 4.127	- / -	- / 4.127	- / 2.834	- / 2.919	- / 7.272	- / 0.672	Continuing	Continuing	
Total													

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment						Modification Number / Title: 3 / L0084 CSRR-SSBN (OHIO)			
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604503N					
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>	
Total Cost (Procurement + Support + Installation)	182.042	8.487	14.011	9.536	-	9.536	9.158	14.867	9.883	6.713	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12					P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										Modification Number / Title: 3 / L0084 CSRR-SSBN (OHIO)																
Modification Item 1 of 1: L0084 CSRR-SSBN (OHIO)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SAIC ⁽¹⁹⁾													Manufacturer Location: >Charleston, SC																		
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 2013			Feb 2014			Jan 2015																							
Delivery Dates		Apr 2014			Feb 2015			Jan 2016																							
Installation Information																															
Method of Implementation: [none specified] : Installation Name: SSBN Ohio																															
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		41 / 25.407	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 25.407																		
FY 2013		- / -	- / -	3 / 4.448	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 4.448																		
FY 2014		- / -	- / -	- / -	3 / 4.127	- / -	3 / 4.127	- / -	- / -	- / -	- / -	- / -	3 / 4.127																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.834	- / -	- / -	- / -	- / -	2 / 2.834																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.919	- / -	- / -	- / -	2 / 2.919																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.272	- / -	- / -	8 / 7.272																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.672	- / -	3 / 0.672																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing																		
Total		41 / 25.407	- / -	3 / 4.448	3 / 4.127	- / -	3 / 4.127	2 / 2.834	2 / 2.919	8 / 7.272	3 / 0.672	Continuing	Continuing																		
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	41	-	-	-	-	-	-	2	-	1	-	-	2	1	1	1	-	-	2	-	-	-	4	3	1	-	2	-	-	6	67
Out	41	-	-	-	-	-	-	1	1	-	1	-	1	1	1	2	-	-	-	-	2	-	-	6	2	-	1	1	-	6	67
Method of Implementation (Organic): Organic - Equipment - RFDACS																															
Installation Quantity: 15																															
Footnotes: ⁽¹²⁾ SSBN quantity reflected at 13 due to one SSBN Increment 1 Ver 1 being Ship Construction Navy (SCN) funded.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 3 / L0084 CSRR-SSBN (OHIO)
(13) SSBN quantities reflect alignment with N9 installation availabilities. CSRR Inc 1 V3 price of cabling is not following the normal escalation rate due to copper price increases. (14) CSRR modernization kit installation cost is different for each version. (15) RFDACS procured as a separate CSRR component but fielded as part of the CSRR Inc1 V0 Baseline installations. (16) Funding supports development of Government Furnished Information (GFI) package for the ship planning yard in year one and ship installation drawings in year two. (17) The Enterprise Change Request (ECR) is a configuration control process rigorously implemented for the approval of new baselines or for changes that impact baselines. (18) Funds the initial logistics package, consisting of multiple individual products, for each modernization baseline. Funding for each logistics product is funded the year prior to and the year a specific product is procured. (19) Production lead time for upgrade kits varies from 3 to 12 months depending on the contents of each kit and the specific components being modernized.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 4 / L0084 CSRR-SSGN (OHIO) Mod 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>)	20.363	6.427	1.588	4.416	-	4.416	1.592	0.947	2.541	1.680	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	20.363	6.427	1.588	4.416	-	4.416	1.592	0.947	2.541	1.680	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	20.363	6.427	1.588	4.416	-	4.416	1.592	0.947	2.541	1.680	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of CSRR and upgrades on SSGN (OHIO) Class Submarines

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 4 / L0084 CSRR-SSGN (OHIO) Mod Upgrades					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0604503N					
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: L0084 CSRR-SSGN (OHIO) Mod Upgrades													
B Kits													
Recurring													
1.1.1) Equipment - Mod Kits Increment 1 Ver 1 - NonOrganic	4 / 4.384	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.384	
1.1.2) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	4 / 0.231	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.231	
1.1.3) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic ⁽²⁰⁾	1 / 2.063	2 / 4.250	- / -	1 / 2.254	- / -	1 / 2.254	- / -	- / -	- / -	- / -	- / -	4 / 8.567	
1.1.4) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.030	- / -	- / -	4 / 1.030	
1.1.5) Equipment - Mod Kits Increment 1 Ver 5 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
1.1.6) Support Equipment - Organic	- / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.500	
Subtotal: Recurring	- / 7.178	- / 4.250	- / -	- / 2.254	- / -	- / 2.254	- / -	- / -	- / 1.030	- / -	Continuing	Continuing	
Subtotal: L0084 CSRR-SSGN (OHIO) Mod Upgrades	9 / 7.178	2 / 4.250	- / -	1 / 2.254	- / -	1 / 2.254	- / -	- / -	4 / 1.030	- / -	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 7.178	- / 4.250	- / -	- / 2.254	- / -	- / 2.254	- / -	- / -	- / 1.030	- / -	Continuing	Continuing	
Support (All Modification Items)													
2.1) Enterprise Change Request/Nonrecurring ⁽²¹⁾	- / 1.788	- / 0.558	- / -	- / 0.447	- / -	- / 0.447	- / -	- / -	- / 0.555	- / -	Continuing	Continuing	
2.2) ShipALT/DSA Nonrecurring ⁽²²⁾	- / 1.621	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.522	- / 0.450	- / -	Continuing	Continuing	
2.3) Data/Logistics ⁽²³⁾	- / 3.617	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.425	- / 0.375	- / -	Continuing	Continuing	
2.4) Production Support	- / 0.917	- / 0.190	- / -	- / 0.135	- / -	- / 0.135	- / -	- / -	- / 0.131	- / -	Continuing	Continuing	
2.5) Other (DSA Recurring)	- / 0.604	- / 0.200	- / 0.322	- / 0.312	- / -	- / 0.312	- / 0.349	- / -	- / -	- / 0.382	Continuing	Continuing	
Subtotal: Support	- / 8.547	- / 0.948	- / 0.322	- / 0.894	- / -	- / 0.894	- / 0.349	- / 0.947	- / 1.511	- / 0.382	Continuing	Continuing	
Installation													
Modification Item 1 of 1: L0084 CSRR-SSGN (OHIO) Mod Upgrades	- / 4.638	- / 1.229	- / 1.266	- / 1.268	- / -	- / 1.268	- / 1.243	- / -	- / -	- / 1.298	Continuing	Continuing	
Subtotal: Installation	- / 4.638	- / 1.229	- / 1.266	- / 1.268	- / -	- / 1.268	- / 1.243	- / -	- / -	- / 1.298	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	20.363	6.427	1.588	4.416	-	4.416	1.592	0.947	2.541	1.680	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 4 / L0084 CSRR-SSGN (OHIO) Mod Upgrades

Modification Item 1 of 1: L0084 CSRR-SSGN (OHIO) Mod Upgrades

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SAIC ⁽²⁴⁾	Manufacturer Location: >Charleston, SC
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	Sep 2013		Jan 2015				
Delivery Dates	Aug 2014		Jan 2016				

Installation Information

Method of Implementation: [none specified] : Installation Name: SSGN OHIO

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 / 4.638	1 / 1.229	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 5.867
FY 2013	- / -	- / -	1 / 1.266	1 / 1.268	- / -	1 / 1.268	- / -	- / -	- / -	- / -	- / -	2 / 2.534
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.243	- / -	- / -	- / -	- / -	1 / 1.243
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.298	- / -	4 / 1.298
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Total	8 / 4.638	1 / 1.229	1 / 1.266	1 / 1.268	- / -	1 / 1.268	1 / 1.243	- / -	- / -	4 / 1.298	Continuing	Continuing

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	2	16
Out	8	-	-	-	-	-	-	1	-	1	-	1	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	1	1	2	16

Footnotes:

⁽²⁰⁾ Quantity reflects changes to latest fleet availabilities. Installation funds are required by the IMO 3 months prior to the start of the installation. Installation of 1 mod kit delayed from FY14 to FY15 due to Fleet rescheduling of availability period.

⁽²¹⁾ The Enterprise Change Request (ECR) is a configuration control process rigorously implemented for the approval of new baselines or for changes that impact baselines.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 4 / L0084 CSRR-SSGN (OHIO) Mod Upgrades
⁽²²⁾ Funding supports development of Government Furnished Information (GFI) package for the ship planning yard in year one and ship installation drawings in year two. ⁽²³⁾ Funds the initial logistics package, consisting of multiple individual products, for each modernization baseline. Funding for each logistics product is funded the year prior to and the year a specific product is procured. ⁽²⁴⁾ Production lead time for upgrade kits varies from 3 to 12 months depending on the contents of each kit and the specific components being modernized.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 5 / L0084 CSRR-SSN (SEAWOLF)			

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>)	40.070	3.231	6.024	3.738	-	3.738	-	0.959	1.452	1.141	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	40.070	3.231	6.024	3.738	-	3.738	-	0.959	1.452	1.141	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	40.070	3.231	6.024	3.738	-	3.738	-	0.959	1.452	1.141	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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of CSRR and upgrades on SSN 21, SSN 22 and SSN 23

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 5 / L0084 CSRR-SSN (SEAWOLF)					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604503N					
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: L0084 CSRR-SSN (SEAWOLF)													
B Kits													
Recurring													
1.1.1) Equipment - Baseline (Increment 1 Ver 0) - NonOrganic	2 / 21.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 21.504	
1.1.2) Equipment - Modernization Kits (Increment 1 Ver 1) - NonOrganic	3 / 2.550	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.550	
1.1.3) Equipment - Mod Kits Increment 1 Ver 2 - NonOrganic	2 / 2.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.400	
1.1.4) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic (25)	- / -	1 / 2.126	2 / 3.512	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.638	
1.1.5) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.515	1 / 0.265	- / -	3 / 0.780	
1.1.6) Equipment - Mod Kits Increment 1 Ver 5 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 26.454	- / 2.126	- / 3.512	- / -	- / -	- / -	- / -	- / -	- / 0.515	- / 0.265	Continuing	Continuing	
Subtotal: L0084 CSRR-SSN (SEAWOLF)	7 / 26.454	1 / 2.126	2 / 3.512	- / -	- / -	- / -	- / -	- / -	2 / 0.515	1 / 0.265	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 26.454	- / 2.126	- / 3.512	- / -	- / -	- / -	- / -	- / -	- / 0.515	- / 0.265	Continuing	Continuing	
Support (All Modification Items)													
2.1) Engineering Nonrecurring	- / 0.058	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.058	
2.2) ShipALT/DSA Nonrecurring (26)	- / 1.367	- / 0.196	- / -	- / -	- / -	- / -	- / -	- / 0.420	- / 0.225	- / -	Continuing	Continuing	
2.3) Enterprise Change Request /Nonrecurring (27)	- / 1.510	- / 0.205	- / 0.402	- / -	- / -	- / -	- / -	- / -	- / 0.270	- / 0.040	Continuing	Continuing	
2.4) Data/Logistics (28)	- / 1.296	- / 0.529	- / -	- / -	- / -	- / -	- / -	- / 0.539	- / 0.375	- / -	Continuing	Continuing	
2.5) Production Support	- / 1.318	- / 0.175	- / 0.231	- / -	- / -	- / -	- / -	- / -	- / 0.067	- / 0.016	Continuing	Continuing	
2.6) Other (DSA Recurring)	- / 1.962	- / -	- / 0.375	- / 0.240	- / -	- / 0.240	- / -	- / -	- / -	- / 0.152	Continuing	Continuing	
Subtotal: Support	- / 7.511	- / 1.105	- / 1.008	- / 0.240	- / -	- / 0.240	- / -	- / 0.959	- / 0.937	- / 0.208	Continuing	Continuing	
Installation													
Modification Item 1 of 1: L0084 CSRR-SSN (SEAWOLF)	- / 6.105	- / -	- / 1.504	- / 3.498	- / -	- / 3.498	- / -	- / -	- / -	- / 0.668	Continuing	Continuing	
Subtotal: Installation	- / 6.105	- / -	- / 1.504	- / 3.498	- / -	- / 3.498	- / -	- / -	- / -	- / 0.668	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	40.070	3.231	6.024	3.738	-	3.738	-	0.959	1.452	1.141	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy			Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12		P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment			Modification Number / Title: 5 / L0084 CSRR-SSN (SEAWOLF)

Modification Item 1 of 1: L0084 CSRR-SSN (SEAWOLF)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SAIC ⁽²⁹⁾				Manufacturer Location: >Charleston, SC			
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	Jul 2013	Apr 2014					
Delivery Dates	Mar 2014	Apr 2015					

Installation Information

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

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 / 6.105	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 6.105
FY 2013	- / -	- / -	1 / 1.504	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.504
FY 2014	- / -	- / -	- / -	2 / 3.498	- / -	2 / 3.498	- / -	- / -	- / -	- / -	- / -	2 / 3.498
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.668	- / -	2 / 0.668
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	7 / 6.105	- / -	1 / 1.504	2 / 3.498	- / -	2 / 3.498	- / -	- / -	- / -	2 / 0.668	Continuing	Continuing

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	-	-	2	13	
Out	7	-	-	-	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	1	-	-	2	13	

Footnotes:

⁽²⁵⁾ Quantity reflects changes to latest fleet availabilities. FY13 SEAWOLF Inc 1 V3 procurement cost is higher as the platform did not receive an Inc 1 V2 upgrade.

⁽²⁶⁾ Funding supports development of Government Furnished Information (GFI) package for the ship planning yard in year one and ship installation drawings in year two.

⁽²⁷⁾ The Enterprise Change Request (ECR) is a configuration control process rigorously implemented for the approval of new baselines or for changes that impact baselines.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 5 / L0084 CSRR-SSN (SEAWOLF)
⁽²⁸⁾ Funds the initial logistics package, consisting of multiple individual products, for each modernization baseline. Funding for each logistics product is funded the year prior to and the year a specific product is procured. ⁽²⁹⁾ Production lead time for upgrade kits varies from 3 to 12 months depending on the contents of each kit and the specific components being modernized.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 6 / L0084 CSRR-SSN (VIRGINIA) Mod 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>)	28.869	7.233	0.422	10.428	-	10.428	10.418	7.014	3.844	15.510	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.869	7.233	0.422	10.428	-	10.428	10.418	7.014	3.844	15.510	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.869	7.233	0.422	10.428	-	10.428	10.418	7.014	3.844	15.510	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of CSRR upgrades on VIRGINIA Class submarines

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 6 / L0084 CSRR-SSN (VIRGINIA) Mod Upgrades					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604503N					
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: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades													
B Kits													
Recurring													
1.1.1) Equipment - Mod Kits Increment 1 Ver 2 (FLT 1 & 2) - NonOrganic	4 / 4.872	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.872	
1.1.2) Equipment - Baseline upgrade Increment 1 Ver 3 - NonOrganic (30)	3 / 6.635	1 / 2.328	- / -	3 / 7.409	- / -	3 / 7.409	1 / 2.544	1 / 2.620	- / -	- / -	- / -	9 / 21.536	
1.1.3) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic (31)	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.258	1 / 0.265	2 / 0.546	Continuing	Continuing	
1.1.4) Equipment - Mod Kits Increment 1 Ver 5 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 13.898	Continuing	Continuing	
Subtotal: Recurring	- / 11.507	- / 2.328	- / -	- / 7.409	- / -	- / 7.409	- / 2.544	- / 2.878	- / 0.265	- / 14.444	Continuing	Continuing	
Subtotal: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades	7 / 11.507	1 / 2.328	- / -	3 / 7.409	- / -	3 / 7.409	1 / 2.544	2 / 2.878	1 / 0.265	7 / 14.444	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 11.507	- / 2.328	- / -	- / 7.409	- / -	- / 7.409	- / 2.544	- / 2.878	- / 0.265	- / 14.444	Continuing	Continuing	
Support (All Modification Items)													
2.1) Engineering Nonrecurring	- / 0.625	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.625	
2.2) Data/Logistics (32)	- / 1.984	- / -	- / -	- / -	- / -	- / -	- / 0.490	- / 0.450	- / -	- / -	Continuing	Continuing	
2.3) FLT ShipALT/DSA Nonrecurring (33)	- / 3.630	- / -	- / 0.422	- / -	- / -	- / -	- / 0.350	- / 0.450	- / 0.321	- / 0.125	Continuing	Continuing	
2.4) Enterprise Change Request (34)	- / 1.652	- / 0.144	- / -	- / 0.165	- / -	- / 0.165	- / 0.254	- / 0.606	- / 0.401	- / -	Continuing	Continuing	
2.5) Production Support	- / 1.722	- / 0.299	- / -	- / 0.420	- / -	- / 0.420	- / 0.216	- / 0.263	- / 0.056	- / 0.541	Continuing	Continuing	
2.6) Other (DSA Recurring)	- / 0.744	- / 0.462	- / -	- / 0.412	- / -	- / 0.412	- / 0.317	- / 0.222	- / 0.277	- / 0.076	Continuing	Continuing	
Subtotal: Support	- / 10.357	- / 0.905	- / 0.422	- / 0.997	- / -	- / 0.997	- / 1.627	- / 1.991	- / 1.055	- / 0.742	Continuing	Continuing	
Installation													
Modification Item 1 of 1: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades	- / 7.005	- / 4.000	- / -	- / 2.022	- / -	- / 2.022	- / 6.247	- / 2.145	- / 2.524	- / 0.324	Continuing	Continuing	
Subtotal: Installation	- / 7.005	- / 4.000	- / -	- / 2.022	- / -	- / 2.022	- / 6.247	- / 2.145	- / 2.524	- / 0.324	Continuing	Continuing	
Total													
Total Cost (Procurement + Support + Installation)	28.869	7.233	0.422	10.428	-	10.428	10.418	7.014	3.844	15.510	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 6 / L0084 CSRR-SSN (VIRGINIA) Mod Upgrades

Modification Item 1 of 1: L0084 CSRR-SSN (VIRGINIA) Mod Upgrades

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SAIC				Manufacturer Location: >Charleston, SC			
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	Aug 2013		Jan 2015				
Delivery Dates	Aug 2014		Jan 2016				

Installation Information

Method of Implementation: Method : Installation Name: Virginia Class

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 / 7.005	2 / 4.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 11.005
FY 2013	- / -	- / -	- / -	1 / 2.022	- / -	1 / 2.022	- / -	- / -	- / -	- / -	- / -	1 / 2.022
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 6.247	- / -	- / -	- / -	- / -	3 / 6.247
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.145	- / -	- / -	- / -	1 / 2.145
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.524	- / -	- / -	2 / 2.524
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.324	- / -	1 / 0.324
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Total	5 / 7.005	2 / 4.000	- / -	1 / 2.022	- / -	1 / 2.022	3 / 6.247	1 / 2.145	2 / 2.524	1 / 0.324	Continuing	Continuing

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	2	-	-	-	1	-	-	-	-	1	-	-	-	1	-	2	-	-	-	1	2	-	-	-	1	-	-	7	22
Out	3	1	1	1	-	-	-	1	-	-	-	-	1	-	-	-	1	-	1	1	-	-	1	2	-	-	1	-	-	7	22

Footnotes:

⁽³⁰⁾ Quantity reflects changes to latest fleet availabilities. CSRR Inc 1 V3 price of cabling is not following the normal escalation rate due to copper price increases. Installation funds are required by the IMO 3 months prior to the start of the installation. FY14 mod kit procurement reduced from 1 to 0 and installation of 1 mod kit delayed from FY14 to FY15 due to Congressional reduction.

⁽³¹⁾ CSRR modernization kit installation cost is different for each version.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 6 / L0084 CSRR-SSN (VIRGINIA) Mod Upgrades

(32) Funds the initial logistics package, consisting of multiple individual products, for each modernization baseline. Funding for each logistics product is funded the year prior to and the year a specific product is procured.

(33) Funding supports development of Government Furnished Information (GFI) package for the ship planning yard in year one and ship installation drawings in year two.

(34) The Enterprise Change Request (ECR) is a configuration control process rigorously implemented for the approval of new baselines or for changes that impact baselines.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod 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>	74.859	22.012	29.480	18.800	-	18.800	13.210	11.813	5.538	3.434	Continuing	Continuing
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	74.859	22.012	29.480	18.800	-	18.800	13.210	11.813	5.538	3.434	Continuing	Continuing
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	74.859	22.012	29.480	18.800	-	18.800	13.210	11.813	5.538	3.434	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 Thousands)</i>	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of CSRR and upgrades on LOS ANGELES Class Submarines

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0604503N				
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: L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades												
B Kits												
Recurring												
1.1.1) Equipment - Mod Kits Increment 1 Ver 3 - NonOrganic ⁽³⁵⁾	15 / 48.676	2 / 6.994	6 / 22.560	2 / 7.745	- / -	2 / 7.745	2 / 7.978	1 / 4.109	- / -	- / -	- / -	28 / 98.062
1.1.2) Equipment - Mod Kits Increment 1 Ver 4 - NonOrganic ⁽³⁶⁾	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.258	6 / 1.542	4 / 1.059	Continuing	Continuing
1.1.3) Equipment - Mod Kits Increment 1 Ver 5 - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
Subtotal: Recurring	- / 48.676	- / 6.994	- / 22.560	- / 7.745	- / -	- / 7.745	- / 7.978	- / 4.367	- / 1.542	- / 1.059	Continuing	Continuing
Subtotal: L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	15 / 48.676	2 / 6.994	6 / 22.560	2 / 7.745	- / -	2 / 7.745	2 / 7.978	2 / 4.367	6 / 1.542	4 / 1.059	Continuing	Continuing
Subtotal: Procurement, All Modification Items	- / 48.676	- / 6.994	- / 22.560	- / 7.745	- / -	- / 7.745	- / 7.978	- / 4.367	- / 1.542	- / 1.059	Continuing	Continuing
Support (All Modification Items)												
2.1) Enterprise Change Request/Nonrecurring ⁽³⁷⁾	- / 2.571	- / 0.248	- / 0.948	- / 0.391	- / -	- / 0.391	- / 0.223	- / 0.724	- / 0.555	- / -	Continuing	Continuing
2.2) ShipALT/DSA Nonrecurring ⁽³⁸⁾	- / 1.441	- / -	- / -	- / -	- / -	- / -	- / 0.257	- / 0.607	- / -	- / -	Continuing	Continuing
2.3) Data/Logistics ⁽³⁹⁾	- / 2.000	- / -	- / -	- / -	- / -	- / -	- / 0.285	- / 0.725	- / -	- / -	Continuing	Continuing
2.4) Production Support	- / 3.385	- / 0.738	- / 1.399	- / 0.445	- / -	- / 0.445	- / 0.505	- / 0.375	- / 0.113	- / 0.027	Continuing	Continuing
2.5) Other (DSA Recurring) ⁽⁴⁰⁾	- / 3.186	- / 2.400	- / 1.578	- / 0.964	- / -	- / 0.964	- / 0.784	- / 0.841	- / 0.863	- / 0.401	Continuing	Continuing
Subtotal: Support	- / 12.583	- / 3.386	- / 3.925	- / 1.800	- / -	- / 1.800	- / 2.054	- / 3.272	- / 1.531	- / 0.428	Continuing	Continuing
Installation												
Modification Item 1 of 1: L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades	- / 13.600	- / 11.632	- / 2.995	- / 9.255	- / -	- / 9.255	- / 3.178	- / 4.174	- / 2.465	- / 1.947	Continuing	Continuing
Subtotal: Installation	- / 13.600	- / 11.632	- / 2.995	- / 9.255	- / -	- / 9.255	- / 3.178	- / 4.174	- / 2.465	- / 1.947	Continuing	Continuing
Total												
Total Cost (Procurement + Support + Installation)	74.859	22.012	29.480	18.800	-	18.800	13.210	11.813	5.538	3.434	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12										P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment										Modification Number / Title: 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades											
Modification Item 1 of 1: L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: SAIC ⁽⁴¹⁾														Manufacturer Location: >Charleston, SC																	
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		Apr 2013				Mar 2014				Jan 2015																					
Delivery Dates		Apr 2014				Jan 2015				Jan 2016																					
Installation Information																															
Method of Implementation: Method : Installation Name: LA Class																															
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 / 13.600		8 / 11.632		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		15 / 25.232					
FY 2013		- / -		- / -		2 / 2.995		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2.995					
FY 2014		- / -		- / -		- / -		6 / 9.255		- / -		6 / 9.255		- / -		- / -		- / -		- / -		- / -		- / -		6 / 9.255					
FY 2015		- / -		- / -		- / -		- / -		- / -		- / -		2 / 3.178		- / -		- / -		- / -		- / -		- / -		2 / 3.178					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 4.174		- / -		- / -		- / -		- / -		2 / 4.174					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 2.465		- / -		- / -		- / -		2 / 2.465					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		6 / 1.947		- / -		- / -		6 / 1.947					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		Continuing		Continuing					
Total		7 / 13.600		8 / 11.632		2 / 2.995		6 / 9.255		- / -		6 / 9.255		2 / 3.178		2 / 4.174		2 / 2.465		6 / 1.947		Continuing		Continuing							
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	-	2	1	1	2	1	1	-	4	1	1	1	1	-	-	2	-	1	-	2	-	-	-	2	2	2	4	39
Out	4	1	2	1	-	2	1	1	2	1	1	-	4	1	1	1	1	-	-	2	-	1	1	1	-	-	1	3	2	4	39
Footnotes: ⁽³⁵⁾ Quantity reflects changes to latest fleet availabilities. FY14 mod kit procurement reduced from 7 to 6 due to Congressional reduction. ⁽³⁶⁾ CSRR modernization kit installation cost is different for each version.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 7 / L0084 CSRR-SSN LOS ANGELES (LA) Mod Upgrades
(37) The Enterprise Change Request (ECR) is a configuration control process rigorously implemented for the approval of new baselines or for changes that impact baselines. (38) Funding supports development of Government Furnished Information (GFI) package for the ship planning yard in year one and ship installation drawings in year two. (39) Funds the initial logistics package, consisting of multiple individual products, for each modernization baseline. Funding for each logistics product is funded the year prior to and the year a specific product is procured. (40) DSA Recurring Cost includes funding for CSRR planning yard activities. (41) Production lead time for upgrade kits varies from 3 to 12 months depending on the contents of each kit and the specific components being modernized.		

