Department of Defense
Fiscal Year (FY) 2015 Budget Estimates

March 2014

Navy

Justification Book Volume 4

Other Procurement, Navy

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Other Procurement, Navy

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, $5,975,828,000, to remain available for obligation until September 30, 2017.

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

20 Feb 2014

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

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

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
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20 Feb 2014

Appropriation: 1810N Other Procurement, Navy

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

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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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	Production Facilities Equipment												
32	Operating Forces Ipe	A		86,405		46,868				46,868		39,409	U
	Other Ship Support												
33	Nuclear Alterations	A		141,755		106,328				106,328		118,129	U
34	LCS Common Mission Modules Equipment			25,087		35,966				35,966		37,413	U
35	LCS MCM Mission Modules			31,829		34,885				34,885		15,270	U
36	LCS ASW Mission Modules											2,729	U
37	LCS SUW Mission Modules			30,301		19,481				19,481		44,208	U
38	Remote Minehunting System (RMS)	A										42,276	U
	Logistic Support												
39	LSD Midlife			39,511		66,620				66,620			U
Total Ships Support Equipment				1,861,875		1,447,020				1,447,020		1,702,157	
Budget Activity 02: Communications & Electronics Equip													
	Ship Sonars												
40	SPQ-9B Radar	A		18,076		27,934				27,934		28,007	U
41	AN/SQQ-89 Surf ASW Combat System	A		80,059		83,231				83,231		79,802	U
42	SSN Acoustics	A		174,919		175,852				175,852		165,655	U
43	Undersea Warfare Support Equipment	A		15,520		9,394				9,394		9,487	U
44	Sonar Switches and Transducers	A		12,349		12,953				12,953		11,621	U
45	Electronic Warfare MILDEC	A				8,958				8,958			U

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

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

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

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	Cryptographic Equipment												
95	Info Systems Security Program (ISSP)	A		123,917		133,530				133,530		110,766	U
96	MIO Intel Exploitation Team	A				1,000				1,000		979	U
	Cryptologic Equipment												
97	Cryptologic Communications Equip	A		11,773		12,251				12,251		11,502	U
	Other Electronic Support												
98	Coast Guard Equipment	A		5,946		2,893				2,893		2,967	U
	Drug Interdiction Support												
99	Other Drug Interdiction Support	A		5,454									U
Total Communications & Electronics Equip				1,899,887		2,083,267				2,083,267		2,326,845	
Budget Activity 03: Aviation Support Equipment													
	Sonobuoys												
100	Sonobuoys - All Types	A		109,517		177,327				177,327		182,946	U
	Aircraft Support Equipment												
101	Weapons Range Support Equipment	A		67,162		50,679				50,679		47,944	U
102	Expeditionary Airfields	A		33,687		4,677				4,677			U
103	Aircraft Support Equipment	A										76,683	U
104	Aircraft Rearming Equipment	A		8,530		11,364				11,364			U
105	Aircraft Launch & Recovery Equipment	A		69,311		57,502				57,502			U
106	Meteorological Equipment	A		17,790		19,118				19,118		12,575	U
107	DCRS/DPL	A		1,345		1,425				1,425		1,415	U

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

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

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

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20 Feb 2014

Appropriation: 1810N Other Procurement, Navy

Line No	Item Nomenclature	Ident Code	FY 2013 (Base & OCO) Quantity	FY 2013 (Base & OCO) Cost	FY 2014 Base Enacted Quantity	FY 2014 Base Enacted Cost	FY 2014 OCO Enacted Quantity	FY 2014 OCO Enacted Cost	FY 2014 Total Enacted Quantity	FY 2014 Total Enacted Cost	FY 2015 Base Quantity	FY 2015 Base Cost	Sec
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	

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

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	FY 2013 (Base & OCO) Cost	FY 2014 Base Enacted Quantity	FY 2014 Base Enacted Cost	FY 2014 OCO Enacted Quantity	FY 2014 OCO Enacted Cost	FY 2014 Total Enacted Quantity	FY 2014 Total Enacted Cost	FY 2015 Base Quantity	FY 2015 Base Cost	Sec
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	

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

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

Line Item Title	Line Item Number	Line #	BA	BSA	Page
AEGIS Support Equipment	5246	122	04	03	Volume 4 - 105
ASW Range Support Equipment	5455	131	04	05	Volume 4 - 207
ASW Support Equipment	5429	128	04	05	Volume 4 - 177
Anti-ship Missile Decoy System	5530	134	04	07	Volume 4 - 223
Explosive Ordnance Disposal Equip	5509	132	04	06	Volume 4 - 211
Gun Fire Control Equipment	5209	117	04	02	Volume 4 - 7
Items Less Than $5 Million	5543	133	04	06	Volume 4 - 219
Maritime Integrated Planning System - MIPS	5265	125	04	03	Volume 4 - 131
NATO Seasparrow	5237	119	04	03	Volume 4 - 65
Naval Fires Control Sys	5112	116	04	02	Volume 4 - 5
RAM GMLS	5238	120	04	03	Volume 4 - 75
SSN Combat Control Systems	5420	127	04	05	Volume 4 - 149
Ship Gun Systems Equipment	5111	115	04	02	Volume 4 - 1
Ship Missile Support Equipment	5231	118	04	03	Volume 4 - 11
Ship Self Defense System	5239	121	04	03	Volume 4 - 87
Strategic Missile Systems Equip	5358	126	04	04	Volume 4 - 139
Submarine ASW Support Equipment	5431	129	04	05	Volume 4 - 193

Line Item Title	Line Item Number	Line #	BA	BSA	Page
Submarine Training Device Mods	5661	136	04	07	Volume 4 - 243
Surface ASW Support Equipment	5449	130	04	05	Volume 4 - 201
Surface Training Device Mods	5660	135	04	07	Volume 4 - 237
Tomahawk Support Equipment	5253	123	04	03	Volume 4 - 109
Training Device Mods	5662	137	04	07	Volume 4 - 265
Vertical Launch Systems	5260	124	04	03	Volume 4 - 115

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment	**P-1 Line Item Number / Title:** 5111 / Ship Gun Systems 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)*	0.000	-	-	5.572	-	5.572	5.328	5.483	5.540	5.649	5.059	32.631
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	5.572	-	5.572	5.328	5.483	5.540	5.649	5.059	32.631
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**5.572**	**-**	**5.572**	**5.328**	**5.483**	**5.540**	**5.649**	**5.059**	**32.631**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	0.030	-	0.030	0.009	0.010	0.010	-	-	0.059
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:

ORDNANCE SUPPORT EQUIPMENT provides funds for the procurement of equipment, material and Ordnance Alterations to improve combat effectiveness and logistic supportability for gun and mission planning systems, and ancillary support equipment.

P40A - 1/ The Naval Fires Control System (NFCS) is an automated mission planning and coordination system for the Naval Surface Fire Support (NSFS) System. It automates shipboard land attack battle management duties to be interoperable and consistent with joint C4ISR systems. The system significantly improves the Navy's ability to support forces ashore. These improvements provide enhanced capabilities and reduce total ownership costs by improving reliability and supportability of in-service systems.

[P40A - 2 / NV039 Night Vision Devices]: Procures new Night Vision Devices (NVD) for ships and shore sites. Provides replacement of NVD and NVD Test Equipment.

[P40A - 2 / NV051 OSS Production Improvement]: Procures various Product Improvements for MK46 Optical Sight Systems (OSS)/MK20 Electro-Optical Sight System (EOSS) on DDG 51 and CG 47 Class ships. The Optical Sight System (OSS) is an integral element of the MK 34 Gun Weapon System. These improvements provide enhanced force protection capabilities, improve availability to address increase in Fleet underway operations, and reduce total ownership costs by improved reliability and supportability of in-service equipment systems. System and component improvements include: Mod 0 Technical Refresh, upgrade of Daylight Imaging Sensor (DIS) Field of View, system power supplies, Mod 0 console / monitor upgrade, system obsolescence replacement and component level product improvements.

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)
Naval Fires Control Sys	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	0.979	-	-	-	-	-	0.979
Gun Fire Control Equipment	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	4.593	-	-	-	-	-	4.593

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment	**P-1 Line Item Number / Title:** 5111 / Ship Gun Systems Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Total Gross/Weapon System Cost			-	-	0.000	-	-	-	-	-	-	-	-	5.572	-	-	-	-	-	5.572

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

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

Justification:
Note: The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items (5209 and 5112).

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 2	**P-1 Line Item Number / Title:** 5111 / Ship Gun Systems Equipment	**Aggregated Items Title:** Naval Fires Control Sys (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) EQUIPMENT																				
1.1) FC001 Naval Fires Control Sys (NFCS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) EQUIPMENT			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) INSTALLATION																				
2.1) FC0002 Installation of NFCS Equipment	A		-	-	-	-	-	-	-	-	-	245,000.00	1	0.245	-	-	-	245,000.00	1	0.245
2.2) FC007 LSS Update	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) FC008 LSS Remote Sensors	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) FC009 NFCS for LSS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) FC010 Product Improvement/ ORDALT	A		-	-	-	-	-	-	-	-	-	-	-	0.392	-	-	-	-	-	0.392
2.6) FC011 Installation of ORDALT	A		-	-	-	-	-	-	-	-	-	-	-	0.127	-	-	-	-	-	0.127
2.7) FC830 Production Engineering Support (NFCS)	A		-	-	-	-	-	-	-	-	-	-	-	0.215	-	-	-	-	-	0.215
2.8) FCCA1 Gulf Coast Joint Harbor OPS Center (JHOC)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) WAXXX Acquisition Workforce Fund - 2009	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) INSTALLATION			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.979*	-	-	-	-	-	*0.979*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.979**	**-**	**-**	**-**	**-**	**-**	**0.979**

Footnotes:

(1) The Naval Fires Control System (NFCS)

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 2	**P-1 Line Item Number / Title:** 5111 / Ship Gun Systems Equipment	**Aggregated Items Title:** Gun Fire Control Equipment (2)

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) Equipment																				
1.1) NV024 RMA (Reliability, Maintainability, and Availability)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) NV039 Night Vision Devices	A		-	-	-	-	-	-	-	-	-	-	-	2.285	-	-	-	-	-	2.285
1.3) NV051 OSS Production Improvement	A		-	-	-	-	-	-	-	-	-	-	-	2.308	-	-	-	-	-	2.308
1.4) WAXXX Acquisition Workforce Fund - 2009	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Equipment			-	-	*0.000*	-	-	-	-	-	-	-	-	*4.593*	-	-	-	-	-	*4.593*
2) Installation																				
2.1) NV6IN Install of Equipment NON-FMP	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Installation			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4.593**	**-**	**-**	**-**	**-**	**-**	**4.593**

Footnotes:

(2) This program provides for the procurement of equipment, materials and Ordnance Alterations (ORDALTs) to improve combat effectiveness and maintain logistic supportability of Gun Computer System (GCS) and Optical Sight Systems (OSS) and procures Night Vision devices.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment	**P-1 Line Item Number / Title:** 5112 / Naval Fires Control Sys