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 8 / L0097 Submarine Local Area Network

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>)	127.104	3.546	5.158	3.537	-	3.537	3.491	3.578	3.643	3.725	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	127.104	3.546	5.158	3.537	-	3.537	3.491	3.578	3.643	3.725	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	127.104	3.546	5.158	3.537	-	3.537	3.491	3.578	3.643	3.725	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Installation of SubLAN Personal Computers (PC's) & Engine Room Drop Augment (ERDA), Propulsion Plant Monitoring System (PPMS)

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12				P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment				Modification Number / Title: 8 / L0097 Submarine Local Area Network					
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: L0097 Submarine Local Area Network													
B Kits													
Recurring													
1.1.1) Equipment - SubLAN - NonOrganic ⁽⁴²⁾	9 / 30.379	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 30.379	
1.1.2) Equipment - SubLAN PCs - Organic ⁽⁴³⁾	66 / 5.749	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	66 / 5.749	
1.1.3) SSN688 GFI/ShipALT - Organic	- / 10.390	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 10.390	
1.1.4) SSN21 GFI/ShipALT - Organic	- / 5.709	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.709	
1.1.5) SSBN GFI/ShipALT - Organic	- / 4.985	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.985	
1.1.6) SSGN GFI/ShipALT - Organic	- / 4.963	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.963	
1.1.7) SSN774 GFI/ShipALT - Organic	- / 2.143	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.143	
1.1.8) Other Equipment - SIPR PKI - Organic	- / 1.067	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.067	
1.1.9) Other Equipment - PC Augment - Organic	70 / 2.179	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	70 / 2.179	
1.1.10) Other Equipment - ERDA - NonOrganic ⁽⁴⁴⁾	49 / 1.255	1 / 0.019	6 / 0.154	6 / 0.151	- / -	6 / 0.151	4 / 0.102	9 / 0.205	- / -	6 / 0.156	Continuing	Continuing	
1.1.11) Other Equipment - PC Replacement - Organic	36 / 3.132	- / -	18 / 2.490	- / -	- / -	- / -	- / -	- / -	14 / 1.921	- / -	Continuing	Continuing	
1.1.12) Other Equipment - PPMS - NonOrganic	11 / 1.544	2 / 0.292	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
1.1.13) Support Equipment - EDM - Organic	- / 0.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.300	
Subtotal: Recurring	- / 73.795	- / 0.311	- / 2.644	- / 0.151	- / -	- / 0.151	- / 0.102	- / 0.205	- / 1.921	- / 0.156	Continuing	Continuing	
Subtotal: L0097 Submarine Local Area Network	241 / 73.795	3 / 0.311	24 / 2.644	6 / 0.151	- / -	6 / 0.151	4 / 0.102	9 / 0.205	14 / 1.921	6 / 0.156	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 73.795	- / 0.311	- / 2.644	- / 0.151	- / -	- / 0.151	- / 0.102	- / 0.205	- / 1.921	- / 0.156	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 8.562	- / 0.015	- / 0.086	- / 0.041	- / -	- / 0.041	- / 0.043	- / 0.060	- / 0.068	- / 0.100	- / -	- / 8.975	
2.2) Other (DSA)	- / 0.450	- / 0.132	- / 0.100	- / 0.130	- / -	- / 0.130	- / 0.125	- / 0.156	- / 0.078	- / 0.156	- / -	- / 1.327	
Subtotal: Support	- / 9.012	- / 0.147	- / 0.186	- / 0.171	- / -	- / 0.171	- / 0.168	- / 0.216	- / 0.146	- / 0.256	- / -	- / 10.302	
Installation													
Modification Item 1 of 1: L0097 Submarine Local Area Network	- / 44.297	- / 3.088	- / 2.328	- / 3.215	- / -	- / 3.215	- / 3.221	- / 3.157	- / 1.576	- / 3.313	- / -	- / 64.195	
Subtotal: Installation	- / 44.297	- / 3.088	- / 2.328	- / 3.215	- / -	- / 3.215	- / 3.221	- / 3.157	- / 1.576	- / 3.313	- / -	- / 64.195	
Total													
Total Cost (Procurement + Support + Installation)	127.104	3.546	5.158	3.537	-	3.537	3.491	3.578	3.643	3.725	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 8 / L0097 Submarine Local Area Network

Modification Item 1 of 1: L0097 Submarine Local Area Network

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NUWC Newport	Manufacturer Location: >Newport, Rhode Island
Administrative Leadtime (<i>in Months</i>): 2	Production Leadtime (<i>in Months</i>): 3

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	Mar 2013	Mar 2014	Mar 2015				

Installation Information

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

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	66 / 44.297	3 / 1.544	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	69 / 45.841
FY 2013	- / -	3 / 1.544	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 1.544
FY 2014	- / -	- / -	4 / 2.328	2 / 1.071	- / -	2 / 1.071	- / -	- / -	- / -	- / -	- / -	6 / 3.399
FY 2015	- / -	- / -	- / -	4 / 2.144	- / -	4 / 2.144	2 / 1.074	- / -	- / -	- / -	- / -	6 / 3.218
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	4 / 2.147	- / -	- / -	- / -	- / -	4 / 2.147
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.157	3 / 1.576	- / -	- / -	9 / 4.733
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 3.313	- / -	6 / 3.313
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	66 / 44.297	6 / 3.088	4 / 2.328	6 / 3.215	- / -	6 / 3.215	6 / 3.221	6 / 3.157	3 / 1.576	6 / 3.313	- / -	103 / 64.195

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	65	1	2	1	3	-	-	-	4	-	2	-	4	-	2	-	4	-	-	-	4	2	3	-	-	-	-	-	6	-	103
Out	65	1	2	1	2	1	-	-	3	1	2	-	3	1	2	-	4	-	-	-	4	2	3	-	-	-	-	-	6	-	103

Method of Implementation (Organic): Organic - Equipment - SubLAN PCs **Installation Quantity:** 66

Method of Implementation (Organic): Organic - Other Equipment - PC Augment **Installation Quantity:** 70

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 12	P-1 Line Item Number / Title: 3130 / Submarine Communication Equipment	Modification Number / Title: 8 / L0097 Submarine Local Area Network
Modification Item 1 of 1: L0097 Submarine Local Area Network		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Other Equipment - PC Replacement		Installation Quantity: 68
Footnotes: ⁽⁴²⁾ Installation schedule based on submarine availability. Installation funding must be in place 90 days prior to installation availability start date. As a result, all afloat installs schedule for OCT-DEC of the fiscal year must be budgeted with prior year funding. ⁽⁴³⁾ FY13 thru FY19 SubLAN Personal Computer (PC) procurement/replacement requires no installation funds, therefore procurement and installation quantities will not match one for one. ⁽⁴⁴⁾ SubLAN requires an additional 4 months after delivery for required pre-installation test and check out (PITCO) prior to installation start. Installs do not begin until 7 months after contract award (3 months PLT + 4 months PITCO).		

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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 02: Communications & Electronics Equip / BSA 13: Satellite Communications							P-1 Line Item Number / Title: 3215 / Satellite Communications Systems					
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: 237		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 (Units in Each)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost (\$ in Millions)	785.552	46.061	27.381	13.218	-	13.218	30.284	14.044	6.641	11.666	Continuing	Continuing
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	785.552	46.061	27.381	13.218	-	13.218	30.284	14.044	6.641	11.666	Continuing	Continuing
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	785.552	46.061	27.381	13.218	-	13.218	30.284	14.044	6.641	11.666	Continuing	Continuing
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.167	0.294	2.398	-	2.398	1.106	-	-	-	-	3.965
Flyaway Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (\$ in Thousands)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date.												
Description: The Satellite Communications (SATCOM) Systems P-1 line provides funds for procurement of shipboard terminal equipment for ship-to-ship, ship-to-shore and ship-to-aircraft tactical communications via earth orbiting relay satellites in the Ultra High Frequency (UHF), Super High Frequency (SHF), and Extremely High Frequency (EHF) bands. This includes Radio Frequency (RF) equipment and baseband equipment assembled and grouped into systems and subsystems structured to address specific naval communications requirements. These systems provide processors and peripheral equipment that control the RF links for message traffic, direct data transfer and secure voice communications. They are selected and oriented by communications traffic levels, types of communications and operational missions. [P5 / (NR106) SHF Terminal]: Super High Frequency (SHF) Systems (SHF - NR106): AN/WSC-6(V)9 terminals provide high data throughput capacity for Non-Classified Internet Protocol Router Network (NIPRNET) / Secret Internet Protocol Router Network (SIPRNET), voice, and Internet connectivity via the Defense Satellite Communications Systems (DSCS) and Wideband Global SATCOM system (WGS). Shore based terminals, AN/GSC-52B Modernization of Enterprise Terminals (MET), have an operational requirement to support joint theater and Navy unique command, control, communications, support and intelligence circuits for voice, data, video and imagery. Enhanced Bandwidth Efficient Modem (EBEM) provides increased operational capability to all SHF terminals. EBEM allows SHF to make maximum use of the added tactical wideband capacity through WGS. [P5 / (NR107) Navy Extremely High Frequency Satellite Program (NESP)]: NESP provides joint interoperable core and hard-core communications at all levels of conflict with assured survivability under extreme conditions (i.e. Electromagnetic Anti-Jam (AJ), Low Probability of Intercept (LPI)/Low Probability of Detection (LPD), Physical, and Scintillation) via the Military Strategic and Tactical Relay System, Extra High Frequency (EHF) Follow On, Enhanced EHF, Interim Polar and Advanced EHF satellites. Time Division Multiple Access Interface Processor (TIP) is ancillary equipment to NESP and provides Internet Protocol (IP) networked communications over EHF Medium Data Rate waveforms. This capability enhances the NESP system by enabling afloat units to operate with a shore less architecture. [P5 / (NR127) Spectral Warrior (SW) / Spider Net (SN)]: Spectral Warrior (SW) / Spider Net (SN) is a smart set of spectrum analyzers on ships that will aid Department of Defense (DoD) Spectrum Management in the 22nd century by providing on-ship: 1) real-time sensing of spectrum usage to identify if jamming and Electromagnetic Interference (EMI) is present; 2) real-time characterization to identify the source of interference to reduce and mitigate known and unknown victim system performance degradations; 3) ability to identify or characterize EMI from newly fielded technologies; 4) real-time identification of SATCOM jamming/EMI for increased Situational Awareness (SA); 5) spectrum coordination/deconfliction capability; and 6) Emissions Control (EMCON) posture condition compliance verification and violation identification.												

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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 02: Communications & Electronics Equip / BSA 13: Satellite Communications										P-1 Line Item Number / Title: 3215 / Satellite Communications Systems												
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: 237				Item MDAP/MAIS Code(s):																		
[P3A / (NR117) Global Broadcast Service (GBS)]: GLOBAL BROADCAST SERVICE (GBS - NR117): GBS is a Joint Military Satellite Communications (MILSATCOM) program with the Air Force as Executive Agent for all services. GBS provides a continuous, high speed, one way information flow of high volume data to units ashore, afloat or special operations. GBS supports routine operations, training and military exercises, special activities, crises, situational awareness, weapons targeting, reconnaissance and the transition to and conduct of opposed operations short of nuclear war. Deployment of GBS internet protocol (IP) terminals will allow expanded use of military intelligence collection in a broader spectrum using MILSATCOM architecture. The Navy GBS Split IP effort enables near-real-time duplex asymmetric communications connectivity to ships/subs. GBS plays a pivotal role in an Anti Access Area Denial (A2AD) scenario. [P3A - 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat]: CBSP will support the procurement and installation of a commercial terminal and service architecture that will eventually replace the Inmarsat program (Inmarsat: PCs and Inmarsat B HSD: MCMs, DDGs, CGS) and Commercial Wideband Satellite Program (WSC-8 Large Decks). The associated architectures are designed to significantly increase the throughput of data to increase Satellite Communication (SATCOM) reliability for Military Satellillite Communication (MILSATCOM). Included in the program are Small Ship Variant (SSV - Patrol Coastal or Mine Countermeasure Ships), Unit Level Variant (ULV - examples are Guided Missile Destroyers or Guided Missile Frigates), and Force Level Variant (FLV - large combatant ships such as carriers). [P3A - 3 / (NR118) JMINI CS Shore]: The Joint Ultra-High Frequency (UHF) Military Satellite communication (MILSATCOM) Network Integrated Control System (JMINI CS) is a legacy system that commenced in 1998. JMINI CS is a Navy-led, Joint interest program providing integrated, dynamic, and centralized control of non-processed UHF MILSATCOM 5 and 25 kHz Demand Assigned Multiple Access (DAMA) and Demand Assigned Single Access (DASA) channels to maximize existing highly sought after SATCOM resources used to support operational strike missions as well as joint training and tactical exercises. The system provides decentralized we-based management of those resources for use as a situational awareness tool for Combatant Commanders and SATCOM Support Centers. The JMINI CS is required to operate beyond the original End of Life (EoL) in 2015 in order to continue to support mission critical operations through at least 2033. The globally integrated system consists of three major subsystems: Network Management System, Satellite Access Controller and the control terminals. The JMINI CS system refresh effort will replace obsolete and unsupported components or subsystems while maintaining interoperability with existing systems. Design and integration efforts were funded with RDTEN. Funding increase in FY15-16 is for the procurement of hardware and software refresh of subsystems, including COTS/GOTS solutions, as well as integration, assembly, test, and installation activities for the system refresh.																						
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)		
Item - 1 / Satellite Communications Systems	P-5		-	-	548.147	-	-	17.377	-	-	10.372	-	-	-	-	-	-	-	-	-		
P-3a - 1 / (NR117) Global Broadcast Service (GBS)	P-3a		-	-	133.304	-	-	12.988	-	-	2.470	-	-	1.224	-	-	-	-	-	1.224		
P-3a - 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	P-3a		-	-	98.963	-	-	15.696	-	-	14.539	-	-	5.048	-	-	-	-	-	5.048		
P-3a - 3 / (NR118) JMINI CS Shore	P-3a		-	-	5.138	-	-	-	-	-	-	-	-	6.946	-	-	-	-	-	6.946		
Total Gross/Weapon System Cost			-	-	785.552	-	-	46.061	-	-	27.381	-	-	13.218	-	-	-	-	-	13.218		

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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 02: Communications & Electronics Equip / BSA 13: Satellite Communications												P-1 Line Item Number / Title: 3215 / Satellite Communications Systems									
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: 237						Item MDAP/MAIS Code(s):															
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
Item - 1 / Satellite Communications Systems	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
P-3a - 1 / (NR117) Global Broadcast Service (GBS)	P-3a		-	-	14.958	-	-	6.237	-	-	1.670	-	-	3.434	-	-	-	-	-	176.285	
P-3a - 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	P-3a		-	-	9.634	-	-	7.807	-	-	4.971	-	-	8.232	Continuing			Continuing			
P-3a - 3 / (NR118) JMINI CS Shore	P-3a		-	-	5.692	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17.776	
Total Gross/Weapon System Cost			-	-	30.284	-	-	14.044	-	-	6.641	-	-	11.666	Continuing			Continuing			
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title.																					
Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: FY 2015 continues the procurement of Global Broadcast System (GBS) Portable Receive Terminals and Force Level Variant (FLV) Commercial Broadband Satellite Program (CBSP) terminals. Additionally, FY2015 resumes procurement of GBS Afloat Receive Terminals, as well as commences the procurement of JMINI CS hardware and software subsystems to begin preparations for site installations. JMINI is a new start in FY15.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy										Date: March 2014									
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems						Item Number / Title [DODIC]: 1 / Satellite Communications Systems									
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>		548.147	17.377	10.372	-	-	-	-	-	-	-	-	-						
Less PY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Net Procurement (P1) <i>(\$ in Millions)</i>		548.147	17.377	10.372	-	-	-	-	-	-	-	-	-						
Plus CY Advance Procurement <i>(\$ in Millions)</i>		-	-	-	-	-	-	-	-	-	-	-	-						
Total Obligation Authority <i>(\$ in Millions)</i>		548.147	17.377	10.372	-	-	-	-	-	-	-	-	-						
(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.																			
Cost Elements	ID CD	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)
Hardware - (NR106) SHF Terminal Cost																			
Recurring Cost																			
1.1.1) SHF: AN/GSC-52B Modernization of Enterprise Terminals (MET)		-	-	0.000	4,184.000	1	4.184	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	0.000	-	-	4.184	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (NR106) SHF Terminal Cost		-	-	0.000	-	-	4.184	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (NR107) Navy Extremely High Frequency Satellite Program (NESP) Cost																			
Recurring Cost																			
2.1.1) NESP - Cipher Text TIP Upgrade Kit (Afloat)		-	-	519.472	16.195	41	0.664	16.524	21	0.347	-	-	-	-	-	-	-	-	-
2.1.2) NESP - TIP Thin Line Upgrade Kit (Afloat)		-	-	0.000	259.143	7	1.814	263.500	2	0.527	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	519.472	-	-	2.478	-	-	0.874	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - (NR107) Navy Extremely High Frequency Satellite Program (NESP) Cost		-	-	519.472	-	-	2.478	-	-	0.874	-	-	-	-	-	-	-	-	-
Hardware - (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore 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 / 02 / 13								P-1 Line Item Number / Title: 3215 / Satellite Communications Systems								Item Number / Title [DODIC]: 1 / Satellite Communications Systems			
Cost Elements	ID CD	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)
3.1.1) CBSP Unit Level Variant (ULV)		-	-	1.376	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) CBSP Force Level Variant (FLV) ⁽¹⁾		2,494.000	1	2.494	-	-	-	1,261.500	2	2.523	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	3.870	-	-	-	-	-	2.523	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore Cost</i>		-	-	3.870	-	-	-	-	-	2.523	-	-	-	-	-	-	-	-	-
Hardware - (NR127) Spectral Warrior (SW) / Spider Net (SN) Cost																			
Recurring Cost																			
4.1.1) SW/SN - Spectrum Analyzer System		-	-	0.000	-	-	-	360.000	6	2.160	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	-	-	-	2.160	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR127) Spectral Warrior (SW) / Spider Net (SN) Cost</i>		-	-	0.000	-	-	-	-	-	2.160	-	-	-	-	-	-	-	-	-
Hardware - (NR776) Non-FMP Installation (Shore) Cost																			
Recurring Cost																			
5.1.1) CBSP Ashore		-	-	1.622	-	-	-	-	-	0.950	-	-	-	-	-	-	-	-	-
5.1.2) SHF SATCOM - Shore		-	-	0.000	-	-	5.567	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	1.622	-	-	5.567	-	-	0.950	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR776) Non-FMP Installation (Shore) Cost</i>		-	-	1.622	-	-	5.567	-	-	0.950	-	-	-	-	-	-	-	-	-
Hardware - (NR777) FMP Installation (Ship) Cost																			
Recurring Cost																			
6.1.1) Navy Extremely High Frequency Satellite Program (NESP)		-	-	0.000	-	-	4.388	-	-	1.533	-	-	-	-	-	-	-	-	-
6.1.2) SW/SN - Spectral Analyzer System		-	-	0.000	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	0.000	-	-	4.388	-	-	3.033	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR777) FMP Installation (Ship) Cost</i>		-	-	0.000	-	-	4.388	-	-	3.033	-	-	-	-	-	-	-	-	-
Support - (NR555) Production Support Cost																			
7.1) Super High Frequency (SHF)		-	-	0.000	-	-	0.267	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014							
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13							P-1 Line Item Number / Title: 3215 / Satellite Communications Systems							Item Number / Title [DODIC]: 1 / Satellite Communications Systems						
Cost Elements	ID CD	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)	
7.2) CBSP Ashore		-	-	0.451	-	-	-	-	-	0.125	-	-	-	-	-	-	-	-	-	
7.3) Navy Extremely High Frequency Satellite Program (NESP)		-	-	22.050	-	-	0.135	-	-	0.048	-	-	-	-	-	-	-	-	-	
7.4) SW/SN - Spectrum Analyzer System		-	-	0.000	-	-	-	-	-	0.108	-	-	-	-	-	-	-	-	-	
Subtotal: Support - (NR555) Production Support Cost		-	-	22.501	-	-	0.402	-	-	0.281	-	-	-	-	-	-	-	-	-	
Support - (NR776) Non-FMP Pre Installation Design Cost																				
8.1) CBSP Ashore		-	-	0.086	-	-	-	-	-	0.237	-	-	-	-	-	-	-	-	-	
8.2) SHF SATCOM		-	-	0.000	-	-	0.260	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - (NR776) Non-FMP Pre Installation Design Cost		-	-	0.086	-	-	0.260	-	-	0.237	-	-	-	-	-	-	-	-	-	
Support - (NR777) FMP DSA (Ship) Cost																				
9.1) Navy Extremely High Frequency Satellite Program (NESP)		-	-	0.176	-	-	0.098	-	-	0.082	-	-	-	-	-	-	-	-	-	
9.2) SW/SN - Spectral Analyzer System		-	-	0.000	-	-	-	-	-	0.232	-	-	-	-	-	-	-	-	-	
9.3) SHF SATCOM		-	-	0.420	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Support - (NR777) FMP DSA (Ship) Cost		-	-	0.596	-	-	0.098	-	-	0.314	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Cost		-	-	548.147	-	-	17.377	-	-	10.372	-	-	-	-	-	-	-	-	-	
Cost Elements	ID CD	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)	
Hardware - (NR106) SHF Terminal Cost																				
Recurring Cost																				
1.1.1) SHF: AN/GSC-52B Modernization of Enterprise Terminals (MET)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Subtotal: Hardware - (NR106) SHF Terminal Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Hardware - (NR107) Navy Extremely High Frequency Satellite Program (NESP) 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 / 02 / 13								P-1 Line Item Number / Title: 3215 / Satellite Communications Systems								Item Number / Title [DODIC]: 1 / Satellite Communications Systems			
Cost Elements	ID CD	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)
2.1.1) NESP - Cipher Text TIP Upgrade Kit (Afloat)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) NESP - TIP Thin Line Upgrade Kit (Afloat)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR107) Navy Extremely High Frequency Satellite Program (NESP) Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore Cost																			
Recurring Cost																			
3.1.1) CBSP Unit Level Variant (ULV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.1.2) CBSP Force Level Variant (FLV)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR112) Commercial Broadcast Satellite Program (CBSP) Ashore Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (NR127) Spectral Warrior (SW) / Spider Net (SN) Cost																			
Recurring Cost																			
4.1.1) SW/SN - Spectrum Analyzer System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR127) Spectral Warrior (SW) / Spider Net (SN) Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (NR776) Non-FMP Installation (Shore) Cost																			
Recurring Cost																			
5.1.1) CBSP Ashore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.1.2) SHF SATCOM - Shore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR776) Non-FMP Installation (Shore) Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - (NR777) FMP Installation (Ship) Cost																			
Recurring Cost																			
6.1.1) Navy Extremely High Frequency		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy															Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13								P-1 Line Item Number / Title: 3215 / Satellite Communications Systems								Item Number / Title [DODIC]: 1 / Satellite Communications Systems			
Cost Elements	ID CD	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)
Satellite Program (NESP)																			
6.1.2) SW/SN - Spectral Analyzer System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Recurring Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Hardware - (NR777) FMP Installation (Ship) Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (NR555) Production Support Cost																			
7.1) Super High Frequency (SHF)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.2) CBSP Ashore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) Navy Extremely High Frequency Satellite Program (NESP)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) SW/SN - Spectrum Analyzer System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (NR555) Production Support Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (NR776) Non-FMP Pre Installation Design Cost																			
8.1) CBSP Ashore		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) SHF SATCOM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (NR776) Non-FMP Pre Installation Design Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - (NR777) FMP DSA (Ship) Cost																			
9.1) Navy Extremely High Frequency Satellite Program (NESP)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.2) SW/SN - Spectral Analyzer System		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.3) SHF SATCOM		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: Support - (NR777) FMP DSA (Ship) Cost</i>		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Footnotes: ⁽¹⁾ FY14 asset to be installed in FY15 due to 1-2 months integration time required prior to installation.																			