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)*	52.568	3.177	1.188	-	-	-	-	-	-	-	-	56.933
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	52.568	3.177	1.188	-	-	-	-	-	-	-	-	56.933
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**52.568**	**3.177**	**1.188**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**56.933**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.041	-	-	-	-	-	-	-	-	-	0.041
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 Naval Fires Control System (NFCS) is an automated mission planning and coordination system for the Naval Surface Fire Support (NSFS) System. It automates shipboard land attack battle management duties to be interoperable and consistent with joint C4ISR systems. The system significantly improves the Navy's ability to support forces ashore. These improvements provide enhanced capabilities and reduce total ownership costs by improving reliability and supportability of in-service 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)
Naval Fires Control Sys	P-40a		-	-	52.568	-	-	3.177	-	-	1.188	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**52.568**	**-**	**-**	**3.177**	**-**	**-**	**1.188**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 2	**P-1 Line Item Number / Title:** 5112 / Naval Fires Control Sys	**Aggregated Items Title:** Naval Fires Control Sys

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Naval Fires Control Sys																				
1)			-	-	5.746	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Naval Fires Control Sys			-	-	*5.746*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1) EQUIPMENT																				
1.1) FC001 Naval Fires Control Sys (NFCS)	A		11,006K	1	11.006	779,500.00	2	1.559	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) EQUIPMENT			-	-	*11.006*	-	-	*1.559*	-	-	-	-	-	-	-	-	-	-	-	-
2) INSTALLATION																				
2.1) FC0002 Installation of NFCS Equipment	A		-	-	-	300,000.00	1	0.300	300,000.00	1	0.300	-	-	-	-	-	-	-	-	-
2.2) FC007 LSS Update	A		-	-	15.645	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) FC008 LSS Remote Sensors	A		-	-	5.062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4) FC009 NFCS for LSS	A		-	-	3.290	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.5) FC010 Product Improvement/ ORDALT	A		-	-	2.459	-	-	0.476	-	-	0.441	-	-	-	-	-	-	-	-	-
2.6) FC011 Installation of ORDALT	A		-	-	1.335	-	-	0.263	-	-	0.188	-	-	-	-	-	-	-	-	-
2.7) FC830 Production Engineering Support (NFCS)	A		-	-	7.020	-	-	0.579	-	-	0.259	-	-	-	-	-	-	-	-	-
2.8) FCCA1 Gulf Coast Joint Harbor OPS Center (JHOC)	A		-	-	0.997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.9) WAXXX Acquisition Workforce Fund - 2009	A		-	-	0.008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) INSTALLATION			-	-	*35.816*	-	-	*1.618*	-	-	*1.188*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**52.568**	**-**	**-**	**3.177**	**-**	**-**	**1.188**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment	**P-1 Line Item Number / Title:** 5209 / Gun Fire Control Equipment

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

Program Elements for Code B Items:

Other Related Program Elements:

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	77.016	4.141	4.447	-	-	-	-	-	-	-	-	85.604
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	77.016	4.141	4.447	-	-	-	-	-	-	-	-	85.604
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**77.016**	**4.141**	**4.447**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**85.604**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This program provides for the procurement of equipment, materials and Ordnance Alterations (ORDALTs) to improve combat effectiveness and maintain logistic supportability of Gun Computer System (GCS) and Optical Sight Systems (OSS) and procures Night Vision devices.

[P40A / NV039 Night Vision Devices]: Procures new Night Vision Devices (NVD) for ships and shore sites. Provides replacement of NVD and NVD Test Equipment.

[P40A / NV051 OSS Production Improvement]: Procures various Product Improvements for MK46 Optical Sight Systems (OSS)/MK20 Electro-Optical Sight System (EOSS) on DDG 51 and CG 47 Class ships. The Optical Sight System (OSS) is an integral element of the MK 34 Gun Weapon System. These improvements provide enhanced force protection capabilities, improve availability to address increase in Fleet underway operations, and reduce total ownership costs by improved reliability and supportability of in-service equipment systems. System and component improvements include: Mod 0 Technical Refresh, upgrade of Daylight Imaging Sensor (DIS) Field of View, system power supplies, Mod 0 console / monitor upgrade, system obsolescence replacement and component level product improvements.

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)
Gun Fire Control Equipment	P-40a		-	-	77.016	-	-	4.141	-	-	4.447	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**77.016**	**-**	**-**	**4.141**	**-**	**-**	**4.447**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 2: Ship Gun System Equipment	P-1 Line Item Number / Title: 5209 / Gun Fire Control Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 2	**P-1 Line Item Number / Title:** 5209 / Gun Fire Control Equipment	**Aggregated Items Title:** Gun Fire Control Equipment

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Equipment																				
1.1) NV024 RMA (Reliability, Maintainability, and Availability)	A		-	-	6.583	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) NV039 Night Vision Devices	A		-	-	28.816	-	-	1.868	-	-	1.959	-	-	-	-	-	-	-	-	-
1.3) NV051 OSS Production Improvement	A		-	-	41.199	-	-	2.273	-	-	2.488	-	-	-	-	-	-	-	-	-
1.4) WAXXX Acquisition Workforce Fund - 2009	A		-	-	0.040	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Equipment			-	-	*76.638*	-	-	*4.141*	-	-	*4.447*	-	-	-	-	-	-	-	-	-
2) Installation																				
2.1) NV6IN Install of Equipment NON-FMP	A		-	-	0.378	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) Installation			-	-	*0.378*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**77.016**	**-**	**-**	**4.141**	**-**	**-**	**4.447**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	165.769	-	165.769	201.442	190.666	188.906	193.686	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	165.769	-	165.769	201.442	190.666	188.906	193.686	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**165.769**	**-**	**165.769**	**201.442**	**190.666**	**188.906**	**193.686**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	2.415	-	2.415	2.350	2.285	2.298	2.110	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:

Ship Missile Support Equipment provides procurement and installation support to address fleet requirements for AEGIS Weapons System, Ships Self Defense System (SSDS), Vertical Launch System (VLS), NATO Seasparrow, RAMS GMLS, and Anti-Ship Missile Decoy System.

[P40A / NATO SEASPARROW]: The NATO SEASPARROW Surface Missile System (NSSMS) is a shipboard Self-Defense Missile System. In addition to the standard mission of Anti-Air and Anti-Surface Defense (AAW, ASUW), NSSMS is designed to protect ship and crew from a variety of inbound threats, including Anti-Ship Cruise Missiles (ASCM), Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC), Low Velocity Air Threats (LVAT), and a wide range of asymmetrical threats (e.g. Unmanned Aerial and Surface vehicles, small Rigid Hull Inflatable Boats, etc).

Primary operations consist of acquiring targets either manually using radar search or Electro Optic/Infrared capability, or automatically via external or internal designations, generation of fire-control quality track data for engage ability determination, launcher control and missile initialization, queuing of other weapons (e.g. Rolling Airframe Missile) via the Ship Self Defense System (SSDS) or AN/SWY 3/5 Combat System, RIM-7H/M/P SEASPARROW missile and RIM-162D Evolved SEASPARROW Missile (ESSM) firing, target illumination for Missile Guidance and Visual Kill/Survive and Battle Damage Assessments.

NSSMS provides manual or fully automatic operation with provisions for operator intervention or override from the time of target designation to missile away. The legacy NSSMS configuration consists of Fire Control and Launcher Systems comprised of 2-4 Directors, a distributed computing network, Transmitter Group, 3-5 Operating Consoles, and 1-2 Eight-Cell missile Launchers which employ the surface launch variant of the Sparrow and ESSM. The RIM-7 and RIM-162 missiles use semi- active guidance with target illumination provided by the shipboard Mk 9/95 fire control systems. NSSMS MK 57 Mods 12 and higher (ESSM capable) are integrated with the SSDS and become part of the SSDS MK 2 Combat System on CVN 68, LHA 6 and LHD 7-8 class ships. Starting with the Ford Class (CVN 78), the Guided Missile Launching System (GMLS) is segmented from the MK 57 and interfaces directly to the SSDS Combat System; the CVN 78 effort is referred to as NSSMS Objective Configuration OC Phase 1 (OCP 1).

NSSMS Objective Configuration Phase 2 (OCP 2) consists of the segmenting the MK 9 Track Illuminator System (TIS) to interface directly to with SSDS Combat System, as well as eliminating all MK 57 watch stations. This watch station elimination dramatically reduces system life cycle costs for hardware, software, manning, training and maintenance and obsolescence requirements, also allowing the Navy to divest of RIM-7 and associated infrastructure. Recent SSDS FRB activity has also created an incentive to consider MK 9 performance improvements opportunities.

MK 29 modernization efforts address a variety of issues with the legacy MK 132 above deck launcher equipment, including achieving the desired Grade A shock qualification, solving missile loading/loader beam safety issues, missile environmental issues and future ESSM compatibility.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

The NSSMS is a NATO Cooperative Project with 12 participating Governments; Australia, Belgium, Canada, Denmark, Germany, Greece, Norway, The Netherlands, Portugal, Spain, Turkey and the United States. The NSSMS and associated systems of the Cooperative Project were developed, produced and are supported under Department of Defense (DoD) International Memorandums of Understanding (MOU).

Funding provides for (1) equipment modernization, (2) NATO SEASPARROW Objective Configuration (OC) program consisting of segmenting and automating MK 9 Track Illuminator System interfacing directly to the SSDS Combat System, and (3) Stalker Long Range Electro-Optic Sensor System.

The MK 57 NSSMS continues to be evolved to provide credible ship self defense. These equipment modernization upgrades will result in the ability of the MK 57 System to support future mission requirements. NSSMS MK 57 Mods 12 and higher (ESSM capable) are integrated with the SSDS and become part of the SSDS MK 2 Combat System.

The NATO SEASPARROW OC program consists of segmenting and automating the Mk 9 Track Illuminator System (TIS) interfacing directly to the SSDS Combat System, eliminating all MK 57 watch stations, reducing system hardware, providing annual cost avoidance/savings, avoiding non-recurring engineering associated with integrating with CDS/CPS and allowing the Navy to divest of RIM-7 and associated infrastructure. Recent SSDS FRB activity has also created an incentive to consider Mk9 performance improvements opportunities. Mk132 Modernization (above deck launcher portion of Mk29 GMLS) allows for the upgrades necessary to address a variety of issues with this legacy equipment, including Grade A shock deficiencies with the current design when employed with ESSM, missile loading issues, missile environmental issues and future ESSM capability. The FY13 funding allocation on the Solid State Transmitter (SSTx) funding line is earmarked to support Mk9 improvements/modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. The funding will be used to procure 1 set of Mk9 improvements/modernization related qualification hardware and associated engineering efforts. In contrast, the SSTx funding shown for FY14 and out will be used to procure production SSTx units.

Stalker Long Range Electro-Optic Sensor System is a modular, portable and form/fit replacement for the MK 6 LLLTV mounted on NATO radar director (stabilized platform) providing 360 degree coverage satisfying ROE. It is able to detect, classify, ID, & assist in intent determination supporting "24/7" NAV, INTEL & AT/FP in addition to SUW, AAW and ASMD. Stalkers will be upgraded with the addition of Active/ Passive Dual Imaging Sensor (AP/DIS IR). This improvement to Stalker will improve environmental performance via active/passive Short Wave IR. The Stalker system will further improve maritime target identification with increased range and resolution at night and through haze penetration/clutter reduction. This effort is in response to the NAVCENT Counter Swarm Urgent Operational Need (UON) to combat Fast Attack Craft/Fast Inshore Attack Craft (FAC/FIAC).