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 1 / (NR117) Global Broadcast Service (GBS)			

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>)	133.304	12.988	2.470	1.224	-	1.224	14.958	6.237	1.670	3.434	-	176.285
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	133.304	12.988	2.470	1.224	-	1.224	14.958	6.237	1.670	3.434	-	176.285
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	133.304	12.988	2.470	1.224	-	1.224	14.958	6.237	1.670	3.434	-	176.285
(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:

GLOBAL BROADCAST SERVICE (GBS - NR117): GBS is a Joint Military Satellite Communications (MILSATCOM) program with the Air Force as Executive Agent for all services. GBS provides a continuous, high speed, one way information flow of high volume data to units ashore, afloat or special operations. GBS supports routine operations, training and military exercises, special activities, crises, situational awareness, weapons targeting, reconnaissance and the transition to and conduct of opposed operations short of nuclear war. Deployment of GBS internet protocol (IP) terminals will allow expanded use of military intelligence collection in a broader spectrum using MILSATCOM architecture. The Navy GBS Split IP effort enables near-real-time duplex asymmetric communications connectivity to ships/subs. GBS plays a pivotal role in an Anti Access Area Denial (A2AD) scenario.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 1 / (NR117) Global Broadcast Service (GBS)					
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: (NR117) Global Broadcast Service (GBS)													
B Kits													
Recurring													
1.1.1) Afloat Receive Terminal - NonOrganic ⁽²⁾	146 / 100.295	- / -	- / -	1 / 0.500	- / -	1 / 0.500	19 / 9.681	4 / 2.077	- / -	- / -	- / -	170 / 112.553	
1.1.2) Portable Receive Terminal - Organic ⁽³⁾	20 / 4.182	10 / 2.224	9 / 2.041	1 / 0.231	- / -	1 / 0.231	8 / 1.883	10 / 2.398	6 / 1.421	13 / 3.237	- / -	77 / 17.617	
1.1.3) JIPM Upgrade - Organic ⁽⁴⁾	183 / 1.433	100 / 10.744	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	283 / 12.177	
Subtotal: Recurring	- / 105.910	- / 12.968	- / 2.041	- / 0.731	- / -	- / 0.731	- / 11.564	- / 4.475	- / 1.421	- / 3.237	- / -	- / 142.347	
Subtotal: (NR117) Global Broadcast Service (GBS)	349 / 105.910	110 / 12.968	9 / 2.041	2 / 0.731	- / -	2 / 0.731	27 / 11.564	14 / 4.475	6 / 1.421	13 / 3.237	- / -	530 / 142.347	
Subtotal: Procurement, All Modification Items	- / 105.910	- / 12.968	- / 2.041	- / 0.731	- / -	- / 0.731	- / 11.564	- / 4.475	- / 1.421	- / 3.237	- / -	- / 142.347	
Support (All Modification Items)													
2.1) Production Support	- / 20.718	- / 0.020	- / 0.111	- / 0.043	- / -	- / 0.043	- / 0.615	- / 0.118	- / 0.040	- / 0.197	- / -	- / 21.862	
2.2) Shore Pre Installation Design	- / 0.220	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.220	
2.3) Afloat Receive Terminal DSA	- / 6.456	- / -	- / 0.318	- / 0.450	- / -	- / 0.450	- / 0.639	- / 0.242	- / 0.050	- / -	- / -	- / 8.155	
Subtotal: Support	- / 27.394	- / 0.020	- / 0.429	- / 0.493	- / -	- / 0.493	- / 1.254	- / 0.360	- / 0.090	- / 0.197	- / -	- / 30.237	
Installation													
Modification Item 1 of 1: (NR117) Global Broadcast Service (GBS)	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.140	- / 1.402	- / 0.159	- / -	- / -	- / 3.701	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 2.140	- / 1.402	- / 0.159	- / -	- / -	- / 3.701	
Total													
Total Cost (Procurement + Support + Installation)	133.304	12.988	2.470	1.224	-	1.224	14.958	6.237	1.670	3.434	-	176.285	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 1 / (NR117) Global Broadcast Service (GBS)				
Modification Item 1 of 1: (NR117) Global Broadcast Service (GBS)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: TBD - Afloat Recieve Terminals							Manufacturer Location: >SPAWAR HQ					
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			Dec 2014									
Delivery Dates			Jun 2015									
Manufacturer Name: TBD - Portable Recieve Terminals							Manufacturer Location: >SSC LANT					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates			Dec 2014									
Delivery Dates			Mar 2015									
Manufacturer Name: Windmill International, Inc. - Portable Recieve Terminals							Manufacturer Location: >Nashua, NH					
Administrative Leadtime (in Months): 2							Production Leadtime (in Months): 3					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Nov 2013	Dec 2013										
Delivery Dates	Feb 2014	Mar 2014										
Installation Information												
Method of Implementation: [none specified] : Installation Name: Afloat Receive Terminal												
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	146 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	146 / 0.000
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.153	- / -	- / -	- / -	- / -	1 / 0.153
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	13 / 1.987	6 / 0.935	- / -	- / -	- / -	19 / 2.922
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.467	1 / 0.159	- / -	- / -	4 / 0.626
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	146 / 0.000	- / -	- / -	- / -	- / -	- / -	14 / 2.140	9 / 1.402	1 / 0.159	- / -	- / -	170 / 3.701

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy																							Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13										P-1 Line Item Number / Title: 3215 / Satellite Communications Systems										Modification Number / Title: 1 / (NR117) Global Broadcast Service (GBS)											
Modification Item 1 of 1: (NR117) Global Broadcast Service (GBS)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: [none specified] : Installation Name: Afloat Receive Terminal																															
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	146	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	7	6	3	3	3	-	1	-	-	-	-	-	-	-	170
Out	146	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	7	6	3	3	3	-	1	-	-	-	-	-	-	-	170
Method of Implementation (Organic): Not Installed - Portable Receive Terminal																															
																							Installation Quantity: 77								
Method of Implementation (Organic): Not Installed - JIPM Upgrade																															
																							Installation Quantity: 283								
Footnotes: ⁽²⁾ NR117/NR777 (GBS) - FY15 Afloat Receive Terminals will have a new competitive production contract. Due to the requirement for installation funding to be in place 90 days prior to the start of the avail, 1st quarter installations are funded with prior year funds. ⁽³⁾ Portable Receive Terminals are turn-key and therefore do not have installation costs associated with them. ⁽⁴⁾ Joint Internet Protocol Modems (JIPM) are turn-key and therefore do not have installation costs associated with them.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat			

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>)	98.963	15.696	14.539	5.048	-	5.048	9.634	7.807	4.971	8.232	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	98.963	15.696	14.539	5.048	-	5.048	9.634	7.807	4.971	8.232	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	98.963	15.696	14.539	5.048	-	5.048	9.634	7.807	4.971	8.232	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Commercial Broadband Satellite Program (CBSP) - Afloat - Provides commercial wideband SATCOM terminals supporting capabilities such as Automated Digital Multiplexing System (ADMS), telemedicine, official and unofficial phones, public affairs officer information, imagery, and Meteorology and Oceanography Command (METOC) communications.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat				
Models of Systems Affected: Submarines, ships			Modification Type: upgrade					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: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat												
B Kits												
Recurring												
1.1.1) Small Ship Variant (SSV) - NonOrganic	27 / 4.290	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 4.290
1.1.2) Unit Level Variant (ULV) - NonOrganic ⁽⁵⁾	30 / 28.482	2 / 5.358	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 7.204	Continuing	Continuing
1.1.3) Force Level Variant (FLV) - NonOrganic ⁽⁶⁾	10 / 16.368	2 / 3.552	5 / 7.250	1 / 1.765	- / -	1 / 1.765	4 / 6.755	2 / 4.320	1 / 1.881	- / -	- / -	25 / 41.891
Subtotal: Recurring	- / 49.140	- / 8.910	- / 7.250	- / 1.765	- / -	- / 1.765	- / 6.755	- / 4.320	- / 1.881	- / 7.204	Continuing	Continuing
Subtotal: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	67 / 49.140	4 / 8.910	5 / 7.250	1 / 1.765	- / -	1 / 1.765	4 / 6.755	2 / 4.320	1 / 1.881	8 / 7.204	Continuing	Continuing
Subtotal: Procurement, All Modification Items	- / 49.140	- / 8.910	- / 7.250	- / 1.765	- / -	- / 1.765	- / 6.755	- / 4.320	- / 1.881	- / 7.204	Continuing	Continuing
Support (All Modification Items)												
2.1) Training Equipment	- / 0.304	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.304
2.2) Engineering Change Orders	- / 0.648	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.648
2.3) Production Support	- / 4.951	- / 0.535	- / 0.435	- / 0.089	- / -	- / 0.089	- / 0.405	- / 0.217	- / 0.112	- / 0.360	Continuing	Continuing
2.4) Other (DSA)	- / 8.940	- / 2.126	- / 1.174	- / 0.584	- / -	- / 0.584	- / 0.754	- / 0.750	- / 0.443	- / 0.068	Continuing	Continuing
Subtotal: Support	- / 14.843	- / 2.661	- / 1.609	- / 0.673	- / -	- / 0.673	- / 1.159	- / 0.967	- / 0.555	- / 0.428	Continuing	Continuing
Installation												
Modification Item 1 of 1: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat	- / 34.980	- / 4.125	- / 5.680	- / 2.610	- / -	- / 2.610	- / 1.720	- / 2.520	- / 2.535	- / 0.600	- / -	- / 54.770
Subtotal: Installation	- / 34.980	- / 4.125	- / 5.680	- / 2.610	- / -	- / 2.610	- / 1.720	- / 2.520	- / 2.535	- / 0.600	- / -	- / 54.770
Total												
Total Cost (Procurement + Support + Installation)	98.963	15.696	14.539	5.048	-	5.048	9.634	7.807	4.971	8.232	Continuing	Continuing

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat					
Modification Item 1 of 1: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Harris - CBSP FLV							Manufacturer Location: >Palm Beach, FL						
Administrative Leadtime <i>(in Months)</i> : 4							Production Leadtime <i>(in Months)</i> : 6						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Jun 2013	Feb 2014	Feb 2015										
Delivery Dates	Dec 2013	Aug 2014	Aug 2015										
Manufacturer Name: TBD - CBSP ULV ⁽⁷⁾							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		Feb 2014	Jan 2015										
Delivery Dates		Aug 2014	Jul 2015										
Installation Information													
Method of Implementation: Tiger Team : Installation Name: Small Ship Variant (SSV), Unit Level Variant (ULV) and Force Level V													
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	60 / 34.980	5 / 4.125	2 / 1.610	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	67 / 40.715	
FY 2013	- / -	- / -	3 / 2.460	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.460	
FY 2014	- / -	- / -	2 / 1.610	3 / 2.610	- / -	3 / 2.610	- / -	- / -	- / -	- / -	- / -	5 / 4.220	
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.810	- / -	- / -	- / -	- / -	1 / 0.810	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.910	3 / 2.520	- / -	- / -	- / -	4 / 3.430	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 1.725	- / -	- / -	2 / 1.725	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.810	- / -	- / -	1 / 0.810	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.600	7 / -	8 / 0.600	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	60 / 34.980	5 / 4.125	7 / 5.680	3 / 2.610	- / -	3 / 2.610	2 / 1.720	3 / 2.520	3 / 2.535	1 / 0.600	7 / -	91 / 54.770	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13										P-1 Line Item Number / Title: 3215 / Satellite Communications Systems										Modification Number / Title: 2 / (NR112) Commercial Broadband Satellite program (CBSP) - Afloat											
Modification Item 1 of 1: (NR112) Commercial Broadband Satellite program (CBSP) - Afloat																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Tiger Team : Installation Name: Small Ship Variant (SSV), Unit Level Variant (ULV) and Force Level V																															
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	61	-	-	1	2	1	-	3	1	3	1	1	1	-	1	-	-	1	1	2	-	-	1	-	2	-	-	-	1	7	91
Out	60	1	-	-	1	2	1	-	3	1	3	1	1	1	-	1	-	-	1	1	2	-	-	1	-	2	-	-	-	8	91

Footnotes:

- (5) One ULV terminal in FY13 will be used as a production test asset and not installed.
- (6) FLV terminals include a single and a dual antenna configuration which influences average unit cost.
- (7) CBSP - Follow on Unit Level Variant (ULV) MFG TBD. Contract award date February 2014.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13	P-1 Line Item Number / Title: 3215 / Satellite Communications Systems	Modification Number / Title: 3 / (NR118) JMINI CS Shore

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>)	5.138	-	-	6.946	-	6.946	5.692	-	-	-	-	17.776
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	5.138	-	-	6.946	-	6.946	5.692	-	-	-	-	17.776
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	5.138	-	-	6.946	-	6.946	5.692	-	-	-	-	17.776
(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:

The Joint Ultra-High Frequency (UHF) Military Satellite communication (MILSATCOM) Network Integrated Control System (JMINI CS) is a legacy system that commenced in 1998. JMINI CS is a Navy-led, Joint interest program providing integrated, dynamic, and centralized control of non-processed UHF MILSATCOM 5 and 25 kHz Demand Assigned Multiple Access (DAMA) and Demand Assigned Single Access (DASA) channels to maximize existing highly sought after SATCOM resources used to support operational strike missions as well as joint training and tactical exercises. The system provides decentralized web-based management of those resources for use as a situational awareness tool for Combatant Commanders and SATCOM Support Centers. The JMINI CS is required to operate beyond the original End of Life (EoL) in 2015 in order to continue to support mission critical operations through at least 2033. The globally integrated system consists of three major subsystems: Network Management System, Satellite Access Controller and the control terminals. The JMINI CS system refresh effort will replace obsolete and unsupported components or subsystems while maintaining interoperability with existing systems. Design and integration efforts were funded with RDTEN. Funding increase in FY15-16 is for the procurement of hardware and software refresh of subsystems, including COTS/GOTS solutions, as well as installation activities for the system refresh.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3215 / Satellite Communications Systems				Modification Number / Title: 3 / (NR118) JMINI CS Shore					
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: (NR118) JMINI CS Shore													
B Kits													
Recurring													
1.1.1) JMINI Control System Shore - NonOrganic	- / 4.954	- / -	- / -	4 / 6.466	- / -	4 / 6.466	- / -	- / -	- / -	- / -	- / -	4 / 11.420	
Subtotal: Recurring	- / 4.954	- / -	- / -	- / 6.466	- / -	- / 6.466	- / -	- / -	- / -	- / -	- / -	- / 11.420	
Subtotal: (NR118) JMINI CS Shore	- / 4.954	- / -	- / -	4 / 6.466	- / -	4 / 6.466	- / -	- / -	- / -	- / -	- / -	4 / 11.420	
Subtotal: Procurement, All Modification Items	- / 4.954	- / -	- / -	- / 6.466	- / -	- / 6.466	- / -	- / -	- / -	- / -	- / -	- / 11.420	
Support (All Modification Items)													
2.1) Production Support	- / 0.184	- / -	- / -	- / 0.480	- / -	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / 0.664	
Subtotal: Support	- / 0.184	- / -	- / -	- / 0.480	- / -	- / 0.480	- / -	- / -	- / -	- / -	- / -	- / 0.664	
Installation													
Modification Item 1 of 1: (NR118) JMINI CS Shore	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.692	- / -	- / -	- / -	- / -	- / 5.692	
Subtotal: Installation	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 5.692	- / -	- / -	- / -	- / -	- / 5.692	
Total													
Total Cost (Procurement + Support + Installation)	5.138	-	-	6.946	-	6.946	5.692	-	-	-	-	17.776	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13										P-1 Line Item Number / Title: 3215 / Satellite Communications Systems										Modification Number / Title: 3 / (NR118) JMINI CS Shore											
Modification Item 1 of 1: (NR118) JMINI CS Shore																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: New MFG - TBD ⁽⁸⁾													Manufacturer Location: >New MFG - TBD																		
Administrative Leadtime <i>(in Months)</i> : 1													Production Leadtime <i>(in Months)</i> : 2																		
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019					
Contract Dates										Nov 2014																					
Delivery Dates										Jan 2015																					
Installation Information																															
Method of Implementation: Method : Installation Name: JMINI CS																															
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		- / -		- / -		- / -		- / -		- / -		- / -		4 / 5.692		- / -		- / -		- / -		- / -		- / -		4 / 5.692					
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -					
Total		- / -		- / -		- / -		- / -		- / -		- / -		4 / 5.692		- / -		- / -		- / -		- / -		- / -		4 / 5.692					
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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	4
Footnotes:																															
⁽⁸⁾ Prior to Installation, 15 months are required for Integration, Assembly and Testing.																															

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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 02: Communications & Electronics Equip / BSA 13: Satellite Communications							P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)					
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: 290			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>)	280.402	156.171	183.620	272.076	-	272.076	119.072	50.848	71.033	72.114	73.968	1,279.304
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	280.402	156.171	183.620	272.076	-	272.076	119.072	50.848	71.033	72.114	73.968	1,279.304
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	280.402	156.171	183.620	272.076	-	272.076	119.072	50.848	71.033	72.114	73.968	1,279.304
<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>)	-	1.040	0.566	2.277	-	2.277	-	-	-	-	-	3.883
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: The Navy Multiband Terminal (NMT) System provides funds for procurement of ship, submarine, and shore protected and wideband Military Satellite Communications (MILSATCOM) terminals via earth orbiting relay satellites in the Super High Frequency, Ka, and Extremely High Frequency (EHF) bands. The NMT provides warfighters with the assured, jam resistant, secure SATCOM for message traffic, data transfer and secure voice communications. These procurements are scheduled to meet the satellite communications requirements established by the Chief of Naval Operations in the Fleet Communications Planning and Programming documents. NAVY MULTIBAND TERMINAL (NMT - NS108): The NMT program is the next generation maritime military satellite communications terminal. The NMT Program is the required Navy component to the Advanced Extremely High Frequency (AEHF) Program for enhancing protected and survivable satellite communications to Naval forces. NMT multiband communication capabilities will communicate two way Ka-Band on Wideband Global SATCOM (WGS) and shipboard and submarine terminals to communicate with X-Band using the Defense Satellite Communications System and WGS. NMT is compatible with today's Navy Low Data Rate/Medium Data Rate terminals, X-Band terminals and will sustain the MILSATCOM architecture by providing connectivity across the spectrum of mission areas, to include land, air and naval warfare, special operations, strategic nuclear operations, strategic defense, theater missile defense, and space operations and intelligence. The NMT system will replenish and improve on the capabilities of both the Military Strategic and Tactical Relay System (MILSTAR) and WGS system by equipping the warfighters with the assured, jam resistant, secure communications as described in the Operational Requirements Document (Wideband Gapfiller System ORD, AFSPC ORD 004-99, May 3, 2000) for the joint AEHF Satellite Communications and WGS 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 02: Communications & Electronics Equip / BSA 13: Satellite Communications												P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)									
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: 290						Item MDAP/MAIS Code(s):															

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 3216 Navy Multiband Terminal (NMT) - Afloat	P-3a		-	-	261.781	-	-	147.322	-	-	176.276	-	-	251.366	-	-	-	-	-	251.366
P-3a - 2 / 3216 Navy Multiband Terminal (NMT) - Ashore	P-3a		-	-	18.621	-	-	8.849	-	-	7.344	-	-	20.710	-	-	-	-	-	20.710
Total Gross/Weapon System Cost			-	-	280.402	-	-	156.171	-	-	183.620	-	-	272.076	-	-	-	-	-	272.076

Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total		
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
P-3a - 1 / 3216 Navy Multiband Terminal (NMT) - Afloat	P-3a		-	-	110.604	-	-	47.037	-	-	69.271	-	-	63.797	-	-	55.753	-	-	1,183.207
P-3a - 2 / 3216 Navy Multiband Terminal (NMT) - Ashore	P-3a		-	-	8.468	-	-	3.811	-	-	1.762	-	-	8.317	-	-	18.215	-	-	96.097
Total Gross/Weapon System Cost			-	-	119.072	-	-	50.848	-	-	71.033	-	-	72.114	-	-	73.968	-	-	1,279.304

*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:
FY15 continues the procurement of full capability terminals and backfits for X/Ka and Advanced EHF Time Division Multiple Access Interface Processor (ATIP) on ship terminals procured in prior years.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13	P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)	Modification Number / Title: 1 / 3216 Navy Multiband Terminal (NMT) - Afloat

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>)	261.781	147.322	176.276	251.366	-	251.366	110.604	47.037	69.271	63.797	55.753	1,183.207
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	261.781	147.322	176.276	251.366	-	251.366	110.604	47.037	69.271	63.797	55.753	1,183.207
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	261.781	147.322	176.276	251.366	-	251.366	110.604	47.037	69.271	63.797	55.753	1,183.207
(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:

[Afloat Ship] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

[Afloat Sub] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

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LI 3216 - Navy Multiband Terminal (NMT)
Navy

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)				Modification Number / Title: 1 / 3216 Navy Multiband Terminal (NMT) - Afloat				
Modification Item 1 of 1: 3216 Navy Multiband Terminal (NMT) - Afloat												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Raytheon						Manufacturer Location: >Marlborough, MA						
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	Dec 2012	Jan 2014										
Delivery Dates	Mar 2014	Apr 2015										
Manufacturer Name: New MFG - TBD						Manufacturer Location: >New MFG - TBD						
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			Jan 2015									
Delivery Dates			Apr 2016									
Installation Information												
Method of Implementation: Method : Installation Name: Navy Multiband Terminal (NMT) - Afloat												
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	37 / 41.559	45 / 45.518	19 / 41.229	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	101 / 128.306
FY 2013	- / -	- / -	8 / 26.706	20 / 71.716	- / -	20 / 71.716	- / -	- / -	- / -	- / -	- / -	28 / 98.422
FY 2014	- / -	- / -	- / -	20 / 87.205	- / -	20 / 87.205	21 / 38.660	- / -	- / -	- / -	- / -	41 / 125.865
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	8 / 24.616	4 / 10.507	- / -	- / -	- / -	12 / 35.123
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 11.786	6 / 18.517	- / -	- / -	12 / 30.303
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 14.478	- / -	- / -	3 / 14.478
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 31.266	- / -	5 / 31.266
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 17.093	7 / 17.093
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 11.878	6 / 11.878
Total	37 / 41.559	45 / 45.518	27 / 67.935	40 / 158.921	- / -	40 / 158.921	29 / 63.276	10 / 22.293	9 / 32.995	5 / 31.266	13 / 28.971	215 / 492.734

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Exhibit P-3a, Individual Modification: PB 2015 Navy																				Date: March 2014											
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13										P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)										Modification Number / Title: 1 / 3216 Navy Multiband Terminal (NMT) - Afloat											
Modification Item 1 of 1: 3216 Navy Multiband Terminal (NMT) - Afloat																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Method : Installation Name: Navy Multiband Terminal (NMT) - Afloat																															
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	-	9	6	18	8	23	3	4	1	20	6	6	8	21	1	3	4	4	2	3	2	5	2	1	-	-	5	-	13	215
Out	35	2	-	9	6	18	8	23	3	4	1	20	6	6	8	21	1	3	4	4	2	3	2	5	2	1	-	-	5	13	215

Footnotes:

(¹) 1. FY13-15 procurements include X/Ka capability backfits on ship terminals procured in FY10-11. 2. FY14 and beyond procurements include the addition of the Advanced EHF Time Division Multiple Access Interface Processor (ATIP) and its backfits on terminals previously procured in FY10-13. 3. A new competitive production contract is planned for FY15. 4. Unit cost for procurements and installations will vary from year to year due to a different mix of platform variants and quantity of components procured each year as well as additional costs for X/Ka backfits and ATIP capability. In FY15 the NMT program is accelerating the NMT X/Ka backfit procurements originally planned for FY16. The backfit and ATIP procurements account for approximately 26% of the FY15 procurement costs. Additionally, unit cost for procurements is also determined by contract quantity pricing at the total order level (ship/sub/shore). 5. Unit cost for NMT procurements and installations vary from year to year due to the mix of platform variants (large vs small decks), submarines and shore sites. Large decks consist of 2 Communications Groups with 4, 5, or 6 antennas. Small decks consist of 1 Communication Group with 2, 3, or 4 antennas. There are 13 variants of the NMT and antenna size varies by class (ranging from 54" to 96"). 6. Procurement lead time is 15 months to deliver the first terminal. Deliveries continue over a 12 month period with the last delivery occurring 27 months after award. Per contract, a minimum of 2 terminals are delivered each month during the next 12 months to keep the production line open. For FY15 the expected delivery will be from April 2016 to March 2017. 7. Per Fleet Modernization Program (FMP) first quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. 8. The installation plan is supported by a flexible industry labor base. Installation cost fluctuations are attributed to and are dependent on class, configuration of the platform, and configuration of the NMT installed (single CG, dual CGs, Q/Ka, Q/X/Ka, 2-6 antenna configuration, shore, or submarine). For example, the estimated installation cost for a LHD 1 class (large deck) platform with dual Q/X/Ka capability is approximately four times greater than a DDG 51 class platform (small deck) with the same Q/X/Ka capability. Fielded platforms with the Q/Ka configuration require an X/Ka backfit, which has additional costs dependent on platform (large vs small deck). Furthermore, installation costs increase in FY15 as the majority of terminals fielded begin to change from Q/Ka to Q/X/Ka capable.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13	P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)	Modification Number / Title: 2 / 3216 Navy Multiband Terminal (NMT) - Ashore

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>)	18.621	8.849	7.344	20.710	-	20.710	8.468	3.811	1.762	8.317	18.215	96.097
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	18.621	8.849	7.344	20.710	-	20.710	8.468	3.811	1.762	8.317	18.215	96.097
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	18.621	8.849	7.344	20.710	-	20.710	8.468	3.811	1.762	8.317	18.215	96.097
<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:

[Ashore] Provides jam resistant, low probability of interception and detection for protected extended data rate communications with AEHF capability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)				Modification Number / Title: 2 / 3216 Navy Multiband Terminal (NMT) - Ashore					
Models of Systems Affected: Shore stations, ships, submarines				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303109N					
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: 3216 Navy Multiband Terminal (NMT) - Ashore													
B Kits													
Recurring													
1.1.1) Ashore - NonOrganic ⁽²⁾	12 / 17.536	6 / 6.841	- / -	7 / 15.332	- / -	7 / 15.332	- / -	1 / 3.628	- / -	4 / 8.317	5 / 7.885	35 / 59.539	
1.1.2) Production Support - Ashore - Organic	- / 1.085	- / 0.499	- / -	- / 0.730	- / -	- / 0.730	- / -	- / 0.183	- / -	- / -	- / -	- / 2.497	
1.1.3) Other DSA - Ashore - Organic	- / -	- / 0.137	- / 0.668	- / 0.423	- / -	- / 0.423	- / 0.770	- / -	- / 0.160	- / -	- / 0.939	- / 3.097	
Subtotal: Recurring	- / 18.621	- / 7.477	- / 0.668	- / 16.485	- / -	- / 16.485	- / 0.770	- / 3.811	- / 0.160	- / 8.317	- / 8.824	- / 65.133	
Subtotal: 3216 Navy Multiband Terminal (NMT) - Ashore	12 / 18.621	6 / 7.477	- / 0.668	7 / 16.485	- / -	7 / 16.485	- / 0.770	1 / 3.811	- / 0.160	4 / 8.317	5 / 8.824	35 / 65.133	
Subtotal: Procurement, All Modification Items	- / 18.621	- / 7.477	- / 0.668	- / 16.485	- / -	- / 16.485	- / 0.770	- / 3.811	- / 0.160	- / 8.317	- / 8.824	- / 65.133	
Installation													
Modification Item 1 of 1: 3216 Navy Multiband Terminal (NMT) - Ashore	- / 0.000	- / 1.372	- / 6.676	- / 4.225	- / -	- / 4.225	- / 7.698	- / -	- / 1.602	- / -	- / 9.391	- / 30.964	
Subtotal: Installation	- / 0.000	- / 1.372	- / 6.676	- / 4.225	- / -	- / 4.225	- / 7.698	- / -	- / 1.602	- / -	- / 9.391	- / 30.964	
Total													
Total Cost (Procurement + Support + Installation)	18.621	8.849	7.344	20.710	-	20.710	8.468	3.811	1.762	8.317	18.215	96.097	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13				P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)				Modification Number / Title: 2 / 3216 Navy Multiband Terminal (NMT) - Ashore				
Modification Item 1 of 1: 3216 Navy Multiband Terminal (NMT) - Ashore												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Raytheon						Manufacturer Location: >Marlborough, MA						
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	Dec 2012	Jan 2014										
Delivery Dates	Mar 2014	Apr 2015										
Manufacturer Name: New MFG - TBD						Manufacturer Location: >New MFG - TBD						
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			Jan 2015									
Delivery Dates			Apr 2016									
Installation Information												
Method of Implementation: Method : Installation Name: Navy Multiband Terminal (NMT) - Ashore												
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 / 1.372	10 / 6.069	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	12 / 7.441
FY 2013	- / -	- / -	1 / 0.607	5 / 4.225	- / -	5 / 4.225	- / -	- / -	- / -	- / -	- / -	6 / 4.832
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	7 / 7.698	- / -	- / -	- / -	- / -	7 / 7.698
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.602	- / -	- / -	1 / 1.602
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 4.172	4 / 4.172
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 5.219	5 / 5.219
Total	- / -	2 / 1.372	11 / 6.676	5 / 4.225	- / -	5 / 4.225	7 / 7.698	- / -	1 / 1.602	- / -	9 / 9.391	35 / 30.964

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 13	P-1 Line Item Number / Title: 3216 / Navy Multiband Terminal (NMT)	Modification Number / Title: 2 / 3216 Navy Multiband Terminal (NMT) - Ashore

Modification Item 1 of 1: 3216 Navy Multiband Terminal (NMT) - Ashore

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Method : Installation Name: Navy Multiband Terminal (NMT) - Ashore

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	-	-	-	8	2	-	1	3	2	-	-	-	-	2	5	-	-	-	-	-	-	-	1	-	-	-	-	9	35
Out	-	-	2	-	-	-	8	2	-	1	3	2	-	-	-	-	2	5	-	-	-	-	-	-	-	1	-	-	-	9	35

Footnotes:

(2) 1. FY13-15 procurements include X/Ka capability backfits on ship terminals procured in FY10-11. 2. FY14 and beyond procurements include the addition of the Advanced EHF Time Division Multiple Access Interface Processor (ATIP) and its backfits on terminals previously procured in FY10-13. 3. A new competitive production contract is planned for FY15. 4. Unit cost for procurements and installations will vary from year to year due a different mix of platform variants and quantity of components procured each year as well as additional costs for X/Ka backfits and ATIP capability. In FY15 the NMT program is accelerating the NMT X/Ka backfit procurements originally planned for FY16. The backfit and ATIP procurements account for approximately 26% of the FY15 procurement costs. Additionally, unit cost for procurements is also determined by contract quantity pricing at the total order level (ship/sub/shore). 5. Unit cost for NMT procurements and installations vary from year to year due to the mix of platform variants (large vs small decks), submarines and shore sites. Large decks consist of 2 Communications Groups with 4, 5, or 6 antennas. Small decks consist of 1 Communication Group with 2, 3, or 4 antennas. There are 13 variants of the NMT and antenna size varies by class (ranging from 54" to 96"). 6. Procurement lead time is 15 months to deliver the first terminal. Deliveries continue over a 12 month period with the last delivery occurring 27 months after award. Per contract, a minimum of 2 terminals are delivered each month during the next 12 months to keep the production line open. For FY15 the expected delivery will be from April 2016 to March 2017. 7. Per Fleet Modernization Program (FMP) first quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. 8. The installation plan is supported by a flexible industry labor base. Installation cost fluctuations are attributed to and are dependent on class, configuration of the platform, and configuration of the NMT installed (single CG, dual CGs, Q/Ka, Q/X/Ka, 2-6 antenna configuration, shore, or submarine). For example, the estimated installation cost for a LHD 1 class (large deck) platform with dual Q/X/Ka capability is approximately four times greater than a DDG 51 class platform (small deck) with the same Q/X/Ka capability. Fielded platforms with the Q/Ka configuration require an X/Ka backfit, which has additional costs dependent on platform (large vs small deck). Furthermore, installation costs increase in FY15 as the majority of terminals fielded begin to change from Q/Ka to Q/X/Ka capable.

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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 02: Communications & Electronics Equip / BSA 14: Shore Communications	P-1 Line Item Number / Title: 3302 / JCS Communications 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>)	4.430	2.128	4.463	4.369	-	4.369	4.651	4.678	4.577	4.672	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	4.430	2.128	4.463	4.369	-	4.369	4.651	4.678	4.577	4.672	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	4.430	2.128	4.463	4.369	-	4.369	4.651	4.678	4.577	4.672	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This line funds the Department of the Navy's portion of the Joint Communications Support Element (JCSE) Program. This program is jointly funded by Army, Navy, Marine Corps and Air Force in support of Joint Tactical Force and Joint Special Operations Task Force Headquarters.

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)
JCS Communications Equipment	P-40a		-	-	4.430	-	-	2.128	-	-	4.463	-	-	4.369	-	-	-	-	-	4.369
Total Gross/Weapon System Cost			-	-	4.430	-	-	2.128	-	-	4.463	-	-	4.369	-	-	-	-	-	4.369

*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:

Funds procure various communications equipment to include the following: Commercial-Off-The-Shelf small aperture / Wide-band High Data Rate satellite terminals / Ultra High Frequency Next Generation satellite systems / Multi-band spread spectrum Line of Sight transmission systems / Communication, Command, Control and Computers extension package upgrades / Voice Over Internet Protocol, Voice Over Secure Internet Protocol and Everything Over Internet Protocol network data equipment / Defense Message System Tactical / Joint Worldwide Intelligence Communication Systems / Communications Security Secure Telephone Equipment / Network COMSEC KG-250s, KG-21, SECNET 64 Wireless Type I / personal communications systems to provide seamless integration of commercial cellular service to the tactical network / manpack multi-mode multi-band radios for the quick reaction element / Commercial-Off-the-Shelf Theater Deployable Communications switch upgrades / Wide Area Network Access for Global

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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 02: Communications & Electronics Equip / BSA 14: Shore Communications		P-1 Line Item Number / Title: 3302 / JCS Communications Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Information Grid Next Generation multi-media / Broad Band Campus with Information Assurance suites / Global Broadcast System (GBS) Time Division Multiple Access Interface Processor / GBS receive suite upgrades / Video Teleconferencing upgrades.		

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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 / 02 / 14								P-1 Line Item Number / Title: 3302 / JCS Communications Equipment							Aggregated Items Title: JCS Communications Equipment					
Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)
1) Joint Communication Support Element Modernization																				
1.1) Joint Communication Support Element Modernization ⁽¹⁾	A		-	-	4.430	-	-	2.128	-	-	4.463	-	-	4.369	-	-	-	-	-	4.369
Subtotal: 1) Joint Communication Support Element Modernization			-	-	4.430	-	-	2.128	-	-	4.463	-	-	4.369	-	-	-	-	-	4.369
Total			-	-	4.430	-	-	2.128	-	-	4.463	-	-	4.369	-	-	-	-	-	4.369

Footnotes:

⁽¹⁾ Quantities are not shown. Quantities and equipment type are determined by the COCOM on an annual basis based on Joint Task Force and Joint Special Operations Task Force operational requirements for critical communications.

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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 02: Communications & Electronics Equip / BSA 14: Shore Communications							P-1 Line Item Number / Title: 3303 / Electrical Power Systems						
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	1.189	0.778	1.402	-	1.402	1.428	1.454	1.482	1.512	Continuing	Continuing	
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Net Procurement (P1) <i>(\$ in Millions)</i>	0.000	1.189	0.778	1.402	-	1.402	1.428	1.454	1.482	1.512	Continuing	Continuing	
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Total Obligation Authority <i>(\$ in Millions)</i>	0.000	1.189	0.778	1.402	-	1.402	1.428	1.454	1.482	1.512	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 Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
Gross/Weapon System Unit Cost <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-	
[#] The FY 2015 OCO Request will be submitted at a later date.													
Description: Procures, installs, and replaces generators and UPS systems to provide highly reliable, continuous, high quality power subsystems to support Navy Cyber Forces. Some of the operational load is designated as "critical" and requires Uninterruptible Power Supply Systems for instantaneous application in case of loss or disturbance of the primary power source.													

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
Electrical Power Systems	P-40a		-	-	0.000	-	-	1.189	-	-	0.778	-	-	1.402	-	-	-	-	-	1.402
Total Gross/Weapon System Cost			-	-	0.000	-	-	1.189	-	-	0.778	-	-	1.402	-	-	-	-	-	1.402

*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 / 02 / 14								P-1 Line Item Number / Title: 3303 / Electrical Power Systems								Aggregated Items Title: Electrical Power Systems			

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 (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1) Electrical Power Systems (Fleet Forces Command)																				
1.1) Procure & Install Generators - NRTF Grindavik	A		-	-	-	1.189	1	1.189	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Procure & Install Generators - NCTS Bahrain	A		-	-	-	-	-	-	0.778	1	0.778	-	-	-	-	-	-	-	-	-
1.3) Procure & Install UPS System, Comm Facility Bahrain	A		-	-	-	-	-	-	-	-	-	1.402	1	1.402	-	-	-	1.402	1	1.402
1.4) Procure & Install Generator Systems, Comm Facility Iceland	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) Procure & Install UPS, Comm Facility Bahrain	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) Procure & Install UPS, Comm Facility Norfolk	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) Procure & Install Generator System, Comm Facility Rota	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Electrical Power Systems (Fleet Forces Command)			-	-	0.000	-	-	1.189	-	-	0.778	-	-	1.402	-	-	-	-	-	1.402
Total			-	-	0.000	-	-	1.189	-	-	0.778	-	-	1.402	-	-	-	-	-	1.402

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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 02: Communications & Electronics Equip / BSA 15: Cryptographic Equipment							P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)					
ID Code (A=Service Ready, B=Not Service Ready) : A			Program Elements for Code B Items:					Other Related Program Elements: 0303140N				
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>)	1,104.694	123.917	133.530	110.766	-	110.766	144.125	81.580	86.039	89.929	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	1,104.694	123.917	133.530	110.766	-	110.766	144.125	81.580	86.039	89.929	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	1,104.694	123.917	133.530	110.766	-	110.766	144.125	81.580	86.039	89.929	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>)	-	0.754	1.262	0.641	-	0.641	0.572	0.355	0.298	0.169	Continuing	Continuing
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: The Information Systems Security Program (ISSP) ensures the protection of Navy and joint cyberspace systems from exploitation and attack. Cyberspace systems include wired and wireless telecommunications systems, information technology (IT) systems, and the content processed, stored, or transmitted therein. ISSP includes protection of the Navy's National Security Systems (NSS). ISSP provides for the procurement of Communications Security (COMSEC) equipment to Navy ships, shore sites, aircraft, Marine Corps, and United States Coast Guard (USCG) via the Navy Crypto Modernization (CM) and Key Management (KM) programs. ISSP protects information systems from unauthorized access or modification of information, and against the denial of service to authorized users or provision of service to unauthorized users. Information Assurance (IA) / Computer Network Defense (CND) is a layered protection strategy, using Commercial Off-The-Shelf (COTS) and Government Off-The-Shelf (GOTS) hardware and software products that collectively provide an effective Network Security Infrastructure (multiple level security mechanisms and ability to detect and react to intrusions). IA/CND is critical in protecting our ability to wage Network Centric Warfare (NCW) and improving network defense and security wholeness. The rapid change in the underlying commercial and government cyber infrastructures makes cyber security an increasingly complex and dynamic problem. ISSP provides the Navy's warfighter the essential information trust characteristics of availability, confidentiality, integrity, authentication, and non-repudiation. IA/CND, key supporting cyber security activities, must evolve quickly to meet the rapidly evolving threats and vulnerabilities. Implementing ISSP requires new acquisition approaches to stay ahead of the adversary, including nation-states, terrorist, and criminal organizations. The program provides hardware and software to the Navy with these cyber security capabilities: (1) defense of National Security Systems and Information; (2) assured separation of information levels and user communities, including allied, coalition, non-Governmental, Defense Industrial Base, and other public partners; (3) technologies supporting the Navy's Computer Network Defense Service Providers (CNDSP) operations; (4) assured use of the Navy's telecommunications infrastructure and the wireless spectrum; (5) assurance of joint-user cyberspace domains, using a defense-in-depth architecture; (6) assurance of the critical computing base and information store; and, (7) supporting assurance technologies, including a Public Key Infrastructure (PKI). ISSP must be rapid, predictive, adaptive, and tightly coupled to cyberspace technology.												

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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 02: Communications & Electronics Equip / BSA 15: Cryptographic Equipment											P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:							Other Related Program Elements: 0303140N							
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)
Item - 1 / Info Systems Security Program (ISSP)	P-5		-	-	40.069	-	-	2.498	-	-	3.275	-	-	2.006	-	-	-	-	-	2.006
P-3a - 1 / Computer Network Defense (CND) Increment 2-Afloat (DA070)	P-3a		-	-	11.762	-	-	7.684	-	-	5.090	-	-	5.825	-	-	-	-	-	5.825
P-3a - 2 / Computer Network Defense (CND) Increment 2-Ashore (DA070)	P-3a		-	-	10.126	-	-	14.157	-	-	14.851	-	-	17.422	-	-	-	-	-	17.422
P-3a - 3 / Cyber Security VSE - Afloat (DA070)	P-3a		-	-	0.000	-	-	3.020	-	-	0.254	-	-	0.251	-	-	-	-	-	0.251
P-3a - 4 / Cyber Security VSE - Ashore (DA070)	P-3a		-	-	0.000	-	-	4.620	-	-	0.846	-	-	0.325	-	-	-	-	-	0.325
P-3a - 5 / Navy Cryptography (Crypto) - Afloat (DA071)	P-3a		-	-	357.377	-	-	59.767	-	-	47.363	-	-	38.027	-	-	-	-	-	38.027
P-3a - 6 / Navy Cryptography (Crypto) - Ashore (DA071)	P-3a		-	-	599.706	-	-	16.213	-	-	26.689	-	-	13.193	-	-	-	-	-	13.193
P-3a - 7 / Key Management (KM) - Afloat (DA005)	P-3a		-	-	33.878	-	-	6.592	-	-	14.733	-	-	13.414	-	-	-	-	-	13.414
P-3a - 8 / Key Management (KM) - Ashore (DA005)	P-3a		-	-	51.776	-	-	9.366	-	-	20.429	-	-	20.303	-	-	-	-	-	20.303
Total Gross/Weapon System Cost			-	-	1,104.694	-	-	123.917	-	-	133.530	-	-	110.766	-	-	-	-	-	110.766
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)
Item - 1 / Info Systems Security Program (ISSP)	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / Computer Network Defense (CND) Increment 2-Afloat (DA070)	P-3a		-	-	5.065	-	-	3.990	-	-	3.740	-	-	2.496	Continuing			Continuing		
P-3a - 2 / Computer Network Defense (CND) Increment 2-Ashore (DA070)	P-3a		-	-	36.463	-	-	18.332	-	-	19.453	-	-	21.685	Continuing			Continuing		
P-3a - 3 / Cyber Security VSE - Afloat (DA070)	P-3a		-	-	0.251	-	-	0.251	-	-	0.251	-	-	0.251	-	-	-	-	-	4.529
P-3a - 4 / Cyber Security VSE - Ashore (DA070)	P-3a		-	-	0.358	-	-	0.340	-	-	0.328	-	-	0.339	Continuing			Continuing		
P-3a - 5 / Navy Cryptography (Crypto) - Afloat (DA071)	P-3a		-	-	51.164	-	-	36.748	-	-	25.220	-	-	24.712	Continuing			Continuing		
P-3a - 6 / Navy Cryptography (Crypto) - Ashore (DA071)	P-3a		-	-	24.273	-	-	5.371	-	-	24.700	-	-	27.582	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 02: Communications & Electronics Equip / BSA 15: Cryptographic Equipment												P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements: 0303140N									
Exhibits Schedule		ID CD	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total			
Title*	Exhibits		Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ K)	Qty (Each)	Total Cost (\$ M)	
P-3a - 7 / Key Management (KM) - Afloat (DA005)	P-3a		-	-	10.613	-	-	10.385	-	-	5.872	-	-	6.379	Continuing			Continuing			
P-3a - 8 / Key Management (KM) - Ashore (DA005)	P-3a		-	-	13.731	-	-	4.801	-	-	5.062	-	-	5.013	Continuing			Continuing			
Total Gross/Weapon System Cost			-	-	144.125	-	-	81.580	-	-	86.039	-	-	89.929	Continuing			Continuing			
*For Items, Title represents the Item Number / Title [DODIC]. For the P-3a, Title represents the Modification Number / Title. Note: Totals in this Exhibit P-40 set may not be exact or add due to rounding.																					
Justification: The FY 2015 budget will procure the following: Computer Network Defense (CND)(DA070): Equipment to secure Navy network information systems. Procurements within the CND Increment 2 equipment line include hardware and software such as servers, laptops, accessories and appliances that provide the following capabilities: Firewall components which provide protection for networks from unauthorized users; Virtual Private Networks (VPN) which provide encrypted "Point-to-Point" virtual communication networks; System and Host-Based Protection tools such as Host Based Security System (HBSS); Remediation tools, Boundary Protection, Email/Web Content Filtering, Intrusion Prevention Systems (IPS); network management tools; and supporting infrastructure such as Inner Security Screening Router (ISSR) / Outer Security Screening Router (OSSR), load balancers, and Keyboard, Video, and Mouse (KVM) switches. Hardware and software will also be procured to support the Outside the Continental United States (OCONUS) Navy Enterprise Network (ONE-Net) security initiative. Funds also support the Pre-Planned Product Improvement (P3I) initiative for Navy Cyber Defense Operations Command (NCDOC) and the Cyber Remediation initiative to improve network defense and security wholeness. Cyber Virtual Secure Enclave (VSE)(DA070): Equipment to provide Client Nodes (CN) and deployable Fly Away Kits (FAK), in order to support expanded user level access to the existing system architecture which is required for the execution of various operational plans. Navy Cryptography (Crypto)(DA071): Crypto equipment, which includes families of Communications Security (COMSEC), crypto data and crypto voice products; KW-46, VINSON/Advanced Narrowband Digital Voice Terminal Cryptographic Modernization (VACM), KIV-7M (COMSEC crypto serial replacement), and the Cryptographic Universal Enclosures (CUE). Key Management (KM) (DA005): Equipment to include Key Management Infrastructure (KMI), Management Clients (MGC), Advanced Key Processors (AKP),High Assurance Internet Protocol Equipment (HAIPE) devices, Delivery Only Clients (DOC), Simple Key Loaders (SKL), and associated ancillary equipment. Public Key Infrastructure (PKI) (DA018): Equipment to implement a secure infrastructure for the generation, management, delivery of digital certificates for secure electronic transactions, which include Alternate Logon Tokens (ALT), Real-Time Automated Personal Identification System (RAPIDS) hardware and software, RAPIDS v7.8.X (WIN7) hardware and software upgrades, Navy Certificate Validation Infrastructure (NCVI) SIPRNet & NIPRNet Afloat hardware and software, Online Certificate Status Protocol (OCSP) responders, and other certificate validation mechanisms.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Item Number / Title [DODIC]: 1 / Info Systems Security Program (ISSP)

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>	40.069	2.498	3.275	2.006	-	2.006	-	-	-	-	-	-
Less PY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) <i>(\$ in Millions)</i>	40.069	2.498	3.275	2.006	-	2.006	-	-	-	-	-	-
Plus CY Advance Procurement <i>(\$ in Millions)</i>	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority <i>(\$ in Millions)</i>	40.069	2.498	3.275	2.006	-	2.006	-	-	-	-	-	-

(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.