[P40A - 2 / RAM GMLS]: Rolling Airframe Missile (RAM) - MK-49 Guided Missile Launching System (GMLS): RAM is a cooperative project with the Federal Republic of Germany, produced under a series of production MOUs/MOAs (the latest was signed on 19 March 2013) executed between the U.S. and the Federal Republic of Germany.

The MK-31 Guided Missile Weapon System (GMWS) is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 GMLS, which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms ranging from large USN aircraft carriers to S-143 type German patrol boats. This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

Funding profile directly supports final installations and associated efforts of RAM Mod 3 upgrades on LSD class ships in accordance with ships installation/availability schedule. Installation funding includes DSA planning and actual installation costs. Without this upgrade the Ship Self Defense System (SSDS) on these ships will only be able to fire RAM in manual mode.

[P40A - 3 / Ship Self Defense System]: The Ship Self Defense System (SSDS) is the core combat system control element for the Quick Reaction Combat Capability (QRCC) in aircraft carriers and amphibious assault ships to defend against Anti-Ship Cruise Missiles (ASCM). SSDS integrates a diverse set of fire control loop sensors and weapons, and C4I systems for each ship class (CVN68/78, LHA6, LHD1, LPD17, and LSD41/49 ship classes). SSDS MK2 provides the capabilities for integrated air and missile defense, multi-warfare situational awareness, combat direction, and joint interoperability via the Cooperative Engagement Capability (CEC) and Tactical Digital Information Link (TADIL)-J (Link 16). SSDS MK2 is being fielded with the new construction carriers (CVN78 class) and amphibious ships (LHA6, LPD17 classes). SSDS MK2 is replacing the Advanced Combat Direction System (ACDS) in the LHD1 class, and SSDS MK1 in the LSD 41/49 class, as fleet modernization initiatives.

SSDS MK2 integrates new combat system warfighting capabilities and improvements on phased basis via Advanced Capability Builds (ACB), Technology Insertion (TI), the Fire Control Loop Improvement Project (FCLIP), and Accelerated Mid-Term Interoperability Improvement Project (AMIIP). New hardware Technology Insertion baselines are required every four years to refresh the Commercial-Off-The-Shelf

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

(COTS) assemblies to sustain system production and to support the incorporation of new ACB capabilities. Each individual ship is planned for a Technology Insertion upgrade on an eight year interval to replace obsolescent COTS hardware and support the fielding of the ACB capabilities.

SHIP SELF DEFENSE SYSTEM (SSDS) MK 1 provides ship self defense capabilities against Anti-Ship Cruise Missiles (ASCM) for LSD 41/49 class ships. It integrates several existing stand-alone sensor and Anti-Air Warfare weapons systems to provide an automated detectto-engage capability against low flying, high speed ASCMs with low radar cross sections in the littoral environment. System design emphasizes physically distributed non-developmental items, commercial standards and computer program reuse in an open system architecture computer network. It includes a command table that uses components of the Navy's AN/UYQ-70 standard display for human-system interface, commercially available local area network access units and circuit cards, and commercially available fiber optic cabling. SSDS MK 1 requires a COTS obsolescence technology refresh and transitioned to an SSDS MK2 Open Architecture Computing Environment (OACE) beginning with FY10 procurement for shore sites.

SHIP SELF DEFENSE SYSTEM (SSDS) MK 2 provides Advance Combat Direction System (ACDS) functionality and SSDS MK1 capabilities with additional weapon and sensor elements. It is integrated with Cooperative Engagement Capability (CEC) and tactical data links to provide joint interoperability for Aircraft Carriers and Amphibious Ships. It provides enhanced capabilities for Force Protection against air, surface, and subsurface threats using both own-ship and remote data in support of the Anti Air Warfare (AAW) Capstone Requirements. SSDS MK2 increases operational capabilities, improves combat readiness and Strike Group and Expeditionary Strike Group interoperability. SSDS MK 2 equips back-fit LHDs and CV(N)s with an upgraded Combat System Display Suite which includes AN/UYQ-70s, Automatic Status Board (ASTABS), Remote ASTAB Controllers, peripheral control stations and Advanced Sensor Distribution System (ASDS), as well as, the SSDS MK 2 computing equipment. Prior year procurement of SSDS MK 2 equipment included shore-based SSDS MK 2 equipment and full combat system suites for the Ship Combat System Center (SCSC), Wallops Island, Virginia; maintenance and operator training equipment at the Center for Surface Combat Systems (CSCS), Dam Neck, Virginia; and an equipment suite for the Self Defense Test Ship (SDTS). COTS obsolescence technology refresh kits are funded for SSDS MK 2 and SSDS MK 1 in FY13-FY19. This P-1 line item supports various Commercial Off The Shelf (COTS) based systems used within the combat system. FY13-FY19 COTS Conversion Kits are planned for CVNs, LPDs, LHDs, and LSDs, and COTS Upgrade Kits are planned for the Self Defense Test Ship (SDTS) and the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture computing environment standards to facilitate software reuse. FY13-FY15 kits are based on a Technology Insertion-12 (TI-12) configuration. FY16-FY19 are based on a TI-16 configuration. Starting in FY14, the Integrated Combat System Test Facility, at Naval Surface Warfare Center Dahlgren, is designated as an SSDS MK2 test facility for SSDS MK2/Combat System Certification testing. FY14-FY19 includes COTS Conversion Kits, equipment upgrade kits and support equipment for this facility. The budget cost estimate for the kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits are included in the footnotes of exhibit P3A (for UQ005B).

[P40A - 4 / AEGIS Support Equipment]: Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements.
L7001: Provides funding to procure and maintain special test equipment (Adaptive Diagnostic Electronic Portable Test Set(ADEPT)/Radiation Probes) to support Maintenance and Troubleshooting efforts for the AEGIS Weapon System on Deployed Units and Critical shore sites.
L7003: Provides funding to procure and maintain IWSL Weapons System and support infrastructure to support fleet issues resolution within the AEGIS Weapon System.
L7006: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements and integration and test efforts required to complete Weapon and Combat System Certification.
L7007: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements for the AEGIS Weapon System.
L7011: Provides funding to address fleet hardware issues related to equipment obsolescence, high failure, or to reduce maintenance costs and improve the readiness of the AEGIS Fleet.
L7600: Provides funding to complete installation of ORDALTS and other Ship Changes designed to improve the readiness of the AEGIS Combat System.

[P40A - 5 / Vertical Launch Systems]: The MK-41 Vertical Launching System (VLS) is a surface combatant missile launching system, designed to store, select and launch various STANDARD Missile configurations, TOMAHAWK, Tactical TOMAHAWK, EVOLVED SEASPARROW (ESSM) and Vertical Launch ASROC (VLA) missiles. The MK-41 VLS significantly improves missile capacity, flexibility, multi-mission capability, reaction time and rate of fire and is designed to be adaptable to present and future weapon systems. Current configurations are: two 61 cell launchers, forward and aft, for 22 TICONDEROGA (CG 47) Class Cruisers beginning with CG-52; one 61 cell aft and one 29 cell launcher forward for 28 ARLEIGH BURKE (DDG 51) Class Destroyers; and one 64 cell launcher aft and one 32 cell launcher forward for 34 DDG 51 FLT IIA ships.

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

The OPN requirements procure Engineering Change Proposals/Ordnance Alterations (ECP/ORDALT) and funds sustaining engineering support for Fleet investigations and safety issues. Funds are required for Fleet operational availability, capability, safety and survivability. There are no significant increases or decreases in this program.

[P40A - 6 / Maritime Integrated Planning System - MIPS]: Maritime Integrated Air and Missile Defense (IAMD) Planning System (MIPS) is an automated air and missile defense planning tool that supports Joint Force Maritime Component Commander operational level of war air defense planning by automatically and optimally allocating ship stationing options in support of Ballistic Missile Defense (BMD) or Anti-Air Warfare (AAW).

MIPS contains United States Army Patriot and Terminal High Altitude Air Defense models to ensure synergistic allocation and positioning of maritime units in relation to other joint units, providing optimized mutual defense of selected defended assets, against selected BMD and AAW threats. FY 2012 was the first year OPN was used for the MIPS Program; to provide technology refresh to existing hardware.

Fourteen (14) MIPS are currently planned for procurement, with two (2) ship-based installations, ten (10) shore-based installations, and one (1) Environmental Qualification Test (EQT) system. The ship classes that will receive MIPS are CVN and LCC class ships. The ten (10) shore-based systems will be installed at various predetermined locations.

[P40A - 7 / ANTI SHIP MISSILE DECOY SYSTEM]: The Anti-Ship Missile Decoy Program covers a family of decoys and the equipment to deploy them. It is an essential element of the Anti-Ship Missile Defense tactics to counter the threat of enemy homing missiles. NULKA is a joint program with Australia, and is currently in service with the Australian, Canadian, and United States Navies. This line contains various equipment and subsystems for a system which will provide the capability to defeat the effectiveness of hostile Anti-Ship cruise missiles. NULKA has been installed on the CG 47, DDG 51, FFG 7, LSD 41, and LSD 49 Classes in prior years. Installation on CVNs will begin in FY14 and will be installed on nine carriers. The DLF-3B decoy systems respond to an urgent operational need by providing an initial limited interim decoy capability to the fleet by 2014.

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)
NATO SEASPARROW	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	26.557	-	-	-	-	-	26.557
RAM GMLS	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	3.856	-	-	-	-	-	3.856
Ship Self Defense System	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	4.844	-	-	-	-	-	4.844
AEGIS Support Equipment	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	67.592	-	-	-	-	-	67.592
Vertical Launch Systems	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	0.728	-	-	-	-	-	0.728
Maritime Integrated Planning System - MIPS	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTI SHIP MISSILE DECOY SYSTEM	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	7.905	-	-	-	-	-	7.905
P-3a - 1 / NATO Seasparrow	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / UR006 RAM MK-49 GMLS ORDALTS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	0.517	-	-	-	-	-	0.517
P-3a - 3 / UQ005B - SSDS COTS CONVERSION KITS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	25.919	-	-	-	-	-	25.919
P-3a - 4 / 5A118 MTCP EQUIVALENT OF 4293	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Exhibits Schedule			Prior Years			FY 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 / 5A118 4292 FAIRING BLOCK UPGRADE	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 6 / 5A118 SHIPALT MATERIAL HALL SWITCH	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 7 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 8 / VV001 NULKA SYSTEMS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	9.194	-	-	-	-	-	9.194
P-3a - 9 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	3.238	-	-	-	-	-	3.238
P-3a - 10 / VV831 - DLF-3B SYSTEMS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	15.419	-	-	-	-	-	15.419
Total Gross/Weapon System Cost			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**165.769**	**-**	**-**	**-**	**-**	**-**	**165.769**