Cost Elements	ID CD	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)
Hardware - Public Key Infrastructure Cost																			
Recurring Cost																			
1.1.1) PKI Afloat - Procurement ⁽¹⁾		208.000	134	27.872	6.724	127	0.854	4.720	25	0.118	-	-	-	-	-	-	-	-	-
1.1.2) Alternate Logon Tokens (ALT) - Procurement ⁽²⁾		-	-	0.000	-	-	-	0.300	5,559	1.668	0.300	4,463	1.339	-	-	-	0.300	4,463	1.339
1.1.3) Navy Certificate Validation Infrastructure (NCVI) - Procurement		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	27.872	-	-	0.854	-	-	1.786	-	-	1.339	-	-	-	-	-	1.339
Non Recurring Cost																			
1.2.1) NCVI - Engineering/ C&A Support		-	-	0.000	-	-	-	-	-	0.442	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	0.000	-	-	-	-	-	0.442	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Public Key Infrastructure Cost		-	-	27.872	-	-	0.854	-	-	2.228	-	-	1.339	-	-	-	-	-	1.339
Hardware - INSTALLATIONS Cost																			
Non Recurring Cost																			
2.1.1) PKI Afloat - Installations		-	-	5.044	-	-	1.568	-	-	0.698	-	-	0.385	-	-	-	-	-	0.385
2.1.2) NCVI - Installations		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15							P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)							Item Number / Title [DODIC]: 1 / Info Systems Security Program (ISSP)					
Cost Elements	ID CD	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)
Subtotal: Non Recurring Cost		-	-	5.044	-	-	1.568	-	-	0.698	-	-	0.385	-	-	-	-	-	0.385
Subtotal: Hardware - INSTALLATIONS Cost		-	-	5.044	-	-	1.568	-	-	0.698	-	-	0.385	-	-	-	-	-	0.385
Support - Public Key Infrastructure (PKI) Cost																			
3.1) PKI Afloat - Production Support		-	-	5.706	-	-	0.034	-	-	0.010	-	-	-	-	-	-	-	-	-
3.2) PKI Ashore- Production Support ⁽³⁾		-	-	0.000	-	-	-	-	-	0.059	-	-	0.062	-	-	-	-	-	0.062
3.3) PKI Afloat - DSA		-	-	1.447	-	-	0.042	-	-	0.280	-	-	0.220	-	-	-	-	-	0.220
3.4) NCVI - Pre-Design Installation Planning		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Public Key Infrastructure (PKI) Cost		-	-	7.153	-	-	0.076	-	-	0.349	-	-	0.282	-	-	-	-	-	0.282
Gross/Weapon System Cost		-	-	40.069	-	-	2.498	-	-	3.275	-	-	2.006	-	-	-	-	-	2.006
Cost Elements	ID CD	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)
Hardware - Public Key Infrastructure Cost																			
Recurring Cost																			
1.1.1) PKI Afloat - Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) Alternate Logon Tokens (ALT) - Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) Navy Certificate Validation Infrastructure (NCVI) - Procurement		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Non Recurring Cost																			
1.2.1) NCVI - Engineering/ C&A Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Public Key Infrastructure Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - INSTALLATIONS Cost																			

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Exhibit P-5, Cost Analysis: PB 2015 Navy												Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15								P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)					Item Number / Title [DODIC]: 1 / Info Systems Security Program (ISSP)					

Cost Elements	ID CD	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)
Non Recurring Cost																			
2.1.1) PKI Afloat - Installations		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) NCVI - Installations		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - INSTALLATIONS Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Public Key Infrastructure (PKI) Cost																			
3.1) PKI Afloat - Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) PKI Ashore- Production Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) PKI Afloat - DSA		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) NCVI - Pre-Design Installation Planning		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Public Key Infrastructure (PKI) Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

- (1) FY14 PKI Afloat Procurement reflects new Navy requirement in support of NCVI Afloat. PKI Afloat procurements completed in FY14 (quantity of 25) as a lifetime buy from NCS Technologies due to end of contract date June 2014.
- (2) Alternate Logon Tokens (ALT) are procure only. No associated installation costs.
- (3) PKI Ashore production support includes Alternate Logon Tokens (ALT) from FY14-19 and Navy Certificate Validation Infrastructure (NCVI) in FY16.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 1 / Computer Network Defense (CND) Increment 2- Afloat (DA070)

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>)	11.762	7.684	5.090	5.825	-	5.825	5.065	3.990	3.740	2.496	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	11.762	7.684	5.090	5.825	-	5.825	5.065	3.990	3.740	2.496	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	11.762	7.684	5.090	5.825	-	5.825	5.065	3.990	3.740	2.496	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Computer Network Defense (CND) Afloat systems (AN/UYQ-96(V)) include: System and host-based protection tools such as Host Based Security System (HBSS), remediation tools including Assured Configuration Assessment Solution (ACAS), supporting hardware and software for Department of Defense (DoD) mandated tools, Information Assurance Tracking System (IATS), Operating System Environment (OSE), enhanced data correlation tools, switches, ancillary devices and other related security tools.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 1 / Computer Network Defense (CND) Increment 2- Afloat (DA070)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N					
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: Computer Network Defense (CND) Increment 2- Afloat (DA070)													
B Kits													
Recurring													
1.1.1) Operating System Environment (OSE) SW - NonOrganic ⁽⁴⁾	51 / 1.417	43 / 1.260	40 / 1.206	46 / 1.442	- / -	46 / 1.442	35 / 1.130	25 / 0.848	24 / 0.851	17 / 0.621	Continuing	Continuing	
1.1.2) OSE HW & SW - NonOrganic	9 / 0.535	7 / 0.415	2 / 0.123	4 / 0.254	- / -	4 / 0.254	1 / 0.065	1 / 0.080	- / -	1 / 0.082	Continuing	Continuing	
1.1.3) Information Assurance Tracking System (IATS) - NonOrganic	17 / 2.010	8 / 0.910	1 / 0.118	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	26 / 3.038	
1.1.4) Laptop - NonOrganic	10 / 0.329	3 / 0.119	2 / 0.081	7 / 0.292	- / -	7 / 0.292	12 / 0.515	4 / 0.192	4 / 0.200	- / -	Continuing	Continuing	
Subtotal: Recurring	- / 4.291	- / 2.704	- / 1.528	- / 1.988	- / -	- / 1.988	- / 1.710	- / 1.120	- / 1.051	- / 0.703	Continuing	Continuing	
Subtotal: Computer Network Defense (CND) Increment 2- Afloat (DA070)	87 / 4.291	61 / 2.704	45 / 1.528	57 / 1.988	- / -	57 / 1.988	48 / 1.710	30 / 1.120	28 / 1.051	18 / 0.703	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 4.291	- / 2.704	- / 1.528	- / 1.988	- / -	- / 1.988	- / 1.710	- / 1.120	- / 1.051	- / 0.703	Continuing	Continuing	
Support (All Modification Items)													
2.1) Initial Training ⁽⁵⁾	- / 0.911	- / 0.617	- / 0.705	- / 0.726	- / -	- / 0.726	- / 0.690	- / 0.655	- / 0.524	- / 0.419	Continuing	Continuing	
2.2) Production Support	- / 0.182	- / 0.117	- / 0.085	- / 0.095	- / -	- / 0.095	- / 0.084	- / 0.062	- / 0.069	- / 0.040	Continuing	Continuing	
2.3) DSA	- / 0.465	- / 0.184	- / 0.096	- / 0.139	- / -	- / 0.139	- / 0.094	- / 0.050	- / 0.044	- / 0.007	Continuing	Continuing	
Subtotal: Support	- / 1.558	- / 0.918	- / 0.886	- / 0.960	- / -	- / 0.960	- / 0.868	- / 0.767	- / 0.637	- / 0.466	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Computer Network Defense (CND) Increment 2- Afloat (DA070)	- / 5.913	- / 4.062	- / 2.676	- / 2.877	- / -	- / 2.877	- / 2.487	- / 2.103	- / 2.052	- / 1.327	- / -	- / 23.497	
Subtotal: Installation	- / 5.913	- / 4.062	- / 2.676	- / 2.877	- / -	- / 2.877	- / 2.487	- / 2.103	- / 2.052	- / 1.327	- / -	- / 23.497	
Total													
Total Cost (Procurement + Support + Installation)	11.762	7.684	5.090	5.825	-	5.825	5.065	3.990	3.740	2.496	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 1 / Computer Network Defense (CND) Increment 2- Afloat (DA070)

Modification Item 1 of 1: Computer Network Defense (CND) Increment 2- Afloat (DA070)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SSC Atlantic				Manufacturer Location: >Charleston, SC			
Administrative Leadtime (in Months): 2				Production Leadtime (in Months): 1			
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	Jan 2013	Jan 2014	Jan 2015				

Installation Information

Method of Implementation: Installed : Installation Name: Computer Network Defense (CND) Increment 2- Afloat

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	87 / 5.913	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	87 / 5.913
FY 2013	- / -	61 / 4.062	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	61 / 4.062
FY 2014	- / -	- / -	45 / 2.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	45 / 2.676
FY 2015	- / -	- / -	- / -	57 / 2.877	- / -	57 / 2.877	- / -	- / -	- / -	- / -	- / -	57 / 2.877
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	48 / 2.487	- / -	- / -	- / -	- / -	48 / 2.487
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 2.103	- / -	- / -	- / -	30 / 2.103
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 2.052	- / -	- / -	28 / 2.052
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 1.327	- / -	18 / 1.327
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	87 / 5.913	61 / 4.062	45 / 2.676	57 / 2.877	- / -	57 / 2.877	48 / 2.487	30 / 2.103	28 / 2.052	18 / 1.327	- / -	374 / 23.497

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	65	22	11	11	21	18	14	13	15	3	17	14	18	8	22	10	9	7	10	10	6	4	13	6	7	2	6	6	3	3	374
Out	62	23	13	9	21	20	14	12	16	3	17	13	18	9	20	11	9	8	8	9	9	4	13	4	9	2	6	6	3	3	374

Footnotes:

⁽⁴⁾ CND Inc 2 Afloat procurement/installation quantities represents one system per ship platform. The Operating System Environment (OSE) Software (SW) only variant loads software onto hardware, while the remaining variants refer to an identical software build loaded on differing hardware requirements (HW/SW, Information Assurance Tracking System (IATS) or Laptop). Depending on the build required to bring that ship to baseline, the unit cost goes from ~\$29K for SW only to ~\$121K for IATS. The mix of variants being fielded diff each year. Due to CND's rapid Information Technology (IT) fielding approach, CND afloat

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 1 / Computer Network Defense (CND) Increment 2- Afloat (DA070)

procurements vary year to year in order to deliver capabilities as determined by the CND Capabilities Steering Group (CCSG). First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

⁽⁵⁾ CND is designated Training Support Agent (TSA) IAW OPNAV 11102.2, CND is required to transition initial training (train the trainer) to an approved solution at the schoolhouses.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 2 / Computer Network Defense (CND) Increment 2- Ashore (DA070)			

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>)	10.126	14.157	14.851	17.422	-	17.422	36.463	18.332	19.453	21.685	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	10.126	14.157	14.851	17.422	-	17.422	36.463	18.332	19.453	21.685	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	10.126	14.157	14.851	17.422	-	17.422	36.463	18.332	19.453	21.685	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

CND Ashore systems (AN/FYC-23) are located at IT-21 Networks Operation Centers (NOCs), Outside the Continental United States (OCONUS) Navy Enterprise Network (ONE-Net) Information Assurance Suite (IAS), Broadcast Control Authorities (BCA), and Navy Cyber Defense Operations Command (NCDOC), and CND production labs. The ONE-Net security initiative consolidates Local Network Service Centers (LNSC) to their parent Theater Network Operations & Security Center (TNOSCs) for more efficient operation and enables greater failover capability between ONE-Net sites. The Virtual Training Environment initiative supports equipment upgrades at the Navy schoolhouses. The Pre-Planned Product Improvement (P3I) initiative for NCDOC which upgrades end-of-life equipment with more robust capability required at NCDOC. NCDOC is the designated Navy CND service provider, whose mission is to coordinate, monitor, analyze, and oversee the defense of Navy computer networks, NOCs, systems and is responsible for accomplishing CND missions as assigned by Commander, U.S. Tenth Fleet (COMTENTHFLT) and Commander, U.S. Cyber Command (USCC). NOCs provide regional protection to shore and afloat assets within their area of responsibility (AOR), however, NCDOC provides Navy-wide monitoring and defense for all the Navy NOCs. This effort will transition Information Assurance (IA) systems and capabilities from NCDOC. Resources will be used to upgrade sensor grids and data correlation tools, and to enhance the Cyber Defense Mission Support System (CDMSS) architectural framework to provide the necessary storage capability and processing power for NCDOC to successfully ingest and analyze increased volumes of data from additional sources; information will then be disseminated to Navy decision makers as their roles require. Deployment of Cyber Remediation will achieve improved network defense and security wholeness, countering intruders and attacks aimed at disrupting tactical communications at the afloat gateways and shore commands. Cyber Remediation capabilities will accelerate the Navy's ability to prevent, constrain and mitigate cyber-attacks and critical vulnerabilities as well as provide greater resiliency, awareness, data analytics, redundancy and diversity into the Navy's Defense-in-Depth (DiD) strategy.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 2 / Computer Network Defense (CND) Increment 2- Ashore (DA070)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N					
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: Computer Network Defense (CND) Increment 2- Ashore (DA070)													
B Kits													
Recurring													
1.1.1) Virtual Training Environment - Organic ⁽⁶⁾	- / -	1 / 1.655	- / -	- / -	- / -	- / -	1 / 1.756	- / -	- / -	1 / 1.809	Continuing	Continuing	
1.1.2) CND Production Labs - Organic ⁽⁷⁾	- / -	3 / 2.073	3 / 2.087	- / -	- / -	- / -	3 / 4.956	3 / 2.337	3 / 2.570	3 / 2.622	Continuing	Continuing	
1.1.3) Networks Operation Centers (NOC) - NonOrganic ⁽⁸⁾	5 / 2.392	4 / 2.789	4 / 2.841	4 / 2.927	- / -	4 / 2.927	4 / 7.244	4 / 3.165	4 / 3.448	4 / 3.548	Continuing	Continuing	
1.1.4) Navy Cyber Defense Operations Command (NCDOC) - NonOrganic ⁽⁹⁾	1 / 0.778	1 / 0.793	1 / 0.736	1 / 0.749	- / -	1 / 0.749	2 / 4.068	2 / 1.631	2 / 1.820	2 / 1.873	Continuing	Continuing	
1.1.5) Theater Network Operations & Security Center (TNOSC) - NonOrganic ⁽¹⁰⁾	3 / 1.492	3 / 2.051	3 / 2.050	3 / 2.132	- / -	3 / 2.132	3 / 5.378	3 / 2.317	3 / 2.549	3 / 2.623	Continuing	Continuing	
1.1.6) Broadcast Control Authorities (BCA) - NonOrganic	4 / 0.839	- / -	4 / 0.568	4 / 0.586	- / -	4 / 0.586	4 / 0.603	4 / 0.675	4 / 0.702	4 / 0.723	Continuing	Continuing	
1.1.7) Navy Enterprise Network (ONE-Net) - NonOrganic ⁽¹¹⁾	- / -	2 / 0.227	9 / 1.032	2 / 0.234	- / -	2 / 0.234	- / -	- / -	- / -	- / -	- / -	13 / 1.493	
1.1.8) P3I: NCDOC Upgrade - NonOrganic ⁽¹²⁾	- / -	- / -	- / -	1 / 3.402	- / -	1 / 3.402	1 / 1.218	1 / 1.266	1 / 1.291	1 / 1.317	- / -	5 / 8.494	
Subtotal: Recurring	- / 5.501	- / 9.588	- / 9.314	- / 10.030	- / -	- / 10.030	- / 25.223	- / 11.391	- / 12.380	- / 14.515	Continuing	Continuing	
Subtotal: Computer Network Defense (CND) Increment 2- Ashore (DA070)	13 / 5.501	14 / 9.588	24 / 9.314	15 / 10.030	- / -	15 / 10.030	18 / 25.223	17 / 11.391	17 / 12.380	18 / 14.515	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 5.501	- / 9.588	- / 9.314	- / 10.030	- / -	- / 10.030	- / 25.223	- / 11.391	- / 12.380	- / 14.515	Continuing	Continuing	
Support (All Modification Items)													
2.1) Initial Training	- / 0.542	- / 0.526	- / 0.621	- / 0.668	- / -	- / 0.668	- / 0.800	- / 0.880	- / 0.924	- / 0.983	Continuing	Continuing	
2.2) Production Support	- / 0.205	- / 0.246	- / 0.327	- / 0.375	- / -	- / 0.375	- / 0.915	- / 0.432	- / 0.466	- / 0.543	Continuing	Continuing	
2.3) DSA	- / 0.673	- / 0.858	- / 0.919	- / 0.794	- / -	- / 0.794	- / 0.661	- / 0.603	- / 0.636	- / 0.660	Continuing	Continuing	
Subtotal: Support	- / 1.420	- / 1.630	- / 1.867	- / 1.837	- / -	- / 1.837	- / 2.376	- / 1.915	- / 2.026	- / 2.186	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Computer Network Defense (CND) Increment 2- Ashore (DA070)	- / 3.205	- / 2.939	- / 3.670	- / 5.555	- / -	- / 5.555	- / 8.864	- / 5.026	- / 5.047	- / 4.984	- / -	- / 39.290	
Subtotal: Installation	- / 3.205	- / 2.939	- / 3.670	- / 5.555	- / -	- / 5.555	- / 8.864	- / 5.026	- / 5.047	- / 4.984	- / -	- / 39.290	
Total													

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)						Modification Number / Title: 2 / Computer Network Defense (CND) Increment 2- Ashore (DA070)			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]						Related RDT&E PEs: 0303140N			
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>	
Total Cost (Procurement + Support + Installation)	10.126	14.157	14.851	17.422	-	17.422	36.463	18.332	19.453	21.685	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																													
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15										P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)										Modification Number / Title: 2 / Computer Network Defense (CND) Increment 2- Ashore (DA070)																			
Modification Item 1 of 1: Computer Network Defense (CND) Increment 2- Ashore (DA070)																																							
Modification Item MDAP/MAIS Code:																																							
Manufacturer Information																																							
Manufacturer Name: SSC Atlantic															Manufacturer Location: >Charleston, SC																								
Administrative Leadtime (in Months): 2															Production Leadtime (in Months): 1																								
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		Jan 2013				Jan 2014				Jan 2015																													
Installation Information																																							
Method of Implementation: Installed : Installation Name: Computer Network Defense (CND) Increment 2- Shore																																							
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		12 / 3.205	1 / 0.191	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 3.396																										
FY 2013		- / -	10 / 2.748	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.748																										
FY 2014		- / -	- / -	21 / 3.670	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 3.670																										
FY 2015		- / -	- / -	- / -	15 / 5.555	- / -	15 / 5.555	- / -	- / -	- / -	- / -	- / -	15 / 5.555																										
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	14 / 8.864	- / -	- / -	- / -	- / -	14 / 8.864																										
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 5.026	- / -	- / -	- / -	14 / 5.026																										
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 5.047	- / -	- / -	14 / 5.047																										
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 4.984	- / -	14 / 4.984																										
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																										
Total		12 / 3.205	11 / 2.939	21 / 3.670	15 / 5.555	- / -	15 / 5.555	14 / 8.864	14 / 5.026	14 / 5.047	14 / 4.984	- / -	115 / 39.290																										
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	12	1	1	2	7	-	8	5	8	-	4	5	6	-	6	5	3	-	4	7	3	-	2	10	2	-	2	7	5	-	115								
Out	12	1	-	3	6	1	8	5	8	-	3	5	7	-	5	4	5	-	2	7	4	1	1	8	5	-	2	6	4	-	115								
Method of Implementation (Organic): Not Installed - Virtual Training Environment																														Installation Quantity: 3									
Method of Implementation (Organic): Not Installed - CND Production Labs																														Installation Quantity: 18									

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 2 / Computer Network Defense (CND) Increment 2- Ashore (DA070)

Footnotes:

⁽⁶⁾ CND is designated Training Support Agent (TSA) IAW OPNAV 11102.2, CND is required to transition equipment to an approved solution at the schoolhouses. FY16 and FY19 reflect equipment upgrades of the latest CND training baselines. No associated install costs.

⁽⁷⁾ Procurement of production representative systems for the CND Production Labs. No associated install costs.

⁽⁸⁾ CND Inc 2 Shore procurement/installation qty represents multiple CND architectures with an assortment of builds that are specifically designed to each site. Unit cost fluctuations vary with site type as well as variant being fielded to that site. Installation cost will vary based on equipment installed/removed as well as location. In accordance with CND's rapid IT fielding, CND procurement costs will vary year to year due to delivering capabilities determined by the CND Capabilities Steering Group (CCSG). FY16 unit cost increase for NOC sites supports cyber remediation effort to provide Cyber Remediation initiatives within the Navy CND program in order to achieve improved network defense and security wholeness.

⁽⁹⁾ FY16 unit cost increase for NCDOC sites supports cyber remediation effort to provide Cyber Remediation initiatives within the Navy CND program in order to achieve improved network defense and security wholeness.

⁽¹⁰⁾ FY16 unit cost increase for TNOSC sites supports cyber remediation effort to provide Cyber Remediation initiatives within the Navy CND program in order to achieve improved network defense and security wholeness.

⁽¹¹⁾ ONE-Net Security initiative is the reconfiguration effort to create increased failover capability between ONE-Net sites. POR is accelerating efforts to collapse Local Network Security Center (LNSC) sites by FY16 due to minimize sites with EOS equipment.

⁽¹²⁾ Pre-Planned Product Improvement (P3I) initiative for Navy Cyber Defense Operations Command (NCDOC) supports a major upgrade of end-of-life equipment with more robust capability that is required to support the NCDOC mission. Initial buy anticipated in FY15 with continuing improvements planned in the out years. Installation costs reduced from FY15 to FY16 due to fewer capabilities being delivered.