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)
NATO SEASPARROW	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RAM GMLS	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ship Self Defense System	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
AEGIS Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Vertical Launch Systems	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Maritime Integrated Planning System - MIPS	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ANTI SHIP MISSILE DECOY SYSTEM	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / NATO Seasparrow	P-3a		-	-	21.532	-	-	3.393	-	-	22.719	-	-	3.605	-	-	12.802	-	-	64.051
P-3a - 2 / UR006 RAM MK-49 GMLS ORDALTS	P-3a		-	-	1.203	-	-	1.249	-	-	1.190	-	-	1.213	-	-	-	-	-	5.372
P-3a - 3 / UQ005B - SSDS COTS CONVERSION KITS	P-3a		-	-	58.555	-	-	54.919	-	-	54.828	-	-	55.904	-	-	-	-	-	250.125
P-3a - 4 / 5A118 MTCP EQUIVALENT OF 4293	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / 5A118 4292 FAIRING BLOCK UPGRADE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 6 / 5A118 SHIPALT MATERIAL HALL SWITCH	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
P-3a - 7 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 8 / VV001 NULKA SYSTEMS	P-3a		-	-	6.214	-	-	6.314	-	-	6.516	-	-	6.703	-	-	11.085	-	-	46.026
P-3a - 9 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	P-3a		-	-	4.245	-	-	4.500	-	-	4.571	-	-	4.610	-	-	-	-	-	21.164
P-3a - 10 / VV831 - DLF-3B SYSTEMS	P-3a		-	-	1.895	-	-	2.205	-	-	-	-	-	-	-	-	-	-	-	19.519
Total Gross/Weapon System Cost			**-**	**-**	**201.442**	**-**	**-**	**190.666**	**-**	**-**	**188.906**	**-**	**-**	**193.686**	**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:
Note: The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** NATO SEASPARROW

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) EQUIPMENT MODERNIZATION - US005																				
1.1) OBJECTIVE CONFIGURATION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	10.000	-	-	-	-	-	10.000
1.2) MK 132 (MID-LIFE UPGRADE)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	2.202	-	-	-	-	-	2.202
1.4) MK 9 IMPROVEMENTS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) LHD UPGRADE	A		-	-	-	-	-	-	-	-	-	-	-	13.145	-	-	-	-	-	13.145
Subtotal: 1) EQUIPMENT MODERNIZATION - US005			-	-	*0.000*	-	-	-	-	-	-	-	-	*25.347*	-	-	-	-	-	*25.347*
2) STALKER - US005																				
2.1) STALKER PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	1.210	-	-	-	-	-	1.210
Subtotal: 2) STALKER - US005			-	-	*0.000*	-	-	-	-	-	-	-	-	*1.210*	-	-	-	-	-	*1.210*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**26.557**	**-**	**-**	**-**	**-**	**-**	**26.557**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** NATO SEASPARROW

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) EQUIPMENT MODERNIZATION - US005																				
1.1) OBJECTIVE CONFIGURATION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MK 132 (MID-LIFE UPGRADE)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MK 9 IMPROVEMENTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) LHD UPGRADE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) EQUIPMENT MODERNIZATION - US005			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) STALKER - US005																				
2.1) STALKER PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) STALKER - US005			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** RAM GMLS (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) UR006 RAM MK-49 GMLS (2)																				
1.1) UR006 RAM MK-49 GMLS Support	A		-	-	-	-	-	-	-	-	-	-	-	0.156	-	-	-	-	-	0.156
Subtotal: 1) UR006 RAM MK-49 GMLS			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.156*	-	-	-	-	-	*0.156*
2) UR901 Systems Improvements (3)																				
2.1) UR901 System Improvement	A		-	-	-	-	-	-	-	-	-	-	-	3.700	-	-	-	-	-	3.700
Subtotal: 2) UR901 Systems Improvements			-	-	*0.000*	-	-	-	-	-	-	-	-	*3.700*	-	-	-	-	-	*3.700*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.856**	**-**	**-**	**-**	**-**	**-**	**3.856**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** RAM GMLS (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) UR006 RAM MK-49 GMLS (2)																				
1.1) UR006 RAM MK-49 GMLS Support	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) UR006 RAM MK-49 GMLS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) UR901 Systems Improvements (3)																				
2.1) UR901 System Improvement	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) UR901 Systems Improvements			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(1) NSWC Port Hueneme provides installation oversight support as the In-Service Engineering Activity (ISEA) for the RAM GMLS system.

(2) These funds provide for GMLS production support, systems engineering, logistics, SCDs, ECPs, and ship drawings for ORDALT instructions. RAM ECP funds in FY15-FY17 are for the Ethernet upgrade which provides replacement of the Legacy FDDI Combat System interface with an Ethernet Combat System interface. The Ethernet interface is required for the RAM launcher to operate the SSDS MK Capstone Combat System. This upgrade will allow RAM to operate on LHD class ships that have been upgraded with Capstone SSDS MK2 Combat Systems. LHD self defense will suffer without RAM integration as these ships will be unable to fire either RAM Block 1 or RAM Block 2 missiles.

(3) Provides for procurement and installation of critical RAM system improvement and safety ORDALTs

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Ship Self Defense System (4)

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) Ship Self Defense System (SSDS)																				
1.1) UQ002 - SSDS Production Support	A		-	-	-	-	-	-	-	-	-	-	-	1.679	-	-	-	-	-	1.679
1.2) UQ003 - SSDS ECP / SCD	A		-	-	-	-	-	-	-	-	-	-	-	0.192	-	-	-	-	-	0.192
1.3) UQ004 - SSDS Training	A		-	-	-	-	-	-	-	-	-	-	-	0.701	-	-	-	-	-	0.701
1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits	A		-	-	-	-	-	-	-	-	-	-	-	2.272	-	-	-	-	-	2.272
Subtotal: 1) Ship Self Defense System (SSDS)			-	-	*0.000*	-	-	-	-	-	-	-	-	*4.844*	-	-	-	-	-	*4.844*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**4.844**	**-**	**-**	**-**	**-**	**-**	**4.844**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Ship Self Defense System (4)

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) Ship Self Defense System (SSDS)																				
1.1) UQ002 - SSDS Production Support	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) UQ003 - SSDS ECP / SCD	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) UQ004 - SSDS Training	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Ship Self Defense System (SSDS)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(4) UQ002 - Production Engineering support for SSDS hardware. [P40A - 3 (SSDS) / UQ003 - Engineering Change Proposal (ECP) and Ship Change Document (SCD) for SSDS hardware. [P40A - 3 (SSDS) / UQ004 - Training Documentation Changes for SSDS hardware. [P40A - 3 (SSDS) / UQ005A - COTS Engineering / Obsolescence Kits for SSDS hardware. [P3A - 3 (SSDS) / UQ005B - Procurement and installation of SSDS Open Architecture Computing Environment (OACE) COTS conversion Kits for CVN, LHD, LPD, and LSD class ships and shore sites.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** AEGIS Support Equipment (5)

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) Aegis Support Equipment																				
1.1) L7001 - Depot Special Tooling/Test Equipment	A		-	-	-	-	-	-	-	-	-	-	-	4.085	-	-	-	-	-	4.085
1.2) L7003 - Integrated Warfare Systems Laboratory (6)	A		-	-	-	-	-	-	-	-	-	-	-	1.317	-	-	-	-	-	1.317
1.3) L7006 - Surface Combat Systems Center Equipment (7)	A		-	-	-	-	-	-	-	-	-	-	-	19.834	-	-	-	-	-	19.834
1.4) L7007 - Aegis Training & Readiness Center	A		-	-	-	-	-	-	-	-	-	-	-	2.089	-	-	-	-	-	2.089
1.5) L7007 Aegis Readiness Training Center Upgrade (8)	A		-	-	-	-	-	-	-	-	-	-	-	17.297	-	-	-	-	-	17.297
1.6) L7011 - Aegis Weapon System Ship Change Procurement (9)	A		-	-	-	-	-	-	-	-	-	-	-	14.213	-	-	-	-	-	14.213
1.7) L7027 - Computer Program Software Licenses	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) L7600 - Aegis Support Equipment Installation (10)	A		-	-	-	-	-	-	-	-	-	-	-	8.757	-	-	-	-	-	8.757
Subtotal: 1) Aegis Support Equipment			-	-	*0.000*	-	-	-	-	-	-	-	-	*67.592*	-	-	-	-	-	*67.592*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**67.592**	**-**	**-**	**-**	**-**	**-**	**67.592**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** AEGIS Support Equipment (5)

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) Aegis Support Equipment																				
1.1) L7001 - Depot Special Tooling/Test Equipment	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) L7003 - Integrated Warfare Systems Laboratory (6)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) L7006 - Surface Combat Systems Center Equipment (7)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) L7007 - Aegis Training & Readiness Center	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) L7007 Aegis Readiness Training Center Upgrade (8)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) L7011 - Aegis Weapon System Ship Change Procurement (9)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.7) L7027 - Computer Program Software Licenses	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) L7600 - Aegis Support Equipment Installation (10)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Aegis Support Equipment			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(5) Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements. Combat System Procurements: L7001: Special Tools & Test Equipment L7003: Computers, Displays, and Simulators for Integrated Warfare Systems Laboratory (IWSL) at Dahlgren, VA L7006: Weapon/Combat System Equipment for Surface Combat System Center (SCSC) at Wallops Island, VA L7007: Weapon/Combat System Equipment for AEGIS Readiness Training Center (ATRC) at Dahlgren, VA L7011: AEGIS Weapon System Procurements to support Ship Change Documents L7027: AEGIS Software License Procurements to support Shore Facilities and In-Service Ship L7600: AEGIS Installation support for approved ship changes

(6) Plan to eliminate Integrated Warfare System Laboratory (IWSL) in FY15

(7) FY15 to FY16 Increase is to meet AEGIS TI-16 Combat System Hardware suite procurement timeline following OPNAV ACB16 requirements validation, and support AEGIS ACB16 fleet certification requirements, fleet training exercises, and introduction at the Land-Based Test Sites.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** AEGIS Support Equipment (5)

(8) FY15 through FY16 Increase to procure AEGIS TI-16 Hardware to support AEGIS ACB16 technician and operator training requirements and fleet introduction.

(9) FY15 to FY16 increased to resolve higher number of ORDALTS required to address Fleet COTS DMS issues on Fielded AEGIS Weapon System.

(10) FY15 through FY16 increase to support the installation and checkout of AEGIS BL 7.2 Switch and SPY Sidewall Capacitors on DDG 91-103.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Vertical Launch 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Vertical Launch Systems																				
1.1) VLS ORDALTS	A		-	-	-	-	-	-	-	-	-	-	-	0.469	-	-	-	-	-	0.469
1.2) VLS PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	0.205	-	-	-	-	-	0.205
Subtotal: 1) Vertical Launch Systems			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.674*	-	-	-	-	-	*0.674*
2) 5A5IN Install Equipment N86 (11)																				
2.1) 5A5IN Install Equipment N86	A		-	-	-	-	-	-	-	-	-	-	-	0.054	-	-	-	-	-	0.054
Subtotal: 2) 5A5IN Install Equipment N86			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.054*	-	-	-	-	-	*0.054*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.728**	**-**	**-**	**-**	**-**	**-**	**0.728**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Vertical Launch Systems

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) Vertical Launch Systems																				
1.1) VLS ORDALTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) VLS PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Vertical Launch Systems			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 5A5IN Install Equipment N86 (11)																				
2.1) 5A5IN Install Equipment N86	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5A5IN Install Equipment N86			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(11) VLS ORDALT Installation

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Maritime Integrated Planning System - MIPS

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) 5B001 - EQUIPMENT (12)																				
1.1) EQUIPMENT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 5B001 - EQUIPMENT			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 5B830 - PRODUCTION ENGINEERING (13)																				
2.1) PRODUCTION ENGINEERING	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5B830 - PRODUCTION ENGINEERING			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 5BINS - NON-FMP INSTALLATION (14)																				
3.1) NON-FMP INSTALLATOIN	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5BINS - NON-FMP INSTALLATION			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** Maritime Integrated Planning System - MIPS

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) 5B001 - EQUIPMENT (12)																				
1.1) EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 5B001 - EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 5B830 - PRODUCTION ENGINEERING (13)																				
2.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5B830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 5BINS - NON-FMP INSTALLATION (14)																				
3.1) NON-FMP INSTALLATOIN	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5BINS - NON-FMP INSTALLATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(12) These funds are for the procurement of MIPS technology refresh hardware and software for ship and shore based installations.

(13) The funds are for production engineering support for MIPS hardware and software.

(14) These funds are for installation of Non-Shipboard MIPS hardware at various Land Based locations.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** ANTI SHIP MISSILE DECOY SYSTEM (15)

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) VV002 - NULKA DECOYS																				
1.1) NULKA DECOYS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) VV002 - NULKA DECOYS			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) VV830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VV830 - PRODUCTION ENGINEERING			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) VV832 - DLF-3B DECOYS																				
3.1) VV832 DLF-3B DECOYS	A		-	-	-	-	-	-	-	-	-	296,875.00	24	7.125	-	-	-	296,875.00	24	7.125
Subtotal: 3) VV832 - DLF-3B DECOYS			-	-	*0.000*	-	-	-	-	-	-	-	-	*7.125*	-	-	-	-	-	*7.125*
4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT																				
4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	0.780	-	-	-	-	-	0.780
Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.780*	-	-	-	-	-	*0.780*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7.905**	**-**	**-**	**-**	**-**	**-**	**7.905**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Aggregated Items Title:** ANTI SHIP MISSILE DECOY SYSTEM (15)

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) VV002 - NULKA DECOYS																				
1.1) NULKA DECOYS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) VV002 - NULKA DECOYS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) VV830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VV830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) VV832 - DLF-3B DECOYS																				
3.1) VV832 DLF-3B DECOYS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) VV832 - DLF-3B DECOYS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT																				
4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(15) VV001: Procurement of MK 53 Decoy Launching Systems. VV002: Procurement of MK 234 NULKA Decoys. VV003: Engineering Changes and Logistics Support - Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required. VV830: Production Engineering support to the MK 234 NULKA Decoy. VV831: Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, 2 spare decoys, and 1 control panel. VV832: Procurement of DLF-3B Decoys/Spares. VV833: Logistics and Production support for DLF-3B systems. Equipment Installation: Funding is for the installation of NULKA Decoy Systems, Fleet Modernization Program installs, and installation of equipment at shore facilities.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 1 / NATO Seasparrow

Resource Summary	Prior Years	FY 2013	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	-	-	-	-	-	21.532	3.393	22.719	3.605	12.802	64.051
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	21.532	3.393	22.719	3.605	12.802	64.051
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**21.532**	**3.393**	**22.719**	**3.605**	**12.802**	**64.051**
(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:

[TRANSMITTER UPGRADE (SSTX)] The MK 91 NATO SEASPARROW Re-Architecture Program will integrate NSSMS into SSDS MK 2 architecture to provide an additional layer of ship missile defense. The upgrade will eliminate the analog point to point architecture and other deficiencies resident to the existing MK 57 NSSMS, as well as allow for full exploitation of ESSM. In addition to the reduction in manning realized by RNSSMS, the SSTx Ordnance Alteration (ORDALT) will reduce NSSMS Cost of Ownership for the fleet. The FY13 funding allocation on the SSTx funding line is earmarked to support Mk9 improvements/modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. The funding will be used to procure 1 set of Mk9 improvements/modernization related qualification hardware and associated engineering efforts. In contrast, the SSTx funding shown for FY14 and out will be used to procure production SSTx units.
Production lead time for SSTx upgrade kits is 24 months. Once completed the kits are sent to Raytheon Technical Services Company (RTSC) where existing cabinets are overhauled/upgraded. This process takes another 12 months. Total time to produce an upgraded SSTx is 36 months.

[ESSM ORDALT] The objective of this ORDALT is a cost-effective solution to protect CVNs IAW the Navy's Maritime Force Protection (MFP) program for ships self defense against the future threat of evolving ASCMs. The Navy's MFP plan calls for these platforms to carry ESSM) to provide the required Probability of Raid Annihilation (PRA). The ESSM ORDALT to the GMLS MK 29 provides a low cost modification to the current trainable launcher. In conjunction with ESSM, this modification will meet performance requirements for all cited ship classes through the mid-term scenario as defined in the CAPSTONE requirements and the 1999 Report to Congress.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 1 / NATO Seasparrow
Models of Systems Affected: MK 57	**Modification Type:** NSSMs Mod 12 (Pg 11-13)/ Objective Configuration (OC)	**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: NATO Seasparrow												
A Kits												
Non-Recurring												
1.1.1) TRANSMITTER UPGRADE (SSTX) - NonOrganic (16)	- / -	- / -	- / -	- / -	- / -	- / -	2 / 7.836	- / -	2 / 8.279	- / -	- / -	4 / 16.115
1.1.2) INTEGRATED RADAR PROCESSOR (IRP) - Organic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.381	- / -	2 / 2.516	- / -	- / -	4 / 4.897
1.1.3) TEST SUPPORT - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	- / -	- / 0.034	- / -	- / 0.038	- / 0.102
1.1.4) COTS OBSOLESCENCE - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.297	- / -	- / 0.315	- / -	- / 0.354	- / 0.966
1.1.5) ECP'S - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	- / -	- / 0.034	- / -	- / 0.038	- / 0.102
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 10.574*	*- / -*	*- / 11.178*	*- / -*	*- / 0.430*	*- / 22.182*
B Kits												
Non-Recurring												
2.1.1) ESSM ORDALT - NonOrganic (17)	- / -	- / -	2 / -	- / -	- / -	- / -	2 / 2.598	- / -	2 / 2.745	- / -	- / -	6 / 5.343
2.1.2) SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic - Organic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.401	- / -	2 / 2.537	- / -	- / -	4 / 4.938
2.1.3) TEST SUPPORT - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.030	- / -	- / 0.034	- / -	- / 0.038	- / 0.102
2.1.4) ECP'S - Organic	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.260	- / -	- / 0.280	- / -	- / 0.316	- / 0.856
Subtotal: Non-Recurring	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 5.289*	*- / -*	*- / 5.596*	*- / -*	*- / 0.354*	*- / 11.239*
Subtotal: NATO Seasparrow	*- / -*	*- / -*	*2 / -*	*- / -*	*- / -*	*- / -*	*8 / 15.863*	*- / -*	*8 / 16.774*	*- / -*	*- / 0.784*	*18 / 33.421*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 15.863*	*- / -*	*- / 16.774*	*- / -*	*- / 0.784*	*- / 33.421*
Support *(All Modification Items)*												
3.1) ESSM ORDALT Support	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.928	- / -	- / 0.955	- / -	- / 0.572	- / 2.455
4.1) MK 57 NATO SEASPARROW	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.447	- / -	- / 1.490	- / -	- / 0.632	- / 3.569
Subtotal: Support	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.375*	*- / -*	*- / 2.445*	*- / -*	*- / 1.204*	*- / 6.024*
Installation												
Modification Item 1 of 1: NATO Seasparrow	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 3.294	- / 3.393	- / 3.500	- / 3.605	- / 10.814	- / 24.606
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.294*	*- / 3.393*	*- / 3.500*	*- / 3.605*	*- / 10.814*	*- / 24.606*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**-**	**-**	**-**	**21.532**	**3.393**	**22.719**	**3.605**	**12.802**	**64.051**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 1 / NATO Seasparrow

Modification Item 1 of 1: NATO Seasparrow

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon (18)	Manufacturer Location: >Ports,RI
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 24

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

Installation Information

Method of Implementation: ToDo: Get Group Method [iControl]grp:1 : Installation Name: ToDo: Get Group Title [iControl]grp: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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.093	- / -	2 / 2.105	- / -	2 / 4.198
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.209	2 / 4.209
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.093	- / -	2 / 2.105	2 / 4.209	4 / 8.407

Installation Schedule

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

Method of Implementation: ToDo: Get Group Method [iControl]grp:2 : Installation Name: ToDo: Get Group Title [iControl]grp:2

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

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 1 / NATO Seasparrow

Modification Item 1 of 1: NATO Seasparrow

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: ToDo: Get Group Method [iControl]grp:2 : Installation Name: ToDo: Get Group Title [iControl]grp:2

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.294	- / 1.300	1 / 3.500	1 / 1.500	- / -	2 / 9.594
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.605	2 / 6.605
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.294	- / 1.300	1 / 3.500	1 / 1.500	2 / 6.605	4 / 16.199

Installation Schedule

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

Method of Implementation (Organic): Organic - INTEGRATED RADAR PROCESSOR (IRP) — **Installation Quantity:** 4

Method of Implementation (Organic): Organic - SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic — **Installation Quantity:** 4

Footnotes:

(16) 1 set of Mk9 improvements/modernization related qualification hardware and associated engineering efforts will be procured in FY 13 but will not be installed shipboard. The Transmitter group consists of 2 transmitters and 2 IRPs. Production lead time for IRPs is 17 months and 36 months for the transmitters, which included 24 months production time for the kits and 12 months to install the kits. Shipboard installation will be completed at the end of the 36 month period. SSTXs are currently installed on three of the six LHD 1 Class ships. These ships only require a IRP, SLC and ESSM ORDALT.

(17) The ESSM group consists of 2 ESSM Ordalts and 2 System Launcher/Controllers (SLCs). The ESSM Group will be installed with the Transmitter group as one system for installations in FY 17, FY 19 and FY 21.