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 3 / Cyber Security VSE - Afloat (DA070)			

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	3.020	0.254	0.251	-	0.251	0.251	0.251	0.251	0.251	-	4.529
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	3.020	0.254	0.251	-	0.251	0.251	0.251	0.251	0.251	-	4.529
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	3.020	0.254	0.251	-	0.251	0.251	0.251	0.251	0.251	-	4.529
<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:

Cyber Security Virtual Secure Enclave (VSE) is the follow-on limited transition of capabilities from the Office of the Secretary of Defense (OSD) / Pacific Command (PACOM) sponsored VSE Joint Capability Technology Demonstration (JCTD). The technology provides a virtual secure enclave within existing networks that create a two-way encrypted tunnel between locations. The procurement funds are to procure hardware nodes and accompanying software for Application Service Points (ASP) and deployable Fly Away Kits (FAK), in order to provide an assured Command & Control (C2) capability for JTF-519 in the PACOM Area of Responsibility (AOR). This capability will be supported and maintained under Computer Network Defense (CND) specifically to support Joint Task Force (JTF)-519/PACOM urgent operational need until such time as an enterprise solution is fielded.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 3 / Cyber Security VSE - Afloat (DA070)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0303140N				
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: Cyber Security VSE - Afloat (DA070)												
B Kits												
Recurring												
1.1.1) Fly-Away-Kits (FAK) - Organic ⁽¹³⁾	- / -	10 / 2.547	1 / 0.254	1 / 0.251	- / -	1 / 0.251	1 / 0.251	1 / 0.251	1 / 0.251	1 / 0.251	- / -	16 / 4.056
1.1.2) Application Service Points (ASP) - NonOrganic	- / -	2 / 0.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.320
Subtotal: Recurring	- / 0.000	- / 2.867	- / 0.254	- / 0.251	- / -	- / 0.251	- / 0.251	- / 0.251	- / 0.251	- / 0.251	- / -	- / 4.376
Subtotal: Cyber Security VSE - Afloat (DA070)	- / -	12 / 2.867	1 / 0.254	1 / 0.251	- / -	1 / 0.251	1 / 0.251	1 / 0.251	1 / 0.251	1 / 0.251	- / -	18 / 4.376
Subtotal: Procurement, All Modification Items	- / 0.000	- / 2.867	- / 0.254	- / 0.251	- / -	- / 0.251	- / 0.251	- / 0.251	- / 0.251	- / 0.251	- / -	- / 4.376
Installation												
Modification Item 1 of 1: Cyber Security VSE - Afloat (DA070)	- / 0.000	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.153
Subtotal: Installation	- / 0.000	- / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.153
Total												
Total Cost (Procurement + Support + Installation)	0.000	3.020	0.254	0.251	-	0.251	0.251	0.251	0.251	0.251	-	4.529

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15										P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)										Modification Number / Title: 3 / Cyber Security VSE - Afloat (DA070)											
Modification Item 1 of 1: Cyber Security VSE - Afloat (DA070)																															
Modification Item MDAP/MAIS Code:																															
Manufacturer Information																															
Manufacturer Name: ASP - Georgia Tech Research Institute (GTRI)													Manufacturer Location: >Atlanta, GA																		
Administrative Leadtime (in Months): 5													Production Leadtime (in Months): 1																		
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates		Mar 2013																													
Delivery Dates		Apr 2013																													
Manufacturer Name: FAK - Georgia Tech Research													Manufacturer Location: >Atlanta, GA																		
Administrative Leadtime (in Months): 5													Production Leadtime (in Months): 1																		
Dates		FY 2013			FY 2014			FY 2015			FY 2016			FY 2017			FY 2018			FY 2019											
Contract Dates		Mar 2013			Mar 2014			Mar 2015																							
Delivery Dates		Apr 2013			Apr 2014			Apr 2015																							
Installation Information																															
Method of Implementation: Installed : Installation Name: Cyber VSE Afloat - Application Service Points																															
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		- / -	2 / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.153																		
FY 2014		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2015		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2016		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2017		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2018		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
FY 2019		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
To Complete		- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -																		
Total		- / -	2 / 0.153	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.153																		
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 / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 3 / Cyber Security VSE - Afloat (DA070)
Modification Item 1 of 1: Cyber Security VSE - Afloat (DA070)		
Modification Item MDAP/MAIS Code:		
Installation Information		
Method of Implementation (Organic): Organic - Fly-Away-Kits (FAK)		Installation Quantity: 16

Footnotes:
(13) Fly Away Kits (FAK) installations are funded by the cognizant programs and services

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 4 / Cyber Security VSE - Ashore (DA070)			

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	4.620	0.846	0.325	-	0.325	0.358	0.340	0.328	0.339	Continuing	Continuing
Less PY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ <i>in Millions</i>)	0.000	4.620	0.846	0.325	-	0.325	0.358	0.340	0.328	0.339	Continuing	Continuing
Plus CY Advance Procurement (\$ <i>in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ <i>in Millions</i>)	0.000	4.620	0.846	0.325	-	0.325	0.358	0.340	0.328	0.339	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Cyber Security Virtual Secure Enclave (VSE) is the follow-on limited transition of capabilities from the Office of the Secretary of Defense (OSD)/ Pacific Command (PACOM) sponsored VSE Joint Capability Technology Demonstration (JCTD). The technology provides a virtual secure enclave within existing networks that create a two-way encrypted tunnel between locations. The procurement funds are to procure hardware nodes and accompanying software for shore Application Service Points (ASP), System Administration Nodes (SAN) and Client Nodes (CN) in order to provide an assured Command & Control (C2) capability for JTF-519 in the PACOM Area of Responsibility. This capability will be supported and maintained under Computer Network Defense (CND) specifically to support the Joint Task Force (JTF) - 519/ PACOM urgent operational need until such time as an enterprise solution is fielded.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 4 / Cyber Security VSE - Ashore (DA070)					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0303140N					
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: Cyber Security VSE - Ashore (DA070)													
B Kits													
Recurring													
1.1.1) Application Service Point (ASP) - NonOrganic	- / -	8 / 1.613	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.613	
1.1.2) System Administration Node (SAN) - NonOrganic	- / -	7 / 1.020	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 1.020	
1.1.3) Client Node (CN) - NonOrganic	- / -	2 / 0.546	2 / 0.546	1 / 0.247	- / -	1 / 0.247	1 / 0.273	1 / 0.253	1 / 0.249	1 / 0.258	Continuing	Continuing	
Subtotal: Recurring	- / 0.000	- / 3.179	- / 0.546	- / 0.247	- / -	- / 0.247	- / 0.273	- / 0.253	- / 0.249	- / 0.258	Continuing	Continuing	
Subtotal: Cyber Security VSE - Ashore (DA070)	- / -	17 / 3.179	2 / 0.546	1 / 0.247	- / -	1 / 0.247	1 / 0.273	1 / 0.253	1 / 0.249	1 / 0.258	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 0.000	- / 3.179	- / 0.546	- / 0.247	- / -	- / 0.247	- / 0.273	- / 0.253	- / 0.249	- / 0.258	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / -	- / 0.166	- / 0.144	- / 0.013	- / -	- / 0.013	- / 0.021	- / 0.023	- / 0.015	- / 0.017	Continuing	Continuing	
Subtotal: Support	- / 0.000	- / 0.166	- / 0.144	- / 0.013	- / -	- / 0.013	- / 0.021	- / 0.023	- / 0.015	- / 0.017	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Cyber Security VSE - Ashore (DA070)	- / 0.000	- / 1.275	- / 0.156	- / 0.065	- / -	- / 0.065	- / 0.064	- / 0.064	- / 0.064	- / 0.064	- / -	- / 1.752	
Subtotal: Installation	- / 0.000	- / 1.275	- / 0.156	- / 0.065	- / -	- / 0.065	- / 0.064	- / 0.064	- / 0.064	- / 0.064	- / -	- / 1.752	
Total													
Total Cost (Procurement + Support + Installation)	0.000	4.620	0.846	0.325	-	0.325	0.358	0.340	0.328	0.339	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014																						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15										P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)										Modification Number / Title: 4 / Cyber Security VSE - Ashore (DA070)												
Modification Item 1 of 1: Cyber Security VSE - Ashore (DA070)																																
Modification Item MDAP/MAIS Code:																																
Manufacturer Information																																
Manufacturer Name: Georgia Tech Research Institute (GTRI)															Manufacturer Location: >Atlanta, GA																	
Administrative Leadtime (in Months): 5															Production Leadtime (in Months): 1																	
Dates		FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019						
Contract Dates		Mar 2013				Mar 2014				Mar 2015																						
Delivery Dates		Apr 2013				Apr 2014				Apr 2015																						
Installation Information																																
Method of Implementation: Installed : Installation Name: Cyber VSE Ashore (B Kits)																																
Installation Cost		Prior Years		FY 2013		FY 2014		FY 2015 Base		FY 2015 OCO		FY 2015 Total		FY 2016		FY 2017		FY 2018		FY 2019		To Complete		Total								
		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)		Qty (Each) / Total Cost (\$ M)								
Prior Years		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
FY 2013		- / -		17 / 1.275		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		17 / 1.275						
FY 2014		- / -		- / -		2 / 0.156		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		2 / 0.156						
FY 2015		- / -		- / -		- / -		1 / 0.065		- / -		1 / 0.065		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.065						
FY 2016		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.064		- / -		- / -		- / -		- / -		- / -		1 / 0.064						
FY 2017		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.064		- / -		- / -		- / -		- / -		1 / 0.064						
FY 2018		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.064		- / -		- / -		- / -		1 / 0.064						
FY 2019		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		1 / 0.064		- / -		- / -		1 / 0.064						
To Complete		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -		- / -						
Total		- / -		17 / 1.275		2 / 0.156		1 / 0.065		- / -		1 / 0.065		1 / 0.064		1 / 0.064		1 / 0.064		1 / 0.064		1 / 0.064		- / -		24 / 1.752						
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	-	-	-	15	2	-	-	2	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-	24
Out	-	-	-	8	9	-	-	-	2	-	-	-	1	-	-	-	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	24

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)			

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>)	357.377	59.767	47.363	38.027	-	38.027	51.164	36.748	25.220	24.712	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	357.377	59.767	47.363	38.027	-	38.027	51.164	36.748	25.220	24.712	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	357.377	59.767	47.363	38.027	-	38.027	51.164	36.748	25.220	24.712	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procurements within the Crypto equipment line include various families of Communications Security (COMSEC), Transmission Security (TRANSEC), crypto data and crypto voice products.

Crypto Data products include KIV-7M (device used for COMSEC crypto serial replacement which is the replacement for the WALBURN family, the SAVILLE family, KW-46, and KL-51 crypto devices), Enhanced Firefly (EFF), Cryptographic Universal Enclosures (CUE), Identification Friend or Foe (IFF) devices, In-Line Network Encryptors (INE) (to include KG-175A, KG-175D, KG-175G, KOV-26, KIV-54, KG-175X, KG-250, KG-250X), KG-45A, AN-PYQ-20(v)(c) formerly KL-51M (laptop, suitcase and components), KGV-135A, KOK-23, KG 40AR, and KO2 enclosure replacement (HNF 2/3). Associated ancillary equipment, rack mount enclosures and parts are also included.

Crypto Voice products include Tactical Secure Gateway (TSG), voice system cryptographic equipment, VINSON/Advanced Narrowband Digital Voice Terminal Cryptographic Modernization (VACM), AN/USC 43 (v)M, KY-57, KY-58, KY-99, KY-100, Next Generation Internet Protocol Phones (Next Generation IP Phones/Call Manager), and Navy certificate validation infrastructure cards-13.

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Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)					Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N						
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: Navy Cryptography (Crypto) - Afloat (DA071)													
B Kits													
Recurring													
1.1.1) KG 45A - Organic ⁽¹⁴⁾	178 / 1.894	90 / 1.002	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	268 / 2.896	
1.1.2) In-Line Network Encryptors (INE) - Organic ⁽¹⁵⁾	119 / 1.679	3,188 / 43.440	1,566 / 22.458	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4,873 / 67.577	
1.1.3) COMSEC Serial Crypto Replacement - Organic ⁽¹⁶⁾	- / -	- / -	725 / 7.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	725 / 7.250	
1.1.4) Enhanced Fire Fly (EFF) Modernization - Organic	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.060	- / -	389 / 3.890	300 / 3.000	Continuing	Continuing	
1.1.5) Crypto (PY) - NonOrganic	97 / 243.517	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	97 / 243.517	
1.1.6) KW-46 - NonOrganic ⁽¹⁷⁾	2 / 0.118	10 / 0.295	24 / 0.707	66 / 1.947	- / -	66 / 1.947	58 / 1.712	74 / 2.184	1 / 0.030	- / -	- / -	235 / 6.993	
1.1.7) VINSON/Advanced Narrowband Digital Voice Terminal CM (VACM) - NonOrganic ⁽¹⁸⁾	- / -	- / -	- / -	57 / 16.245	- / -	57 / 16.245	74 / 21.830	29 / 7.888	127 / 6.493	159 / 7.992	Continuing	Continuing	
1.1.8) COMSEC Serial Crypto Replacement (Phase I) - NonOrganic ⁽¹⁹⁾	179 / 22.880	75 / 0.712	18 / 0.175	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	272 / 23.767	
1.1.9) COMSEC Serial Crypto Replacement (Phase II) - NonOrganic ⁽²⁰⁾	- / -	- / -	21 / 0.379	44 / 0.770	- / -	44 / 0.770	44 / 0.825	17 / 0.340	2 / 0.040	- / -	- / -	128 / 2.354	
1.1.10) AN-PYQ-20(v)(c) - NonOrganic	48 / 0.377	- / -	1 / 0.016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	49 / 0.393	
1.1.11) Cryptographic Universal Enclosures (CUE) CSRR - NonOrganic	10 / 5.588	9 / 1.030	13 / 1.480	7 / 0.797	- / -	7 / 0.797	10 / 1.144	9 / 1.035	- / -	- / -	- / -	58 / 11.074	
1.1.12) EFF Modernization - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	32 / 0.432	62 / 0.854	Continuing	Continuing	
Subtotal: Recurring	- / 276.053	- / 46.479	- / 32.465	- / 19.759	- / -	- / 19.759	- / 25.571	- / 11.447	- / 10.885	- / 11.846	Continuing	Continuing	
Subtotal: Navy Cryptography (Crypto) - Afloat (DA071)	633 / 276.053	3,372 / 46.479	2,368 / 32.465	174 / 19.759	- / -	174 / 19.759	192 / 25.571	129 / 11.447	551 / 10.885	521 / 11.846	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 276.053	- / 46.479	- / 32.465	- / 19.759	- / -	- / 19.759	- / 25.571	- / 11.447	- / 10.885	- / 11.846	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 20.530	- / 1.647	- / 1.153	- / 0.687	- / -	- / 0.687	- / 0.874	- / 0.402	- / 0.381	- / 0.417	Continuing	Continuing	
2.2) DSA	- / 11.184	- / 3.087	- / 5.280	- / 7.118	- / -	- / 7.118	- / 8.776	- / 7.880	- / 4.247	- / 5.209	Continuing	Continuing	
Subtotal: Support	- / 31.714	- / 4.734	- / 6.433	- / 7.805	- / -	- / 7.805	- / 9.650	- / 8.282	- / 4.628	- / 5.626	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Navy Cryptography (Crypto) - Afloat (DA071)	- / 49.610	- / 8.554	- / 8.465	- / 10.463	- / -	- / 10.463	- / 15.943	- / 17.019	- / 9.707	- / 7.240	Continuing	Continuing	
Subtotal: Installation	- / 49.610	- / 8.554	- / 8.465	- / 10.463	- / -	- / 10.463	- / 15.943	- / 17.019	- / 9.707	- / 7.240	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy										Date: March 2014			
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)						Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)			
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N					
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>	
Total													
Total Cost (Procurement + Support + Installation)	357.377	59.767	47.363	38.027	-	38.027	51.164	36.748	25.220	24.712	Continuing	Continuing	

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15			P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)			Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)	
Modification Item 1 of 1: Navy Cryptography (Crypto) - Afloat (DA071)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: KW-46 - Safenet				Manufacturer Location: >Columbia, Maryland			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013	Feb 2014	Feb 2015				
Delivery Dates	Jan 2014	Sep 2014	Sep 2015				
Manufacturer Name: KG-45A - Crestwood Technology Group				Manufacturer Location: >Yonkers, New York			
Administrative Leadtime (<i>in Months</i>): 8				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jun 2013						
Delivery Dates	Jan 2014						
Manufacturer Name: COMSEC (Phase I) - Safenet				Manufacturer Location: >Columbia, Maryland			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Feb 2013	Feb 2014					
Delivery Dates	Sep 2013	Sep 2014					
Manufacturer Name: COMSEC (Phase II) - Raytheon				Manufacturer Location: >Waltham, Massachusetts			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014	Feb 2015				
Delivery Dates		Sep 2014	Sep 2015				
Manufacturer Name: VACM - Raytheon ⁽²¹⁾				Manufacturer Location: >Fort Wayne, Indiana			
Administrative Leadtime (<i>in Months</i>): 7				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates			May 2015				
Delivery Dates			Dec 2015				
Manufacturer Name: CSRR - CUE - SPAWAR Systems Center Pacific ⁽²²⁾				Manufacturer Location: >San Diego, CA			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)					
Modification Item 1 of 1: Navy Cryptography (Crypto) - Afloat (DA071)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Feb 2013	Feb 2014	Feb 2015										
Delivery Dates	Sep 2013	Sep 2014	Sep 2015										
Manufacturer Name: AN PYQ-20(V)(C) - Crestwood Technology Group							Manufacturer Location: >Yonkers, New York						
Administrative Leadtime (in Months): 4							Production Leadtime (in Months): 7						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates		Feb 2014											
Delivery Dates		Sep 2014											
Manufacturer Name: In-Line Network Encryptors (INE) - NSA							Manufacturer Location: >Fort Meade, Maryland						
Administrative Leadtime (in Months): 3							Production Leadtime (in Months): 7						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Jun 2013	Jan 2014											
Delivery Dates	Jan 2014	Aug 2014											
Installation Information													
Method of Implementation: Installed : Installation Name: Communications Security (COMSEC / CRYPTO) - Afloat													
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	282 / 49.610	54 / 5.678	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	336 / 55.288	
FY 2013	- / -	36 / 2.876	58 / 6.753	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	94 / 9.629	
FY 2014	- / -	- / -	16 / 1.712	61 / 8.656	- / -	61 / 8.656	- / -	- / -	- / -	- / -	- / -	77 / 10.368	
FY 2015	- / -	- / -	- / -	18 / 1.807	- / -	18 / 1.807	156 / 13.341	- / -	- / -	- / -	- / -	174 / 15.148	
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	24 / 2.602	162 / 14.240	- / -	- / -	- / -	186 / 16.842	
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	25 / 2.779	104 / 9.707	- / -	- / -	129 / 12.486	
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	162 / 7.240	Continuing	Continuing	
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing	
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	
Total	282 / 49.610	90 / 8.554	74 / 8.465	79 / 10.463	- / -	79 / 10.463	180 / 15.943	187 / 17.019	104 / 9.707	162 / 7.240	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy																									Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15										P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)										Modification Number / Title: 5 / Navy Cryptography (Crypto) - Afloat (DA071)											
Modification Item 1 of 1: Navy Cryptography (Crypto) - Afloat (DA071)																															
Modification Item MDAP/MAIS Code:																															
Installation Information																															
Method of Implementation: Installed : Installation Name: Communications Security (COMSEC / CRYPTO) - Afloat																															
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	282	-	19	14	21	36	19	21	18	16	15	21	25	18	54	45	39	42	65	49	36	37	34	30	37	3	121	36	4	222	1,379
Out	282	-	17	12	19	35	22	18	21	16	18	17	26	19	54	40	45	43	60	48	39	40	34	28	38	5	121	36	4	222	1,379
Method of Implementation (Organic): Organic - KG 45A																				Installation Quantity: 268											
Method of Implementation (Organic): Organic - In-Line Network Encryptors (INE)																				Installation Quantity: 4873											
Method of Implementation (Organic): Organic - COMSEC Serial Crypto Replacement																				Installation Quantity: 725											
Method of Implementation (Organic): Organic - Enhanced Fire Fly (EFF) Modernization																				Installation Quantity: 695											
Footnotes: ⁽¹⁴⁾ Installations are funded by the cognizant programs and services for procure only (organic) hardware. ⁽¹⁵⁾ Navy Cryptography (Crypto) procurement quantities represent units, devices and/or install suites (system of systems). Unit costs vary per platform based on crypto configuration quantity requirements. Depending on the device and quantity procured, unit cost will fluctuate widely. ⁽¹⁶⁾ COMSEC Serial Crypto Replacement (Organic) are procurements of KIV-7M units (procure only). ⁽¹⁷⁾ KW-46 increase in unit cost supports change in requirement to support surface Fleet Broadcast. ⁽¹⁸⁾ VACM Milestone C (MS C) shifted from 4QFY13 to 2QFY14, due to change in Air Force schedule. Low Rate Initial Production (LRIP) procurements shifted from FY13 to FY14 accordingly. VACM unit cost decreases in FY18 due to the difference in crypto configuration for United States Coast Guard (USCG) and Marine compared to Navy configuration. ⁽¹⁹⁾ COMSEC Serial Crypto Replacement (Phase I) are procurements of KIV-7M and ancillary equipment for installation of Top Secret (TS) circuit requirements. ⁽²⁰⁾ COMSEC Serial Crypto Replacement (Phase II) are procurements of KIV-7M and ancillary equipment for installation of Secret (S) circuit requirements. ⁽²¹⁾ VACM FRPD in Q2FY15 and contract award to follow ⁽²²⁾ First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.																															

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 6 / Navy Cryptography (Crypto) - Ashore (DA071)			

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>)	599.706	16.213	26.689	13.193	-	13.193	24.273	5.371	24.700	27.582	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	599.706	16.213	26.689	13.193	-	13.193	24.273	5.371	24.700	27.582	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	599.706	16.213	26.689	13.193	-	13.193	24.273	5.371	24.700	27.582	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Procurements within the Crypto equipment line include various families of Communications Security (COMSEC), Transmission Security (TRANSEC), crypto data and crypto voice products.

Crypto Data products include KIV-7M (device used for COMSEC Crypto Serial Replacement which is the replacement for the WALBURN family, the SAVILLE family, KW-46, and KL-51 crypto devices), Enhanced Firefly (EFF), Cryptographic Universal Enclosures (CUE), Identification Friend or Foe (IFF) devices, In-Line Network Encryptors (INE) (to include KG-175A, KG-175D, KG-175G, KOV-26, KIV-54, KG-175X, KG-250, KG-250X), KG-45A, AN-PYQ-20(v)(c) formerly KL-51M (laptop, suitcase and components), KGV-135A, KOK-23, KG 40AR, and KO2 enclosure replacement (HNF 2/3). Associated ancillary equipment, rack mount enclosures and parts are also included.

Crypto Voice products include Tactical Secure Gateway (TSG), voice system cryptographic equipment, VINSON/Advanced Narrowband Digital Voice Terminal Cryptographic Modernization (VACM), AN/USC 43 (v)M, KY-57, KY-58, KY-99, KY-100, Next Generation Internet Protocol Phones (Next Generation IP Phones/Call Manager), and Navy Certificate Validation Infrastructure Cards (CVIC)-13.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 6 / Navy Cryptography (Crypto) - Ashore (DA071)					
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]					Related RDT&E PEs: 0303140N					
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: Navy Cryptography (Crypto) - Ashore (DA071)													
B Kits													
Recurring													
1.1.1) Crypto (PY) - Organic	263 / 8.079	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	263 / 8.079	
1.1.2) In-Line Network Encryptors (INE) - Organic ⁽²³⁾	- / -	866 / 12.237	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	866 / 12.237	
1.1.3) VINSON/Advanced Narrowband Digital Voice Terminal CM (VACM) - Organic ⁽²⁴⁾	- / -	- / -	2,212 / 24.328	957 / 6.779	- / -	957 / 6.779	2,169 / 15.365	8 / 0.057	574 / 4.066	2,604 / 18.447	Continuing	Continuing	
1.1.4) Enhanced Fire Fly (EFF) Modernization - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	227 / 2.270	Continuing	Continuing	
1.1.5) Crypto (PY) (Installed) - NonOrganic	295 / 313.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 313.040	
1.1.6) KW-46 - NonOrganic	- / -	4 / 0.132	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.132	
1.1.7) COMSEC Serial Crypto Replacement (Phase II) - NonOrganic ⁽²⁵⁾	- / -	- / -	17 / 0.177	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.177	
1.1.8) VACM (Installed) - NonOrganic ⁽²⁶⁾	- / -	- / -	- / -	22 / 5.412	- / -	22 / 5.412	31 / 7.626	14 / 3.444	62 / 15.252	- / -	- / -	129 / 31.734	
1.1.9) Tactical Secure Gateway (TSG) - NonOrganic	- / -	4 / 0.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.800	
1.1.10) EFF Modernization (Installed) - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	- / -	20 / 0.200	40 / 0.400	- / -	- / -	60 / 0.600	
Subtotal: Recurring	- / 321.119	- / 13.169	- / 24.505	- / 12.191	- / -	- / 12.191	- / 22.991	- / 3.701	- / 19.718	- / 20.717	Continuing	Continuing	
Subtotal: Navy Cryptography (Crypto) - Ashore (DA071)	558 / 321.119	874 / 13.169	2,229 / 24.505	979 / 12.191	- / -	979 / 12.191	2,200 / 22.991	42 / 3.701	676 / 19.718	2,831 / 20.717	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 321.119	- / 13.169	- / 24.505	- / 12.191	- / -	- / 12.191	- / 22.991	- / 3.701	- / 19.718	- / 20.717	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 4.460	- / 0.472	- / 0.864	- / 0.432	- / -	- / 0.432	- / 0.814	- / 0.128	- / 0.693	- / 0.728	Continuing	Continuing	
2.2) Pre-Design Install Planning	- / 4.733	- / 1.069	- / 0.280	- / -	- / -	- / -	- / -	- / 0.811	- / 1.651	- / -	Continuing	Continuing	
Subtotal: Support	- / 9.193	- / 1.541	- / 1.144	- / 0.432	- / -	- / 0.432	- / 0.814	- / 0.939	- / 2.344	- / 0.728	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Navy Cryptography (Crypto) - Ashore (DA071)	- / 269.394	- / 1.503	- / 1.040	- / 0.570	- / -	- / 0.570	- / 0.468	- / 0.731	- / 2.638	- / 6.137	- / -	- / 282.481	
Subtotal: Installation	- / 269.394	- / 1.503	- / 1.040	- / 0.570	- / -	- / 0.570	- / 0.468	- / 0.731	- / 2.638	- / 6.137	- / -	- / 282.481	
Total													
Total Cost (Procurement + Support + Installation)	599.706	16.213	26.689	13.193	-	13.193	24.273	5.371	24.700	27.582	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy					Date: March 2014		
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15			P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)			Modification Number / Title: 6 / Navy Cryptography (Crypto) - Ashore (DA071)	
Modification Item 1 of 1: Navy Cryptography (Crypto) - Ashore (DA071)							
Modification Item MDAP/MAIS Code:							
Manufacturer Information							
Manufacturer Name: KW-46 - Safenet				Manufacturer Location: >Columbia, Maryland			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Feb 2013						
Delivery Dates	Sep 2013						
Manufacturer Name: VACM - Raytheon ⁽²⁷⁾				Manufacturer Location: >Fort Wayne, Indiana			
Administrative Leadtime (<i>in Months</i>): 7				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		May 2014	May 2015				
Delivery Dates		Dec 2014	Dec 2015				
Manufacturer Name: TSG - SPAWAR Systems Center Atlantic				Manufacturer Location: >St. Juliens Creek, Virginia			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Feb 2013						
Delivery Dates	Sep 2013						
Manufacturer Name: COMSEC Phase II - Raytheon				Manufacturer Location: >Waltham, MA			
Administrative Leadtime (<i>in Months</i>): 4				Production Leadtime (<i>in Months</i>): 6			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates		Feb 2014					
Delivery Dates		Aug 2014					
Manufacturer Name: INE - NSA				Manufacturer Location: >Fort Meade, MD			
Administrative Leadtime (<i>in Months</i>): 3				Production Leadtime (<i>in Months</i>): 7			
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Jan 2013						
Delivery Dates	Aug 2013						