(18) Delivered transmitters kits are sent to RTSC where existing cabinets are overhauled/upgraded with transmitter production kits. This process takes another 12 months until available for install in ship. Total time to produce an upgraded SSTx is 36 months.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 2 / UR006 RAM MK-49 GMLS ORDALTS

Resource Summary	Prior Years	FY 2013	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	-	-	0.517	-	0.517	1.203	1.249	1.190	1.213	-	5.372
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	0.517	-	0.517	1.203	1.249	1.190	1.213	-	5.372
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**0.517**	**-**	**0.517**	**1.203**	**1.249**	**1.190**	**1.213**	**-**	**5.372**
(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 Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS), is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to S-143-type German patrol boats. This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

Procurement and installation of RAM MK-49 GMLS critical ORDALTS on CVN, LSD, LPD, LHA, and LCS class ships.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 2 / UR006 RAM MK-49 GMLS ORDALTS
Models of Systems Affected: MK-49 GMLS	Modification Type: NON-FMP Install	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: UR006 RAM MK-49 GMLS ORDALTS												
B Kits												
Recurring												
1.1.1) UR006 RAM MK-49 GMLS ORDALTS - Organic	- / -	- / -	- / -	2 / 0.517	- / -	2 / 0.517	4 / 1.203	4 / 1.249	4 / 1.190	4 / 1.213	- / -	18 / 5.372
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 0.517*	*- / -*	*- / 0.517*	*- / 1.203*	*- / 1.249*	*- / 1.190*	*- / 1.213*	*- / -*	*- / 5.372*
Subtotal: UR006 RAM MK-49 GMLS ORDALTS	*- / -*	*- / -*	*- / -*	*2 / 0.517*	*- / -*	*2 / 0.517*	*4 / 1.203*	*4 / 1.249*	*4 / 1.190*	*4 / 1.213*	*- / -*	*18 / 5.372*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 0.517*	*- / -*	*- / 0.517*	*- / 1.203*	*- / 1.249*	*- / 1.190*	*- / 1.213*	*- / -*	*- / 5.372*
Installation												
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**0.517**	**-**	**0.517**	**1.203**	**1.249**	**1.190**	**1.213**	**-**	**5.372**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 2 / UR006 RAM MK-49 GMLS ORDALTS

Modification Item 1 of 1: UR006 RAM MK-49 GMLS ORDALTS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Co	Manufacturer Location: >Tucson AZA
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							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Not Installed - UR006 RAM MK-49 GMLS ORDALTS	**Installation Quantity:** 18

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 3 / UQ005B - SSDS COTS 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	25.919	-	25.919	58.555	54.919	54.828	55.904	-	250.125
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	25.919	-	25.919	58.555	54.919	54.828	55.904	-	250.125
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**25.919**	**-**	**25.919**	**58.555**	**54.919**	**54.828**	**55.904**	**-**	**250.125**
(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:

SSDS MK 2 and SSDS MK 1 Commercial Off The Shelf (COTS) obsolescence technology refresh kits are funded in FY13-FY19. This P-1 line item supports several variations of COTS based systems used within the combat system. FY13-FY19 COTS Conversion Kits are planned for CVNs, LPDs, LHDs, and LSDs, and COTS Upgrade Kits are planned for the Self Defense Test Ship (SDTS) and the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture Computing Environment (OACE) standards to facilitate use of commercial software and reuse of application software. FY13-FY15 kits are based on a Technology Insertion-12 (TI-12) configuration. FY16-FY19 are based on a TI-16 configuration. The budget cost estimate for the kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits are included in the footnotes in this exhibit P3A (for UQ005B).

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION 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: UQ005B - SSDS COTS CONVERSION KITS												
B Kits												
Recurring												
1.1.1) UQ5IN FMP SHIP UNITS - NonOrganic (19)	- / -	- / -	4 / -	1 / 13.357	- / -	1 / 13.357	2 / 22.269	3 / 29.815	4 / 27.898	3 / 31.684	1 / -	18 / 125.023
1.1.2) UQ6IN NON FMP SHORE SITES - NonOrganic	- / -	- / -	2 / -	2 / 1.765	- / -	2 / 1.765	4 / 11.394	3 / 6.207	3 / 5.353	2 / 4.758	- / -	16 / 29.477
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 15.122*	*- / -*	*- / 15.122*	*- / 33.663*	*- / 36.022*	*- / 33.251*	*- / 36.442*	*- / -*	*- / 154.500*
Subtotal: UQ005B - SSDS COTS CONVERSION KITS	*- / -*	*- / -*	*6 / -*	*3 / 15.122*	*- / -*	*3 / 15.122*	*6 / 33.663*	*6 / 36.022*	*7 / 33.251*	*5 / 36.442*	*1 / -*	*34 / 154.500*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 15.122*	*- / -*	*- / 15.122*	*- / 33.663*	*- / 36.022*	*- / 33.251*	*- / 36.442*	*- / -*	*- / 154.500*
Installation												
Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS	- / 0.000	- / -	- / -	- / 10.797	- / -	- / 10.797	- / 24.892	- / 18.897	- / 21.577	- / 19.462	- / -	- / 95.625
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 10.797*	*- / -*	*- / 10.797*	*- / 24.892*	*- / 18.897*	*- / 21.577*	*- / 19.462*	*- / -*	*- / 95.625*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**25.919**	**-**	**25.919**	**58.555**	**54.919**	**54.828**	**55.904**	**-**	**250.125**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION KITS

Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: TBD (Competitive Procurement)	Manufacturer Location: >TBD (Competitive Procurement)
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 15

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

Installation Information

Method of Implementation: ToDo: Get Group Method [iControl]grp:1 : Installation Name: ToDo: Get Group Title [iControl]grp: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	- / -	- / -	- / -	1 / 5.398	- / -	1 / 5.398	3 / 9.064	- / -	- / -	- / -	- / -	4 / 14.462
FY 2015	- / -	- / -	- / -	- / 2.376	- / -	- / 2.376	1 / 8.986	- / -	- / -	- / -	- / -	1 / 11.362
FY 2016	- / -	- / -	- / -	- / 1.873	- / -	- / 1.873	- / 3.477	2 / 12.256	- / -	- / -	- / -	2 / 17.606
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.465	- / 4.099	3 / 15.771	- / -	- / -	3 / 21.335
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.284	4 / 11.642	- / -	4 / 13.926
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.515	- / 4.239	3 / -	3 / 5.754
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.541	1 / -	1 / 1.541
Total	- / -	- / -	- / -	1 / 9.647	- / -	1 / 9.647	4 / 22.992	2 / 16.355	3 / 19.570	4 / 17.422	4 / -	18 / 85.986

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-	1	-	1	1	-	-	2	-	1	1	2	4	18
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	2	1	1	-	1	-	1	1	-	-	2	-	1	1	6	18

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION KITS

Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Method : Installation Name: UQ6IN NON FMP SHORE 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	- / -	- / -	- / -	2 / 0.650	- / -	2 / 0.650	- / -	- / -	- / -	- / -	- / -	2 / 0.650
FY 2015	- / -	- / -	- / -	- / 0.500	- / -	- / 0.500	2 / 0.500	- / -	- / -	- / -	- / -	2 / 1.000
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.400	4 / 1.942	- / -	- / -	- / -	4 / 3.342
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600	3 / 1.257	- / -	- / -	3 / 1.857
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.750	3 / 1.340	- / -	3 / 2.090
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.700	2 / -	2 / 0.700
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	2 / 1.150	- / -	2 / 1.150	2 / 1.900	4 / 2.542	3 / 2.007	3 / 2.040	2 / -	16 / 9.639

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	2	1	-	-	2	1	2	16
Out	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	-	-	-	2	2	-	-	2	1	-	-	2	3	16

Footnotes:

(19) For FY15, competitive build to print production contracts for unique SSDS equipment are planned.

The cost for the ship and shore site kits vary depending on the specific ship class (CVN, LPD, LSD, LHA, and LHD), the specific shore site and the existing configuration of the ship/site involved. The costs for each kit are listed below. SSDS kit funding is provided to various contractors and field activities. Production leadtime for kits ranges from 9 months (for equipment COTS upgrade kits) to 15 months for system COTS conversion kits for ships and shore sites.

SSDS FY15 unit costs are: $13,357K for (1) LHD COTS Conversion Kit for ACDS replacement, $882K for (1) Dahlgren Shore Site Upgrade Kit for ICSTF, $883K for (1) Wallops Island Upgrade Kit Total Cost for 3 units in FY15 (UQ005B) is $15,122K.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 4 / 5A118 MTCP EQUIVALENT OF 4293

Resource Summary	Prior Years	FY 2013	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	-	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:
Vertical Launch Systems (VLS) Upgrades have been cancelled on SSNs in FY14-17.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 4 / 5A118 MTCP EQUIVALENT OF 4293
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: N/A												
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 4 / 5A118 MTCP EQUIVALENT OF 4293

Modification Item 1 of 1: N/A

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
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 (Organic): Support Only Installation	**Installation Quantity:** 0

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 5 / 5A118 4292 FAIRING BLOCK 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	-	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:
This alteration modifies the VLS fairing to Muzzle Hatch connecting links, fairing lock bar cylinder and lock bar components with predominantly off-shelf hardware to provide increased accuracy of adjustment and eliminate potential binding and interference areas.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 5 / 5A118 4292 FAIRING BLOCK UPGRADE
Models of Systems Affected: [No Model Specified]	**Modification Type:** [No Modification Type Specified]	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: N/A												
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 5 / 5A118 4292 FAIRING BLOCK UPGRADE

Modification Item 1 of 1: N/A

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
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 (Organic): Support Only Installation	**Installation Quantity:** 0

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 6 / 5A118 SHIPALT MATERIAL HALL 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This alteration replaces internal glass-body electromechanical reed switches with an electronic Hall Effect switch actuated by a single pole magnetic field to provide ease of manufacture, eliminate magnet rotational positioning of present magnets, and allow use of higher reliability magnets better suited to the environment.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 6 / 5A118 SHIPALT MATERIAL HALL SWITCH
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: N/A												
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 6 / 5A118 SHIPALT MATERIAL HALL SWITCH

Modification Item 1 of 1: N/A

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
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 (Organic): Support Only Installation	**Installation Quantity:** 0

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 7 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Resource Summary	Prior Years	FY 2013	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	-	-	-	-	-	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:
10 shore-based units will be procured and one unit will be used to conduct required EQT testing. The EQT shore-based unit will not be installed after testing. There are no fleet modernization program (FMP) installation costs associated with the 10 shore-based units because those installations will be performed at the shore-based sites.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 7 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)
Models of Systems Affected: 5B001 MIPS Procurement	**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: N/A												
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	0.000	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 7 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Modification Item 1 of 1: N/A

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
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 (Organic): Support Only Installation	**Installation Quantity:** 0

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 8 / VV001 NULKA 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	9.194	-	9.194	6.214	6.314	6.516	6.703	11.085	46.026
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	9.194	-	9.194	6.214	6.314	6.516	6.703	11.085	46.026
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**9.194**	**-**	**9.194**	**6.214**	**6.314**	**6.516**	**6.703**	**11.085**	**46.026**
(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:

Remarks: Total prior year installation QTY (97) differs from procurement QTY (99) due to two sets are shore site installations.

[NULKA SYSTEMS] Program funds the procurement and installation of the MK53 NULKA System.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 8 / VV001 NULKA SYSTEMS
Models of Systems Affected: MK 53 DLS	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: VV001 NULKA SYSTEMS												
B Kits												
Recurring												
1.1.1) NULKA SYSTEMS - NonOrganic	- / -	1 / -	1 / -	1 / 1.200	- / -	1 / 1.200	1 / 1.300	1 / 1.300	1 / 1.400	1 / 1.417	1 / 2.800	8 / 9.417
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 1.200*	*- / -*	*- / 1.200*	*- / 1.300*	*- / 1.300*	*- / 1.400*	*- / 1.417*	*- / 2.800*	*- / 9.417*
Subtotal: VV001 NULKA SYSTEMS	*- / -*	*1 / -*	*1 / -*	*1 / 1.200*	*- / -*	*1 / 1.200*	*1 / 1.300*	*1 / 1.300*	*1 / 1.400*	*1 / 1.417*	*1 / 2.800*	*8 / 9.417*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 1.200*	*- / -*	*- / 1.200*	*- / 1.300*	*- / 1.300*	*- / 1.400*	*- / 1.417*	*- / 2.800*	*- / 9.417*
Installation												
Modification Item 1 of 1: VV001 NULKA SYSTEMS	- / 0.000	- / -	- / -	- / 7.994	- / -	- / 7.994	- / 4.914	- / 5.014	- / 5.116	- / 5.286	- / 8.285	- / 36.609
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 7.994*	*- / -*	*- / 7.994*	*- / 4.914*	*- / 5.014*	*- / 5.116*	*- / 5.286*	*- / 8.285*	*- / 36.609*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**9.194**	**-**	**9.194**	**6.214**	**6.314**	**6.516**	**6.703**	**11.085**	**46.026**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 8 / VV001 NULKA SYSTEMS

Modification Item 1 of 1: VV001 NULKA SYSTEMS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SECHAN	Manufacturer Location: >LITITZ, 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			Nov 2014	Nov 2015	Nov 2016	Nov 2017	Nov 2018
Delivery Dates			Jan 2016	Jan 2017	Jan 2018	Jan 2019	Jan 2020

Installation Information

Method of Implementation: AIT : Installation Name: NULKA 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	1 / 3.221	- / -	1 / 3.221	- / -	- / -	- / -	- / -	- / -	1 / 3.221
FY 2014	- / -	- / -	- / -	1 / 3.276	- / -	1 / 3.276	- / -	- / -	- / -	- / -	- / -	1 / 3.276
FY 2015	- / -	- / -	- / -	- / 1.014	- / -	- / 1.014	1 / 3.372	- / -	- / -	- / -	- / -	1 / 4.386
FY 2016	- / -	- / -	- / -	- / 0.483	- / -	- / 0.483	- / 1.051	1 / 3.472	- / -	- / -	- / -	1 / 5.006
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.491	- / 1.051	1 / 3.574	- / -	- / -	1 / 5.116
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.491	- / 1.051	1 / 3.685	- / -	1 / 5.227
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.491	- / 1.051	1 / 3.685	1 / 5.227
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.550	1 / 4.600	1 / 5.150
Total	- / -	- / -	- / -	2 / 7.994	- / -	2 / 7.994	1 / 4.914	1 / 5.014	1 / 5.116	1 / 5.286	2 / 8.285	8 / 36.609

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	8
Out	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	1	-	-	-	1	-	-	1	-	-	-	3	8

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 9 / VV003 ENGINEERING CHANGES AND LOGISTICS 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	3.238	-	3.238	4.245	4.500	4.571	4.610	-	21.164
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	3.238	-	3.238	4.245	4.500	4.571	4.610	-	21.164
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**3.238**	**-**	**3.238**	**4.245**	**4.500**	**4.571**	**4.610**	**-**	**21.164**
(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:

[DLS ORDALT KITS] Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 9 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT
Models of Systems Affected: DLS/EMC ORDALT KITS	**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: N/A												
Subtotal: N/A	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: Procurement, All Modification Items	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Support *(All Modification Items)*												
2.1) ENGINEERING CHANGES	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.305	- / 1.350	- / 1.405	- / 1.422	- / -	- / 5.482
2.2) LOGISTICS/PRODUCTION SUPPORT	- / -	- / -	- / -	- / 3.238	- / -	- / 3.238	- / 2.940	- / 3.150	- / 3.166	- / 3.188	- / -	- / 15.682
Subtotal: Support	- / *0.000*	- / -	- / -	- / *3.238*	- / -	- / *3.238*	- / *4.245*	- / *4.500*	- / *4.571*	- / *4.610*	- / -	- / *21.164*
Installation												
Subtotal: Installation	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**3.238**	**-**	**3.238**	**4.245**	**4.500**	**4.571**	**4.610**	**-**	**21.164**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 9 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT

Modification Item 1 of 1: N/A

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: N/A	Manufacturer Location: N/A
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 (Organic): Support Only Installation	**Installation Quantity:** 0

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5231 / Ship Missile Support Equipment	Modification Number / Title: 10 / VV831 - DLF-3B 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	15.419	-	15.419	1.895	2.205	-	-	-	19.519
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	15.419	-	15.419	1.895	2.205	-	-	-	19.519
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**15.419**	**-**	**15.419**	**1.895**	**2.205**	**-**	**-**	**-**	**19.519**
(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:
[DLF-3B SYSTEMS] Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, and 1 control panel.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 10 / VV831 - DLF-3B SYSTEMS
Models of Systems Affected: DLF-3B DECOY SYSTEMS	**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: VV831 - DLF-3B SYSTEMS												
B Kits												
Non-Recurring												
1.1.1) DLF-3B SYSTEMS - NonOrganic	- / -	- / -	11 / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	11 / -
Subtotal: Non-Recurring	- / *0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: VV831 - DLF-3B SYSTEMS	- / -	- / -	*11* / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*11* / -
Subtotal: Procurement, All Modification Items	- / *0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS	- / 0.000	- / -	- / -	- / 15.419	- / -	- / 15.419	- / 1.895	- / 2.205	- / -	- / -	- / -	- / 19.519
Subtotal: Installation	- / *0.000*	- / -	- / -	- / *15.419*	- / -	- / *15.419*	- / *1.895*	- / *2.205*	- / -	- / -	- / -	- / *19.519*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**15.419**	**-**	**15.419**	**1.895**	**2.205**	**-**	**-**	**-**	**19.519**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5231 / Ship Missile Support Equipment	**Modification Number / Title:** 10 / VV831 - DLF-3B SYSTEMS

Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Airborne Systems	Manufacturer Location: >United Kingdom
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: DLF-3B 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	9 / 15.419	- / -	9 / 15.419	1 / 1.895	1 / 2.205	- / -	- / -	- / -	11 / 19.519
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	9 / 15.419	- / -	9 / 15.419	1 / 1.895	1 / 2.205	- / -	- / -	- / -	11 / 19.519

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	11
Out	-	-	-	-	-	-	-	-	-	-	1	3	1	4	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	11

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0604756N

Resource Summary	Prior Years	FY 2013	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)*	138.577	8.227	58.368	-	-	-	-	-	-	-	-	205.172
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	138.577	8.227	58.368	-	-	-	-	-	-	-	-	205.172
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**138.577**	**8.227**	**58.368**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**205.172**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	1.394	-	-	-	-	-	-	-	-	1.394
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 NATO SEASPARROW Surface Missile System (NSSMS) is a shipboard missile System. In addition to the standard mission of Anti-Air and Anti-Surface Defense (AAW, ASUW), NSSMS is designed to protect ship and crew from a variety of inbound threats, including Anti-Ship Cruise Missiles (ASCM), Fast Attack Craft/Fast Inshore Attack (FAC/FIAC), Low Velocity Air Threats (LVAT), and a wide range of asymmetrical threats (e.g. Unmanned Aerial and Surface vehicles, small Rigid Hull Inflatable Boats, etc.).

Primary operations consist of acquiring targets either manually using radar search or Electro Optic/Infrared capability, or automatically via external or internal designations, generation of fire-control quality track data for engage ability determination, launcher control and missile initialization, queuing of other weapons (e.g. Rolling Airframe Missile) via the Ship Self Defense System (SSDS) or AN/SWY 3/5 Combat System, Rim-7H/M/P SEASPARROW missile and RIM-162D Evolved SEASPARROW Missile (ESSM) firing, target illumination for Missile Guidance and Visual Kill/Survive and Battle Damage Assessments.

LHD Upgrade consists of upgrading the MK 29 Launcher to modernize the system on the LHD 8 from a NSSMS MK 57 Mod 10 to a Mod 12.

STALKER Long Range Electro-Optic Sensor System is a modular, portable and form/fit replacement for the MK 6 Low Light Level Television (LLLTV) mounted on NSSMS radar director (stabilized platform) providing 360 degree coverage satisfying ROE. It is able to detect, classify, ID, & assist in intent determination supporting "24/7" NAV, INTEL & AT/FP in addition to SUW, AAW and ASMD.

NSSMS Objective Configuration Phase 2 (OCP2) program consists of segmenting the MK 9 Track Illuminator System (TIS) to interface directly with the SSDS Combat System, as well eliminating all MK 57 watch stations. This watch station elimination dramatically reduces system life cycle costs for hardware, software, manning, training and maintenance and obsolescence requirements, also allowing the Navy to divest of RIM-7 and associated infrastructure.

Equipment procurements that support both the NSSMS MK57 Mod 12 and OCP2 consists of the Transmitter Upgrade (SSTX) and ESSM ORDALT. Included in the procurements are the Integrated Radar Processor (IRP) and System Launcher Controller (SLC). Mk57 NSSMS has been updated over time to keep pace with the evolving Fleet threats. The NSSMS Mk57 Mod (14) replaces the legacy NSSMS Mk57 Mod 2 aboard LHDs 1-6, which includes replacing RIM 7 with ESSM. This NSSMS update, along with the SSDS Mk2 MOD (3C) replacement of the Advanced Combat Direction System (ACDS), provides a significant improvement self defense capability for LHDs (CAPSTONE upgrade).

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements: 0604756N	

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)
NATO SEASPARROW	P-40a		-	-	7.946	-	-	0.337	-	-	41.262	-	-	-	-	-	-	-	-	-
P-3a - 1 / NSSMS MK 57	P-3a		-	-	130.631	-	-	7.890	-	-	17.106	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**138.577**	**-**	**-**	**8.227**	**-**	**-**	**58.368**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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)
NATO SEASPARROW	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / NSSMS MK 57	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	155.627
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**205.172**

*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:
Funding for the NATO SEASPARROW program has been moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Aggregated Items Title:** NATO SEASPARROW

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) EQUIPMENT MODERNIZATION - US005																				
1.1) OBJECTIVE CONFIGURATION ENGINEERING	A		-	-	-	-	-	-	-	-	6.000	-	-	-	-	-	-	-	-	-
1.2) MK 132 (MID-LIFE UPGRADE)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) PRODUCTION SUPPORT	A		-	-	0.896	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MK 9 IMPROVEMENTS	A		-	-	2.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) LHD UPGRADE	A		-	-	4.200	-	-	0.337	-	-	12.298	-	-	-	-	-	-	-	-	-
Subtotal: 1) EQUIPMENT MODERNIZATION - US005			-	-	*7.896*	-	-	*0.337*	-	-	*18.298*	-	-	-	-	-	-	-	-	-
2) STALKER - US005																				
2.1) STALKER	A		-	-	-	-	-	-	1,361K	13	17.694	-	-	-	-	-	-	-	-	-
2.2) ISS SPARE HARDWARE [(1)]	A		-	-	-	-	-	-	-	-	3.610	-	-	-	-	-	-	-	-	-
2.3) STALKER PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	1.660	-	-	-	-	-	-	-	-	-
Subtotal: 2) STALKER - US005			-	-	*0.000*	-	-	-	-	-	*22.964*	-	-	-	-	-	-	-	-	-
3) WAXX ACQUISITION WORKFORCE FUND 2009																				
3.1) ACQUISITION WORKFORCE FUND	A		-	-	0.050	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) WAXX ACQUISITION WORKFORCE FUND 2009			-	-	*0.050*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**7.946**	**-**	**-**	**0.337**	**-**	**-**	**41.262**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Aggregated Items Title:** NATO SEASPARROW