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 6 / Navy Cryptography (Crypto) - Ashore (DA071)

Modification Item 1 of 1: Navy Cryptography (Crypto) - Ashore (DA071)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Communications Security (COMSEC / CRYPTO) - Shore

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	260 / 269.394	35 / 1.503	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 270.897
FY 2013	- / -	- / -	8 / 1.040	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.040
FY 2014	- / -	- / -	- / -	17 / 0.570	- / -	17 / 0.570	- / -	- / -	- / -	- / -	- / -	17 / 0.570
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	22 / 0.468	- / -	- / -	- / -	- / -	22 / 0.468
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	31 / 0.731	- / -	- / -	- / -	31 / 0.731
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	34 / 2.638	- / -	- / -	34 / 2.638
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	102 / 6.137	- / -	102 / 6.137
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	260 / 269.394	35 / 1.503	8 / 1.040	17 / 0.570	- / -	17 / 0.570	22 / 0.468	31 / 0.731	34 / 2.638	102 / 6.137	- / -	509 / 282.481

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	260	-	20	-	15	-	4	4	-	-	7	-	10	-	22	-	-	13	17	1	-	14	-	20	-	-	-	40	62	-	509
Out	260	-	20	-	15	-	4	4	-	-	7	-	10	-	22	-	-	13	17	1	-	14	-	20	-	-	-	40	62	-	509

Method of Implementation (Organic): Organic - Crypto (PY)	Installation Quantity: 263
Method of Implementation (Organic): Organic - In-Line Network Encryptors (INE)	Installation Quantity: 866
Method of Implementation (Organic): Organic - VINSON/Advanced Narrowband Digital Voice Terminal CM (VACM)	Installation Quantity: 8524
Method of Implementation (Organic): Organic - Enhanced Fire Fly (EFF) Modernization	Installation Quantity: 227

Footnotes:

(23) Installations are funded by the cognizant programs and services for procure only hardware.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 6 / Navy Cryptography (Crypto) - Ashore (DA071)

⁽²⁴⁾ VACM procurement only (organic) quantities represent devices. FY14 procurements represent Low Rate Initial Production (LRIP) procurement. FY15 procurements represent Full Rate Production (FRP) procurements. LRIP unit costs are higher than FRP unit costs due to estimated contract cost.

⁽²⁵⁾ COMSEC Serial Crypto Replacement (Phase II) - procurements of KIV-7M and ancillary equipment for installation of Secret (S) circuit requirements.

⁽²⁶⁾ VACM procurement quantities represent units, devices and/or install kits based on configuration quantity requirements.

⁽²⁷⁾ VACM FRPD in Q2FY15 and FRP contract award to follow

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 7 / Key Management (KM) - Afloat (DA005)

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>)	33.878	6.592	14.733	13.414	-	13.414	10.613	10.385	5.872	6.379	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	33.878	6.592	14.733	13.414	-	13.414	10.613	10.385	5.872	6.379	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	33.878	6.592	14.733	13.414	-	13.414	10.613	10.385	5.872	6.379	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 Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Description: Key Management is a collection of Tier 2 equipment (Local Management Device (LMD)/Key Processor (KP)) and Tier 3 equipment (Simple Key Loader (SKL), Tactical Key Loader (TKL), Next Generation fill devices and Communications Security (COMSEC) Manager Work Station (CMWS)). The next generation Key Management Tier 2 product to replace the legacy LMD/KP Electronic Key Management System (EKMS) is Key Management Infrastructure (KMI). KMI includes the Management Client (MGC), Advanced Key Processor (AKP), High Assurance Internet Protocol Equipment (HAIZE) devices, and Delivery Only Client (DOC).

KMI is the next generation key management system that provides for net-centric, web based architecture for the ordering, management and distribution of all cryptographic key material to support DoN users. KMI is a National Security Agency (NSA) program with the services procuring and deploying the Manager Client / AKP, MGC, HAIZE or DOC to replace the EKMS Local Management Device (LMD) / KP platforms.

The Next Gen Fill device will replace SKL which stores, manages, transfers and loads cryptographic key material and COMSEC data through automatic loading of End Cryptographic Units (ECU). Specifically, the SKL and its predecessor Data Transfer Device (DTD) provides the next generation DTD, which is based on a Personal Computer Memory Card International Association card (crypto engine) and Commercial-off-the-Shelf (COTS) notebook / palmtop computer running Government-off-the-Shelf (GOTS) software. Data Management Devices provide intermediate key management to incorporate Mission Planning capabilities to the key packages.

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy									Date: March 2014				
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)					Modification Number / Title: 7 / Key Management (KM) - Afloat (DA005)				
Models of Systems Affected: [No Model Specified]			Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N						
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: Key Management (KM) - Afloat (DA005)													
B Kits													
Recurring													
1.1.1) Key Management (KM) (PY) - Organic		475 / 2.617	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	475 / 2.617	
1.1.2) Simple Key Loader (SKL) - Organic		2,966 / 23.593	1,312 / 4.526	2,979 / 10.313	1,720 / 5.979	- / -	1,720 / 5.979	- / -	- / -	- / -	- / -	8,977 / 44.411	
1.1.3) Next Generation Fill Device - Organic ⁽²⁸⁾		- / -	- / -	- / -	- / -	- / -	360 / 1.256	1,789 / 6.297	1,546 / 5.462	1,744 / 6.162	Continuing	Continuing	
1.1.4) KMI Suite (MGC/AKP/HAPE) - Organic		57 / 0.619	60 / 1.572	50 / 1.320	- / -	- / -	- / -	- / -	- / -	- / -	- / -	167 / 3.511	
1.1.5) KM (PY) (Installed) - NonOrganic		295 / 0.295	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 0.295	
1.1.6) KMI Spiral 2 - NonOrganic ⁽²⁹⁾		- / -	3 / 0.079	26 / 0.687	52 / 1.384	- / -	52 / 1.384	56 / 1.501	8 / 0.215	- / -	- / -	145 / 3.866	
1.1.7) KMI Delivery Only Client (DOC) - NonOrganic		- / -	- / -	- / -	40 / 0.482	- / -	40 / 0.482	40 / 0.483	12 / 0.145	1 / 0.012	- / -	93 / 1.122	
Subtotal: Recurring		- / 27.124	- / 6.177	- / 12.320	- / 7.845	- / -	- / 7.845	- / 3.240	- / 6.657	- / 5.474	- / 6.162	Continuing	Continuing
Subtotal: Key Management (KM) - Afloat (DA005)		3,793 / 27.124	1,375 / 6.177	3,055 / 12.320	1,812 / 7.845	- / -	1,812 / 7.845	456 / 3.240	1,809 / 6.657	1,547 / 5.474	1,744 / 6.162	Continuing	Continuing
Subtotal: Procurement, All Modification Items		- / 27.124	- / 6.177	- / 12.320	- / 7.845	- / -	- / 7.845	- / 3.240	- / 6.657	- / 5.474	- / 6.162	Continuing	Continuing
Support (All Modification Items)													
2.1) Production Support		- / 1.824	- / 0.224	- / 0.339	- / 0.269	- / -	- / 0.269	- / 0.108	- / 0.195	- / 0.186	- / 0.217	Continuing	Continuing
2.2) DSA		- / 2.462	- / 0.150	- / 1.988	- / 3.319	- / -	- / 3.319	- / 2.570	- / 0.705	- / 0.038	- / -	- / -	- / 11.232
Subtotal: Support		- / 4.286	- / 0.374	- / 2.327	- / 3.588	- / -	- / 3.588	- / 2.678	- / 0.900	- / 0.224	- / 0.217	Continuing	Continuing
Installation													
Modification Item 1 of 1: Key Management (KM) - Afloat (DA005)		- / 2.468	- / 0.041	- / 0.086	- / 1.981	- / -	- / 1.981	- / 4.695	- / 2.828	- / 0.174	- / -	- / -	- / 12.273
Subtotal: Installation		- / 2.468	- / 0.041	- / 0.086	- / 1.981	- / -	- / 1.981	- / 4.695	- / 2.828	- / 0.174	- / -	- / -	- / 12.273
Total													
Total Cost (Procurement + Support + Installation)		33.878	6.592	14.733	13.414	-	13.414	10.613	10.385	5.872	6.379	Continuing	Continuing

UNCLASSIFIED

Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014						
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 7 / Key Management (KM) - Afloat (DA005)					
Modification Item 1 of 1: Key Management (KM) - Afloat (DA005)													
Modification Item MDAP/MAIS Code:													
Manufacturer Information													
Manufacturer Name: Simple Key Loader (SKL) - Army Managed							Manufacturer Location: >Fort Huachuca, AZ						
Administrative Leadtime (<i>in Months</i>): 4							Production Leadtime (<i>in Months</i>): 2						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Feb 2013	Feb 2014	Feb 2015										
Delivery Dates	Apr 2013	Apr 2014	Apr 2015										
Manufacturer Name: KMI Spiral 2 - NSA Managed							Manufacturer Location: >Fort Meade, MD						
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Mar 2013	Mar 2014	Mar 2015										
Delivery Dates	Jul 2013	Jul 2014	Jul 2015										
Manufacturer Name: KMI DOC - NSA Managed ⁽³⁰⁾							Manufacturer Location: >TBD						
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates			Mar 2015										
Delivery Dates			Jul 2015										
Manufacturer Name: KMI Suite - NSA Managed							Manufacturer Location: >Fort Meade, Md						
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4						
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019						
Contract Dates	Mar 2013	Mar 2014											
Delivery Dates	Jul 2013	Jul 2014											
Installation Information													
Method of Implementation: Installed : Installation Name: Key Management Infrastructure (KMI) - Afloat													
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	295 / 2.468	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	295 / 2.468
FY 2013	- / -	2 / 0.041	1 / 0.043	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.084
FY 2014	- / -	- / -	2 / 0.043	24 / 0.946	- / -	24 / 0.946	- / -	- / -	- / -	- / -	- / -	- / -	26 / 0.989

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 7 / Key Management (KM) - Afloat (DA005)

Modification Item 1 of 1: Key Management (KM) - Afloat (DA005)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installed : Installation Name: Key Management Infrastructure (KMI) - Afloat

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 2015	- / -	- / -	- / -	24 / 1.035	- / -	24 / 1.035	68 / 2.843	- / -	- / -	- / -	- / -	92 / 3.878
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	47 / 1.852	49 / 2.130	- / -	- / -	- / -	96 / 3.982
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 0.698	3 / 0.130	- / -	- / -	20 / 0.828
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.044	- / -	- / -	1 / 0.044
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	295 / 2.468	2 / 0.041	3 / 0.086	48 / 1.981	- / -	48 / 1.981	115 / 4.695	66 / 2.828	4 / 0.174	- / -	- / -	533 / 12.273

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	295	-	-	-	2	-	-	1	-	2	8	11	16	13	41	24	24	26	32	14	11	9	2	1	-	1	-	-	-	-	533
Out	295	-	-	-	2	-	-	1	-	2	8	9	16	15	40	21	25	29	29	14	14	9	2	-	1	1	-	-	-	-	533

Method of Implementation (Organic): Not Installed - Key Management (KM) (PY)	Installation Quantity: 475
Method of Implementation (Organic): Not Installed - Simple Key Loader (SKL)	Installation Quantity: 8977
Method of Implementation (Organic): Not Installed - Next Generation Fill Device	Installation Quantity: 5439
Method of Implementation (Organic): Not Installed - KMI Suite (MGC/AKP/HAPE)	Installation Quantity: 167

Footnotes:

⁽²⁸⁾ Next Gen Fill devices will support Crypto Mod initiatives for KMI awareness and will replace SKLs starting in FY16.

⁽²⁹⁾ KMI 2 procurement cost was adjusted to align with the NSA KMI full rate production contract. First quarter installations reflected in the Installation Schedule are funded in the prior year in order to be able to fund the installation contracts 90 days prior to the beginning of shipboard installation work. 90 days are needed to allow sufficient time for the contractor to plan the work schedule, order material, and perform necessary fabrication. This procedure allows installations to be scheduled in the first quarter thereby supporting Fleet availability.

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 7 / Key Management (KM) - Afloat (DA005)

⁽³⁰⁾ KMI Delivery Only Client (DOC) Performer is TBD - Pending contract award

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 8 / Key Management (KM) - Ashore (DA005)

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>)	51.776	9.366	20.429	20.303	-	20.303	13.731	4.801	5.062	5.013	Continuing	Continuing
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	51.776	9.366	20.429	20.303	-	20.303	13.731	4.801	5.062	5.013	Continuing	Continuing
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	51.776	9.366	20.429	20.303	-	20.303	13.731	4.801	5.062	5.013	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>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Key Management is a collection of Tier 2 equipment (Local Management Device (LMD)/Key Processor (KP)) and Tier 3 equipment (Simple Key Loader (SKL), Tactical Key Loader (TKL), Next Generation fill devices and Communications Security (COMSEC) Manager Work Station (CMWS)). The next generation Key Management Tier 2 product to replace the legacy LMD/KP Electronic Key Management System (EKMS) is Key Management Infrastructure (KMI). KMI includes the Management Client (MGC), Advanced Key Processor (AKP), High Assurance Internet Protocol Equipment (HAIZE) devices, and Delivery Only Client (DOC).

KMI is the next generation key management system that provides for net-centric, web based architecture for the ordering, management and distribution of all cryptographic key material to support DoN users. KMI is a National Security Agency (NSA) program with the services procuring and deploying the Manager Client / AKP, MGC, HAIZE or DOC to replace the EKMS Local Management Device (LMD) / KP platforms.

The Next Gen Fill device will replace SKL which stores, manages, transfers and loads cryptographic key material and COMSEC data through automatic loading of End Cryptographic Units (ECU). Specifically, the SKL and its predecessor Data Transfer Device (DTD) provides the next generation DTD, which is based on a Personal Computer Memory Card International Association card (crypto engine) and Commercial-off-the-Shelf (COTS) notebook / palmtop computer running Government-off-the-Shelf (GOTS) software. Data Management Devices provide intermediate key management to incorporate Mission Planning capabilities to the key packages.

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Exhibit P-3a, Individual Modification: PB 2015 Navy								Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 8 / Key Management (KM) - Ashore (DA005)					
Models of Systems Affected: [No Model Specified]				Modification Type: [No Modification Type Specified]				Related RDT&E PEs: 0303140N					
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: Key Management (KM) - Ashore (DA005)													
B Kits													
Recurring													
1.1.1) Key Management (KM) (PY) - Organic	7,816 / 26.756	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7,816 / 26.756	
1.1.2) Simple Key Loader (SKL) - Organic	4,526 / 10.884	1,754 / 6.051	2,738 / 9.479	319 / 1.109	- / -	319 / 1.109	- / -	- / -	- / -	- / -	- / -	9,337 / 27.523	
1.1.3) Next Generation Fill Device - Organic ⁽³¹⁾	- / -	- / -	- / -	- / -	- / -	- / -	536 / 1.870	1,317 / 4.636	1,383 / 4.886	1,375 / 4.841	Continuing	Continuing	
1.1.4) KMI Suite (MGC/AKP/HAIPE) - Organic ⁽³²⁾	57 / 1.431	60 / 1.572	80 / 2.112	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	197 / 5.115	
1.1.5) KM (PY) (Installed) - NonOrganic	554 / 1.116	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	554 / 1.116	
1.1.6) KMI Spiral 1&2 - NonOrganic	- / -	13 / 0.341	146 / 3.854	342 / 9.097	- / -	342 / 9.097	53 / 1.420	- / -	- / -	- / -	- / -	554 / 14.712	
1.1.7) Engineering Change Orders - Organic	- / 1.716	- / 0.781	- / 0.768	- / 0.729	- / -	- / 0.729	- / 0.601	- / -	- / -	- / -	- / -	- / 4.595	
Subtotal: Recurring	- / 41.903	- / 8.745	- / 16.213	- / 10.935	- / -	- / 10.935	- / 3.891	- / 4.636	- / 4.886	- / 4.841	Continuing	Continuing	
Subtotal: Key Management (KM) - Ashore (DA005)	12,953 / 41.903	1,827 / 8.745	2,964 / 16.213	661 / 10.935	- / -	661 / 10.935	589 / 3.891	1,317 / 4.636	1,383 / 4.886	1,375 / 4.841	Continuing	Continuing	
Subtotal: Procurement, All Modification Items	- / 41.903	- / 8.745	- / 16.213	- / 10.935	- / -	- / 10.935	- / 3.891	- / 4.636	- / 4.886	- / 4.841	Continuing	Continuing	
Support (All Modification Items)													
2.1) Production Support	- / 2.373	- / 0.308	- / 0.566	- / 0.364	- / -	- / 0.364	- / 0.152	- / 0.165	- / 0.176	- / 0.172	Continuing	Continuing	
2.2) Pre-Design Install Planning	- / 0.767	- / 0.291	- / 3.105	- / 4.459	- / -	- / 4.459	- / -	- / -	- / -	- / -	- / -	- / 8.622	
Subtotal: Support	- / 3.140	- / 0.599	- / 3.671	- / 4.823	- / -	- / 4.823	- / 0.152	- / 0.165	- / 0.176	- / 0.172	Continuing	Continuing	
Installation													
Modification Item 1 of 1: Key Management (KM) - Ashore (DA005)	- / 6.733	- / 0.022	- / 0.545	- / 4.545	- / -	- / 4.545	- / 9.688	- / -	- / -	- / -	- / -	- / 21.533	
Subtotal: Installation	- / 6.733	- / 0.022	- / 0.545	- / 4.545	- / -	- / 4.545	- / 9.688	- / -	- / -	- / -	- / -	- / 21.533	
Total													
Total Cost (Procurement + Support + Installation)	51.776	9.366	20.429	20.303	-	20.303	13.731	4.801	5.062	5.013	Continuing	Continuing	

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Exhibit P-3a, Individual Modification: PB 2015 Navy							Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15				P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)				Modification Number / Title: 8 / Key Management (KM) - Ashore (DA005)				
Modification Item 1 of 1: Key Management (KM) - Ashore (DA005)												
Modification Item MDAP/MAIS Code:												
Manufacturer Information												
Manufacturer Name: Simple Key Loader (SKL) - Army Managed							Manufacturer Location: >Fort Huachuca, AZ					
Administrative Leadtime (<i>in Months</i>): 4							Production Leadtime (<i>in Months</i>): 2					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Feb 2013	Feb 2014	Feb 2015									
Delivery Dates	Apr 2013	Apr 2014	Apr 2015									
Manufacturer Name: KMI Spiral 1 - NSA Managed							Manufacturer Location: >Fort Meade, MD					
Administrative Leadtime (<i>in Months</i>): 6							Production Leadtime (<i>in Months</i>): 5					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Apr 2013	Apr 2014										
Delivery Dates	Sep 2013	Sep 2014										
Manufacturer Name: KMI Spiral 2 - NSA Managed							Manufacturer Location: >Fort Meade, MD					
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates		Mar 2014	Mar 2015									
Delivery Dates		Jul 2014	Jul 2015									
Manufacturer Name: KMI Suite - NSA Managed							Manufacturer Location: >Fort Meade, Md					
Administrative Leadtime (<i>in Months</i>): 5							Production Leadtime (<i>in Months</i>): 4					
Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019					
Contract Dates	Mar 2013	Mar 2014										
Delivery Dates	Jul 2013	Jul 2014										
Installation Information												
Method of Implementation: Installed : Installation Name: Key Management Infrastructure (KMI) - Shore												
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	551 / 6.733	3 / 0.022	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	554 / 6.755
FY 2013	- / -	- / -	13 / 0.545	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 0.545
FY 2014	- / -	- / -	- / -	146 / 2.974	- / -	146 / 2.974	- / -	- / -	- / -	- / -	- / -	146 / 2.974
FY 2015	- / -	- / -	- / -	56 / 1.571	- / -	56 / 1.571	286 / 7.406	- / -	- / -	- / -	- / -	342 / 8.977

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Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 15	P-1 Line Item Number / Title: 3415 / Info Systems Security Program (ISSP)	Modification Number / Title: 8 / Key Management (KM) - Ashore (DA005)

Modification Item 1 of 1: Key Management (KM) - Ashore (DA005)

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Installed : Installation Name: Key Management Infrastructure (KMI) - Shore

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 2016	- / -	- / -	- / -	- / -	- / -	- / -	53 / 2.282	- / -	- / -	- / -	- / -	53 / 2.282
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	551 / 6.733	3 / 0.022	13 / 0.545	202 / 4.545	- / -	202 / 4.545	339 / 9.688	- / -	- / -	- / -	- / -	1,108 / 21.533

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	551	-	3	-	-	-	13	-	-	-	31	115	56	109	44	133	53	-	-	-	-	-	-	-	-	-	-	-	-	-	1,108
Out	551	-	3	-	-	-	13	-	-	-	31	115	56	109	44	133	53	-	-	-	-	-	-	-	-	-	-	-	-	-	1,108

Method of Implementation (Organic): Not Installed - Key Management (KM) (PY)																		Installation Quantity: 7816									
Method of Implementation (Organic): Not Installed - Simple Key Loader (SKL)																		Installation Quantity: 9337									
Method of Implementation (Organic): Not Installed - Next Generation Fill Device																		Installation Quantity: 4611									
Method of Implementation (Organic): Not Installed - KMI Suite (MGC/AKP/HAIBE)																		Installation Quantity: 197									

Footnotes:

⁽³¹⁾ Next Gen Fill devices will support Crypto Mod initiatives for KMI awareness and will replace SKLs starting in FY16.

⁽³²⁾ KMI Spiral 1 and Spiral 2 procurement cost was adjusted to align with the NSA KMI full rate production contract.

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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 02: Communications & Electronics Equip / BSA 15: Cryptographic Equipment							P-1 Line Item Number / Title: 3417 / MIO Intel Exploitation Team					
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	-	1.000	0.979	-	0.979	0.980	0.981	0.982	1.002	-	5.924
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	0.000	-	1.000	0.979	-	0.979	0.980	0.981	0.982	1.002	-	5.924
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	0.000	-	1.000	0.979	-	0.979	0.980	0.981	0.982	1.002	-	5.924
<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>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
# The FY 2015 OCO Request will be submitted at a later date. Description: [P40A / 343SA - MIO Intel Exploitation Team (U.S. Fleet Forces Command)]: Tactical Electronic Warfare Equipment: Procure Tactical Electronic Warfare (EW) equipment to be used in support of Indications and Warning and Force Protection. The capability includes an array of Tactical EW systems capable of both digital and analogue collection in the Radio Frequency (RF) environment. Specific collection capabilities include Digital and Analogue data collection; Specific Emitter ID, which discerns unique attributes of specific radar; Satellite Communication capability; Wireless Networks to conduct surveys, which is a telecom network mapping, and Document and Media Exploitation allowing capture of media from electronic devices.												

Exhibits Schedule		ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits		Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
MIO Intel Exploitation Team	P-40a		-	-	0.000	-	-	-	-	-	1.000	-	-	0.979	-	-	-	-	-	0.979
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	1.000	-	-	0.979	-	-	-	-	-	0.979

*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:
FY15 funding required for the procurement of Wireless Networks Telcom Equipment and Specific Emitter Identification Devices in support of Indications and Warning and Force Protection.

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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 / 02 / 15									P-1 Line Item Number / Title: 3417 / MIO Intel Exploitation Team						Aggregated Items Title: MIO Intel Exploitation Team				

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 (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)	Unit Cost (\$ M)	Qty (Each)	Total Cost (\$ M)
1) 343SA - MIO Intel Exploitation Team (U.S. Fleet Forces Command)																				
1.1) 343SA - Satellite Communications Equipment	A		-	-	-	-	-	-	0.155	3	0.465	-	-	-	-	-	-	-	-	-
1.2) 343SA - Wireless Networks Mapping Equipment / Surveys	A		-	-	-	-	-	-	0.178	3	0.535	-	-	-	-	-	-	-	-	-
1.3) 343SA - Wireless Networks Telcom Equipment	A		-	-	-	-	-	-	-	-	-	0.151	3	0.454	-	-	-	0.151	3	0.454
1.4) 343SA - Specific Emitter Identification Devices	A		-	-	-	-	-	-	-	-	-	0.175	3	0.525	-	-	-	0.175	3	0.525
1.5) 343SA - Digital / Analogue Collection Devices	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 343SA - MIO Intel Exploitation Team (U.S. Fleet Forces Command)			-	-	0.000	-	-	-	-	-	1.000	-	-	0.979	-	-	-	-	-	0.979
Total			-	-	0.000	-	-	-	-	-	1.000	-	-	0.979	-	-	-	-	-	0.979

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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 02: Communications & Electronics Equip / BSA 16: Cryptologic Equipment							P-1 Line Item Number / Title: 3501 / Cryptologic Communications 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>)	28.839	11.772	12.251	11.502	-	11.502	11.693	11.925	12.170	12.453	-	112.605
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	28.839	11.772	12.251	11.502	-	11.502	11.693	11.925	12.170	12.453	-	112.605
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	28.839	11.772	12.251	11.502	-	11.502	11.693	11.925	12.170	12.453	-	112.605
<i>(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)</i>												
Initial Spares (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost (<i>\$ in Thousands</i>)	-	-	-	-	-	-	-	-	-	-	-	-
[#] The FY 2015 OCO Request will be submitted at a later date. Description: [P5 / 1V045 Access Systems & Subsystems]: Cryptologic Carry-On Equipment: The Cryptologic Carry-On Program (CCOP) procures state-of-the-art, commercial off-the-shelf signal acquisition equipment (hardware and software) in response to combatant commander requirements for a quick-reaction surface, subsurface, and airborne cryptologic carry-on capability. The equipment is procured according to the overall requirements detailed in the Shipboard Information Warfare/Cryptologic System Operational Requirements Document and specific execution year fleet requirements as defined by the Signals Of Interest (SOI) Integrated Product Team (IPT). The IPT meets several times a year and determines which SOIs/Targets on the United States Fleet Forces (USFF) SOI list need to be addressed. Due to a continually changing threat environment, detailed requirements are dynamic and equipment procured varies each year by quantity and type. Equipment suites can be configured for many targets and tasking. Target specific subsystems can either operate as stand-alone within cryptologic spaces or as an add-on to existing equipment. Hardware procurement includes: receivers, recorders, tactical computers and related peripherals, antennas, electronic-warfare support measures systems, precision geolocation equipment, advanced signal and search equipment including spectrum analyzers and associated portable special intelligence communications equipment. CCOP equipment is installed as an augment to cryptologic capabilities on subsurface, surface, and air platforms. There are approximately 115 cryptologic capable surface ships and shore sites in the current Navy inventory. Each of these are potential users of this carry-on equipment, as are subsurface and air platforms. The temporary installation of equipment is coordinated through fleet electronic support personnel; inventory allocation is managed by USFF. A primary system in inventory is the Advanced Cryptologic Carryon Exploitation System (ACCES). ACCES is undergoing a technology refresh and will be renamed CORSAIR. Funds continue to procure ACCES/CORSAIR core architecture system upgrades to provide additional affordable functionality to the combatant commands. Additional signal acquisition equipment to address specific combatant command requirements include such systems as Digital Receiver Technology (DRT), Hostile forces Integrated Targeting Service (HITS), Maritime Toxic Pen (MTP), TURBULENTWAVE/TURBULENTWIND/TURBULENTSAIL, BLUESTREAM servers, RED FALCON/VULCAN, STINGRAY, MUDCAT, Toxic Fog, Radio Frequency Distribution Unit (RFDU) and Generic Area Limitations Environment (GALE)-Lite. This line supports the procurement of STALLION hardware for CCOP team training. [P5 / Access Systems & Subsystems]: Quantity and unit cost of CCOP systems and subsystems vary because procurements are in response to current Combatant Command fleet requirements as well as the Signals of Interest (SOI) and target threat list which is updated twice a year. CCOP system and subsystem unit costs range from \$.050M to \$.900M, with the exception of Maritime Toxic Pen (MTP) which is priced at \$2.150M per system. The unit cost listed above represents the average price per system. [P5 / GDX6D - Global Signal Analysis Equipment]: Global Signal Analysis Laboratory (GSAL): The Navy GSAL program, under project name CLASSIC SENSEI, provides for the timely analysis of data derived from maritime mobile Information Warfare (IW) operations. GSAL support is conducted by Signals Analysis Laboratories (SAL) co-located with Fleet Information Operations Centers (FIOC) at theater-level analysis and processing centers and by QuickLook/Nodes forward-based at fleet concentration areas. The GSAL program office equips the SAL's with advanced signals analysis capabilities in order to accomplish the high order analysis that is required to effectively address SAL processing and exploitation requirements in support of both maritime tactical and national strategic IW objectives. Additionally, SAL's are equipped with specialized capabilities to support FIOC maritime Signal Descriptor File (SDF) requirements. Funding is required to maintain and sustain SAL operations while allowing for upgrades required to												

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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 02: Communications & Electronics Equip / BSA 16: Cryptologic Equipment												P-1 Line Item Number / Title: 3501 / Cryptologic Communications Equip									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
integrate new technology to accommodate the highly technical analysis requirements attendant with a highly diverse and constantly changing electromagnetic environment. Additionally, Navy SAL's are integral components of the global collaborative enterprise architecture via the GSAL LABLINK data handling subsystem. LABLINK provides for advanced data manipulation, achieving, and forwarding/exchange while providing connectivity and global reachback in support of analysis with collaborating military, national, and international partners via signal screening and processing tools resident in LABLINK. [P5 / GDX6D - System Integration and Installation of Hardware]: Fleet Information Operations Centers (FIOC): There are FIOCs co-located with National Security Agency (NSA) Cryptologic Centers supporting the geographical Satellite Communication Network (SATCOM). Each are charged with providing regionally focused Information Operation (IO) and Signal Intelligence (SIGINT) support to Fleet Commanders. FIOCs leverage NSA capabilities, analysis, and manpower in support of Fleet requirements. Funds are required for purchasing and maintaining life cycle support for command and control systems connected to SCI networks at the FIOCs. Funds are also provided to develop and maintain a common baseline of analytical intelligence software tools supporting FIOC capability areas as defined in the FIOC operational strategy (OPSTRAT). [P5 / GDX6D - Network Computing Environment (NCE)]: FIOC NCE provides a common, Distributed Common Ground System (DCGS) Integration Backbone (DIB)-compliant, Service Oriented Architecture framework for the hosting of network services at the FIOC's enabling Distributed Signals Intelligence/Information Operations (SIGINT/IO). NCE is the key enabler of SIGINT/IO future reachback and remoting operations from surface, airborne, and subsurface manned/unmanned platforms. Funds are required to procure, install, configure and accredit networking server framework (new or upgrade) for installation at FIOC Maryland, Texas, Hawaii, Georgia, United Kingdom and the Space and Warfare Systems Command San Diego test/integration lab.																					
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)	
Item - 1 / Cryptologic Communications Equip	P-5		-	-	28.839	-	-	11.772	-	-	12.251	-	-	11.502	-	-	-	-	-	11.502	
Total Gross/Weapon System Cost			-	-	28.839	-	-	11.772	-	-	12.251	-	-	11.502	-	-	-	-	-	11.502	
*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 will continue to satisfy signals exploitation capability gaps as determined by the CCOP Signals of Interest (SOI) Integrated Product Team (IPT). At this time the recommendations for procurements that are best suited to address identified gaps may include: Digital Receiver Technology (DRT), Hostile forces Integrated Targeting Service (HITS), Maritime Toxic Pen (MTP), TURBULENTWAVE/TURBULENTWIND/TURBULENTSAIL, BLUESTREAM servers, RED FALCON/VULCAN, CORSAIR, STINGRAY, MUDCAT, Toxic Fog, Radio Frequency Distribution Unit (RFDU) and Generic Area Limitations Environment (GALE)-Lite. This line supports the procurement of STALLION hardware for CCOP team training.																					

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Exhibit P-5, Cost Analysis: PB 2015 Navy													Date: March 2014								
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 16							P-1 Line Item Number / Title: 3501 / Cryptologic Communications Equip						Item Number / Title [DODIC]: 1 / Cryptologic Communications Equip								
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>					28.839			11.772			12.251			11.502			-			11.502	
Less PY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Net Procurement (P1) <i>(\$ in Millions)</i>					28.839			11.772			12.251			11.502			-			11.502	
Plus CY Advance Procurement <i>(\$ in Millions)</i>					-			-			-			-			-			-	
Total Obligation Authority <i>(\$ in Millions)</i>					28.839			11.772			12.251			11.502			-			11.502	
(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.																					
Cost Elements		ID CD	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)	
Hardware - 1V045 Access Systems & Subsystems Cost																					
Recurring Cost																					
1.1.1) Access Systems & Subsystems			263.241	83	21.849	234.816	38	8.923	237.140	43	10.197	234.610	41	9.619	-	-	-	234.610	41	9.619	
Subtotal: Recurring Cost			-	-	21.849	-	-	8.923	-	-	10.197	-	-	9.619	-	-	-	-	-	9.619	
Subtotal: Hardware - 1V045 Access Systems & Subsystems Cost			-	-	21.849	-	-	8.923	-	-	10.197	-	-	9.619	-	-	-	-	-	9.619	
Hardware - GDX6D - Global Signal Analysis Equipment Cost																					
Recurring Cost																					
2.1.1) Global Signal Analysis Laboratory (GSAL)			-	-	3.103	-	-	-	652.000	1	0.652	623.000	1	0.623	-	-	-	623.000	1	0.623	
Subtotal: Recurring Cost			-	-	3.103	-	-	-	-	-	0.652	-	-	0.623	-	-	-	-	-	0.623	
Subtotal: Hardware - GDX6D - Global Signal Analysis Equipment Cost			-	-	3.103	-	-	-	-	-	0.652	-	-	0.623	-	-	-	-	-	0.623	
Hardware - GDX6D - System Integration and Installation of Hardware Cost																					
Recurring Cost																					
3.1.1) System Integration & Installation of Hardware (FIOC)			544.000	2	1.088	267.000	1	0.267	275.000	1	0.275	250.000	1	0.250	-	-	-	250.000	1	0.250	
Subtotal: Recurring Cost			-	-	1.088	-	-	0.267	-	-	0.275	-	-	0.250	-	-	-	-	-	0.250	
Subtotal: Hardware - GDX6D - System			-	-	1.088	-	-	0.267	-	-	0.275	-	-	0.250	-	-	-	-	-	0.250	

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Exhibit P-5, Cost Analysis: PB 2015 Navy														Date: March 2014					
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 02 / 16							P-1 Line Item Number / Title: 3501 / Cryptologic Communications Equip							Item Number / Title [DODIC]: 1 / Cryptologic Communications Equip					
Cost Elements	ID CD	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)
Integration and Installation of Hardware Cost																			
Hardware - GDX6D - Network Computing Environment (NCE) Cost																			
Recurring Cost																			
4.1.1) Network Computing Environment		855.500	2	1.711	611.000	1	0.611	608.000	1	0.608	553.000	1	0.553	-	-	-	553.000	1	0.553
Subtotal: Recurring Cost		-	-	1.711	-	-	0.611	-	-	0.608	-	-	0.553	-	-	-	-	-	0.553
Subtotal: Hardware - GDX6D - Network Computing Environment (NCE) Cost		-	-	1.711	-	-	0.611	-	-	0.608	-	-	0.553	-	-	-	-	-	0.553
Hardware - GDX6D - CLASSIC SENSEI Upgrade Cost																			
Non Recurring Cost																			
5.1.1) Classic Sensei Upgrade to Signal Analysis Equipment		-	-	-	1,488.000	1	1.488	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	-	-	-	1.488	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - GDX6D - CLASSIC SENSEI Upgrade Cost		-	-	-	-	-	1.488	-	-	-	-	-	-	-	-	-	-	-	-
Support - 1V555 Production Support Cost																			
6.1) Production Support		-	-	1.088	-	-	0.483	-	-	0.519	-	-	0.457	-	-	-	-	-	0.457
Subtotal: Support - 1V555 Production Support Cost		-	-	1.088	-	-	0.483	-	-	0.519	-	-	0.457	-	-	-	-	-	0.457
Gross/Weapon System Cost		-	-	28.839	-	-	11.772	-	-	12.251	-	-	11.502	-	-	-	-	-	11.502

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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 02: Communications & Electronics Equip / BSA 17: Other Electronic Support						P-1 Line Item Number / Title: 3620 / Coast Guard 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)	90.651	5.946	2.893	2.967	-	2.967	3.489	3.304	7.101	7.245	133.281	256.877
Less PY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (\$ in Millions)	90.651	5.946	2.893	2.967	-	2.967	3.489	3.304	7.101	7.245	133.281	256.877
Plus CY Advance Procurement (\$ in Millions)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (\$ in Millions)	90.651	5.946	2.893	2.967	-	2.967	3.489	3.304	7.101	7.245	133.281	256.877
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares (\$ in Millions)	-	0.079	0.063	0.095	-	0.095	0.070	0.062	0.010	-	-	0.379
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 Coast Guard Equipment line funds the Coast Guard Combat System Suite for United States Coast Guard (USCG) cutters under the Coast Guard Surface Asset Acquisition Program. Under inter-service agreement (delineated in OPNAVINST 4000.79B), DON plans, programs, and budgets for specific Navy military equipment, systems and logistic support requirements for Coast Guard units to ensure the Coast Guard is prepared to execute naval warfare tasks in consonance with US Navy units. Ship construction and installation costs are funded under the Department of Homeland Security appropriation. The Combat Systems and Weapons Suite will be aligned with future Naval ship building programs to support commonality among the two Service's systems and meet National Fleet objectives. The Combat System Suite must compliment and integrate with Navy Combat Systems. The suite is an appropriate balance of equipment to ensure the Coast Guard is prepared to accomplish the assigned Naval Warfare tasks in concert with US Navy units. The Surface Asset Acquisition Program Combat Suites include the following: CG001 - SPQ-9B RADAR The AN/SPQ-9B radar is procured for the Maritime Security Cutter, Large (WMSL) Class, aka the National Security Cutter (NSC) Class, to track surface targets and low fliers in support of potential gun engagements. CG002 - IFF AIMS The AN/UPX-29A Identification Friend or Foe (IFF) System is procured for the WMSL Class. The AN/APX-123 Transponder is procured for the Fast Response Cutter aka Patrol Coastal Cutter (WPC). CG003 - MK 53 DECOY LAUNCHING SYSTEM The MK 53 Mod 6 Decoy Launching System (DLS) is procured for WMSL to provide soft-kill capability. CG004 - SLQ-32 The AN/SLQ-32 EW System and the Battleforce Electronic Warfare Trainer (BEWT) are procured for the WMSL to perform Electronic Support Measures to support soft-kill measures. CG005 - MK 46/MK 20 OPTICAL SIGHT												

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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 02: Communications & Electronics Equip / BSA 17: Other Electronic Support												P-1 Line Item Number / Title: 3620 / Coast Guard Equipment									
ID Code (A=Service Ready, B=Not Service Ready) : A						Program Elements for Code B Items:						Other Related Program Elements:									
The MK 46 Mod 1 OSS is being procured for WMSL 750-753. The MK 20 Mod 0 Electro-Optical Sighting System (EOSS) is being procured for WMSL 754-757. These sighting systems are a component of the MK48 Gun Weapon System and provide fire control optical daytime and thermal imaging (infrared) sensor, and laser range finding to support engagements of hostile surface and air targets. CG006 - COMBAT SYSTEM INTEGRATION Ensure successful integration and system interoperability of Navy type equipment that affects the Combat System of US Coast Guard cutters.																					
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)	
Coast Guard Equipment	P-40a		-	-	90.651	-	-	5.946	-	-	2.893	-	-	2.967	-	-	-	-	-	2.967	
Total Gross/Weapon System Cost			-	-	90.651	-	-	5.946	-	-	2.893	-	-	2.967	-	-	-	-	-	2.967	
*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 2013 reductions include sequestration and general reductions. FY 2015 reductions reflect the Department's decision to reduce contracted services, properly phase program requirements with expenditures, and miscellaneous rate adjustments.																					

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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 / 02 / 17						P-1 Line Item Number / Title: 3620 / Coast Guard Equipment								Aggregated Items Title: Coast Guard 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) CG001 - SPQ-9B RADAR																				
1.1) ILS/TEST SUPPORT	A		-	-	5.149	-	-	0.464	-	-	-	-	-	0.272	-	-	-	-	-	0.272
Subtotal: 1) CG001 - SPQ-9B RADAR			-	-	5.149	-	-	0.464	-	-	-	-	-	0.272	-	-	-	-	-	0.272
2) IFF AIMS																				
2.1) IFF AIMS CERTIFICATION WPC	A		-	-	0.160	-	-	0.080	-	-	0.080	-	-	0.120	-	-	-	-	-	0.120
2.2) IFF AIMS WMSL	A		4,435K	2	8.870	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) IFF AIMS ILS SUPPORT WPC	A		-	-	0.495	-	-	0.280	-	-	0.280	-	-	0.065	-	-	-	-	-	0.065
2.4) IFF AIMS EQUIPMENT WPC	A		105,571.43	14	1.478	121,333.33	6	0.728	123,000.00	4	0.492	125,000.00	2	0.250	-	-	-	125,000.00	2	0.250
2.5) IFF AIMS WMSM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.6) IFF AIMS UPX-29 LLT WMSM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.7) IFF AIMS UPX-29 LLT WMSL	A		248,000.00	2	0.496	281,000.00	1	0.281	-	-	-	-	-	-	-	-	-	-	-	-
2.8) MODIFICATION KITS	A		79,666.67	3	0.239	86,000.00	1	0.086	-	-	-	-	-	-	-	-	-	-	-	-
2.9) SUPPORT EQUIPMENT WMSL	A		75,750.00	4	0.303	88,500.00	2	0.177	87,500.00	2	0.175	103,000.00	1	0.103	-	-	-	103,000.00	1	0.103
2.10) PRODUCTION SUPPORT WMSL	A		-	-	0.391	-	-	0.100	-	-	0.043	-	-	0.077	-	-	-	-	-	0.077
2.11) ILS/TEST SUPPORT WMSL	A		-	-	0.436	-	-	0.085	-	-	0.071	-	-	0.044	-	-	-	-	-	0.044
2.12) CERTIFICATION WMSL	A		-	-	0.240	-	-	-	-	-	-	-	-	0.073	-	-	-	-	-	0.073
Subtotal: 2) IFF AIMS			-	-	13.108	-	-	1.817	-	-	1.141	-	-	0.732	-	-	-	-	-	0.732
3) CG003 DECOYS MK 53																				
3.1) MK 36 DLS WMSM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) ILS/TEST SUPPORT	A		-	-	2.994	-	-	0.399	-	-	0.143	-	-	0.169	-	-	-	-	-	0.169
Subtotal: 3) CG003 DECOYS MK 53			-	-	2.994	-	-	0.399	-	-	0.143	-	-	0.169	-	-	-	-	-	0.169
4) CG004 SLQ-32																				
4.1) BEWT WMSL	A		847,000.00	1	0.847	-	-	-	-	-	-	-	-	0.041	-	-	-	-	-	0.041
4.2) SLQ-32	A		14,090K	2	28.180	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) WMSM	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 / 02 / 17								P-1 Line Item Number / Title: 3620 / Coast Guard Equipment								Aggregated Items Title: Coast Guard 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)
4.4) SLQ-32 REFURBISHMENT	A		2,975K	2	5.950	981,000.00	1	0.981	-	-	-	-	-	-	-	-	-	-	-	-
4.5) SUPPORT EQUIPMENT	A		159,000.00	1	0.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.6) PRODUCTION SUPPORT	A		-	-	1.942	-	-	-	-	-	0.025	-	-	0.098	-	-	-	-	-	0.098
4.7) ILS/TEST SUPPORT	A		-	-	1.888	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.8) CERTIFICATION	A		-	-	0.338	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<i>Subtotal: 4) CG004 SLQ-32</i>			-	-	39.304	-	-	0.981	-	-	0.025	-	-	0.139	-	-	-	-	-	0.139
5) CG005 MK 46/MK 20 OPTICAL SIGHT																				
5.1) MODIFICATION KITS WMSL	A		-	-	0.196	-	-	0.101	-	-	-	-	-	-	-	-	-	-	-	-
5.2) EO/IR SYSTEM WMSM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.3) MK 46/MK 20 WMSL	A		14,525K	1	14.525	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5.4) DATA WMSL	A		-	-	0.226	-	-	0.060	-	-	-	-	-	-	-	-	-	-	-	-
5.5) SOFTWARE WMSL	A		-	-	1.521	-	-	0.349	-	-	0.300	-	-	0.250	-	-	-	-	-	0.250
5.6) PROGRAM SUPPORT WMSL	A		-	-	1.141	-	-	0.222	-	-	0.226	-	-	0.043	-	-	-	-	-	0.043
5.7) ORDALT WMSL	A		-	-	0.571	-	-	0.199	-	-	-	-	-	-	-	-	-	-	-	-
5.8) ILS/TEST SPT WMSL	A		-	-	1.344	-	-	0.379	-	-	0.300	-	-	-	-	-	-	-	-	-
<i>Subtotal: 5) CG005 MK 46/MK 20 OPTICAL SIGHT</i>			-	-	19.524	-	-	1.310	-	-	0.826	-	-	0.293	-	-	-	-	-	0.293
6) CG006 COMBAT SYSTEM INTEGRATION																				
6.1) CSI	A		-	-	10.572	-	-	0.975	-	-	0.758	-	-	1.362	-	-	-	-	-	1.362
<i>Subtotal: 6) CG006 COMBAT SYSTEM INTEGRATION</i>			-	-	10.572	-	-	0.975	-	-	0.758	-	-	1.362	-	-	-	-	-	1.362
Total			-	-	90.651	-	-	5.946	-	-	2.893	-	-	2.967	-	-	-	-	-	2.967

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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 02: Communications & Electronics Equip / BSA 19: Drug Interdiction Support	P-1 Line Item Number / Title: 3820 / Other Drug Interdiction Support

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>)	74.165	5.454	-	-	-	-	-	-	-	-	-	79.619
Less PY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) (<i>\$ in Millions</i>)	74.165	5.454	-	-	-	-	-	-	-	-	-	79.619
Plus CY Advance Procurement (<i>\$ in Millions</i>)	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority (<i>\$ in Millions</i>)	74.165	5.454	-	-	-	-	-	-	-	-	-	79.619
<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:

Funds are appropriated in a central transfer account and reprogrammed into this line in execution to support drug interdiction efforts.

[P40A / OTHER DRUG INTERDICTION SUPPORT]: Other Drug Interdiction Support Funding

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 Drug Interdiction Support	P-40a		-	-	74.165	-	-	5.454	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			-	-	74.165	-	-	5.454	-	-	-	-	-	-	-	-	-	-	-	-

*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 / 02 / 19						P-1 Line Item Number / Title: 3820 / Other Drug Interdiction Support										Aggregated Items Title: Other Drug Interdiction Support				
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) Other Drug Interdiction Support																				
1.1) OTHER DRUG INTERDICTION SUPPORT	A		-	-	74.165	-	-	5.454	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Other Drug Interdiction Support			-	-	74.165	-	-	5.454	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	74.165	-	-	5.454	-	-	-	-	-	-	-	-	-	-	-	-