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) EQUIPMENT MODERNIZATION - US005																				
1.1) OBJECTIVE CONFIGURATION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) MK 132 (MID-LIFE UPGRADE)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) MK 9 IMPROVEMENTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) LHD UPGRADE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) EQUIPMENT MODERNIZATION - US005			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) STALKER - US005																				
2.1) STALKER	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) ISS SPARE HARDWARE (1)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) STALKER PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) STALKER - US005			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) WAXX ACQUISITION WORKFORCE FUND 2009																				
3.1) ACQUISITION WORKFORCE FUND	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) WAXX ACQUISITION WORKFORCE FUND 2009			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(1) Cost element procures spare hardware to support Stalkers

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5237 / NATO Seasparrow	Modification Number / Title: 1 / NSSMS MK 57

Resource Summary	Prior Years	FY 2013	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)*	130.631	7.890	17.106	-	-	-	-	-	-	-	-	155.627
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	130.631	7.890	17.106	-	-	-	-	-	-	-	-	155.627
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**130.631**	**7.890**	**17.106**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**155.627**
(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:

[TRANSMITTER UPGRADE (SSTX)] The MK 91 NATO SEASPARROW Re-Architecture Program will integrate NSSMS into SSDS MK 2 architecture to provide an additional layer of ship missile defense. The upgrade will eliminate the analog point to point architecture and other deficiencies resident to the existing MK 57 NSSMS, as well as allow for full exploitation of ESSM. In addition to the reduction in manning realized by RNSSMS, the SSTx Ordnance Alteration (ORDALT) will reduce NSSMS Cost of Ownership for the fleet. The FY13 funding allocation on the SSTx funding line will support Mk9 improvements/ modernization being driven by the FY12 SSDS combat system wholeness FRB/FLCIP initiate. Production lead time for SSTx upgrade kits is 24 months. Once completed the kits are sent to Raytheon Technical Services Company (RTSC) where existing cabinets are overhauled/upgraded. This process takes another 12 months. Total time to produce an upgraded SSTx is 36 months.

[ESSM ORDALT] The objective of this ORDALT is a cost-effective solution to protect CVNs IAW the Navy's Maritime Force Protection (MFP) program for ships self defense against the future threat of evolving ASCMs. The Navy's MFP plan calls for these platforms to carry ESSM) to provide the required Probability of Raid Annihilation (PRA). The ESSM ORDALT to the GMLS MK 29 provides a low cost modification to the current trainable launcher. In conjunction with ESSM, this modification will meet performance requirements for all cited ship classes through the mid-term scenario as defined in the CAPSTONE requirements and the 1999 Report to Congress.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Modification Number / Title:** 1 / NSSMS MK 57
Models of Systems Affected: NSSMS MK57	**Modification Type:** NSSMS MK 57 Mod 10 to Mod 12 / Objective Configuration Phase 2 (OCP2)	**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: NSSMS MK 57												
A Kits												
Non-Recurring												
1.1.1) TRANSMITTER UPGRADE (SSTX) - Organic [2]	4 / 7.104	1 / 6.307	2 / 7.392	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	7 / 20.803
1.1.2) INTEGRATED RADAR PROCESSOR (IRP) - Organic	4 / 6.400	- / -	2 / 2.246	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 8.646
1.1.3) MK 91 UPGRADE MOD 10/11/12/13 - Organic	- / 8.676	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 8.676
1.1.4) TEST SUPPORT - Organic	- / 1.479	- / 0.025	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.529
1.1.5) COTS OBSOLESCENCE - Organic	- / 2.605	- / 0.257	- / 0.201	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.063
1.1.6) ECP'S - Organic	- / 9.224	- / 0.050	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 9.299
Subtotal: Non-Recurring	*- / 35.488*	*- / 6.639*	*- / 9.889*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 52.016*
B Kits												
Non-Recurring												
2.1.1) ESSM ORDALT - NonOrganic [3]	8 / 7.464	- / -	2 / 2.451	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 9.915
2.1.2) SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic - Organic	4 / 9.999	- / -	2 / 2.265	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 12.264
2.1.3) TEST SUPPORT - Organic	- / 0.350	- / 0.025	- / 0.025	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400
2.1.4) ECP'S - Organic	- / 2.132	- / 0.225	- / 0.236	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.593
2.1.5) MK 29 ORDALT INSTALL - Organic	- / 13.864	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 13.864
2.1.6) TRAINING - Organic	- / 2.047	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.047
Subtotal: Non-Recurring	*- / 35.856*	*- / 0.250*	*- / 4.977*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 41.083*
Subtotal: NSSMS MK 57	*20 / 71.344*	*1 / 6.889*	*8 / 14.866*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*29 / 93.099*
Subtotal: Procurement, All Modification Items	*- / 71.344*	*- / 6.889*	*- / 14.866*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 93.099*
Support *(All Modification Items)*												
3.1) ESSM ORDALT Support	- / 4.776	- / -	- / 0.875	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 5.651
4.1) MK 57 NATO SEASPARROW	- / 36.185	- / 0.352	- / 1.365	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 37.902
Subtotal: Support	*- / 40.961*	*- / 0.352*	*- / 2.240*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 43.553*
Installation												
Modification Item 1 of 1: NSSMS MK 57	- / 18.326	- / 0.649	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 18.975
Subtotal: Installation	*- / 18.326*	*- / 0.649*	*- / -*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 18.975*
Total												

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Modification Number / Title:** 1 / NSSMS MK 57
Models of Systems Affected: NSSMS MK57	**Modification Type:** NSSMS MK 57 Mod 10 to Mod 12 / Objective Configuration Phase 2 (OCP2)	**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)*
Total Cost (Procurement + Support + Installation)	**130.631**	**7.890**	**17.106**	-	-	-	-	-	-	-	-	**155.627**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Modification Number / Title:** 1 / NSSMS MK 57

Modification Item 1 of 1: NSSMS MK 57

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon (4)	Manufacturer Location: >Ports,RI
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 21

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

Installation Information

Method of Implementation: ToDo: Get Group Method [iControl]grp:2 : Installation Name: ToDo: Get Group Title [iControl]grp:2

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 18.326	2 / 0.649	- / -	2 / 0.000	- / 0.000	2 / 0.000	- / -	- / -	- / -	- / -	- / -	8 / 18.975
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 18.326	2 / 0.649	- / -	2 / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	8 / 18.975

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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 (Organic): Not Installed - TRANSMITTER UPGRADE (SSTX) — **Installation Quantity:** 7

Method of Implementation (Organic): Organic - INTEGRATED RADAR PROCESSOR (IRP) — **Installation Quantity:** 6

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5237 / NATO Seasparrow	**Modification Number / Title:** 1 / NSSMS MK 57

Modification Item 1 of 1: NSSMS MK 57

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation (Organic): Organic - SYSTEM LAUNCHER/CONTROLLER (SLC) - NonOrganic	**Installation Quantity:** 6

Footnotes:

(2) 1 set of Mk9 improvements/modernization related qualification hardware and associated engineering efforts will be procured in FY 13 but will not be installed shipboard. The Transmitter group consists of 2 transmitters and 2 IRPs. Production lead time for IRPs is 17 months and 36 months for the transmitters, which included 24 months production time for the kits and 12 months to install the kits. Shipboard installation will be completed at the end of the 36 month period. SSTXs are currently installed on three of the six LHD 1 Class ships. These ships only require a IRP, SLC and ESSM ORDALT.

(3) The ESSM group consists of 2 ESSM Ordalts and 2 System Launcher/Controllers (SLCs). The ESSM Group will be installed with the Transmitter group as one system for installations in FY 17, FY 19 and FY 21.

(4) Delivered transmitters kits are sent to RTSC where existing cabinets are overhauled/upgraded with transmitter production kits. This process takes another 12 months until available for install in ship. Total time to produce an upgraded SSTx is 36 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 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5238 / RAM GMLS

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)*	663.983	1.074	0.491	-	-	-	-	-	-	-	-	665.548
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	663.983	1.074	0.491	-	-	-	-	-	-	-	-	665.548
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**663.983**	**1.074**	**0.491**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**665.548**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Rolling Airframe Missile (RAM) - MK-49 Guided Missile Launching System (GMLS): RAM is a cooperative project with the Federal Republic of Germany, produced under a series of production MOUs/MOAs (the latest was signed on 19 March 2013) executed between the U.S. and the Federal Republic of Germany.

The MK-31 Guided Missile Weapon System (GMWS) is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 GMLS, which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms ranging from large USN aircraft carriers to S-143 type German patrol boats. This system is designed to counter high density, anti-ship cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

[P40A / UR006 RAM MK-49 GMLS]: Provides for the annual/multi-year procurement of RAM MK-49 Launchers, 11-Round Launchers, and ECPs.

[P40A / UR006 RAM MK-49 GMLS Ethernet Interface Upgrade]: RAM ECP funds the Ethernet upgrade which provides replacement of the Legacy FDDI Combat System interface with an Ethernet Combat System interface. The Ethernet interface is required for the RAM launcher to operate the SSDS MK Capstone Combat System. This upgrade will allow RAM to operate on LHD class ships that have been upgraded with Capstone SSDS MK2 Combat Systems. LHD self defense will suffer without RAM integration as these ships will be unable to fire either RAM Block 1 or RAM Block 2 missiles.

[P40A / UR007 RAM GMLS Production Support]: Provides for GMLS production support. FY12 and FY13 Production support funds include efforts to ensure Ethernet interface availability to support SSDS Lite (LHD 1) Installation. FY14 provides production support, systems engineering, logistics, SCDs, and ship drawings for ORDALT instructions.

[P40A / UR777 RAM Engineering Services Contractor]: Provides for systems engineering, design agent services, and integration.

[P40A / UR900 RAM - CSS]: Provides for engineering and professional support services.

[P40A / URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)]: Provides for Congressional Add for RAM Mk 49 Mod 3 Launcher Obsolescence/Affordability in FY10.

[P40A / WAXXX Acquisition Workforce Fund - 2009]: Acquistion Workforce Fund

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5238 / RAM GMLS

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

[P40A / UR5IN Install of Equipment (FMP)]: Provides for installation of RAM GMLS MK-49 Launchers.

[P40A / UR901 Systems Improvement]: Provides for procurement and installation of critical RAM system improvement and safety ORDALTs

[P3A / UR006 RAM MK-49 GMLS ORDALTS]: Procurement of RAM MK-49 GMLS ORDALTS. ORDALT procurement are to accomodate Amphibious AAW Self-Defense Probability of Raid Annihilation (Pra) Improvements. Without these improvements the RAM Systems will only be able to be fired in Manual Mode.

[P3A - 2 / UR6IN NON-FMP Install]: Cost code is for the MK-49 GMLS ORDALT installations. ORDALT installations are to accomodate Amphibious AAW Self-Defense Probability of Raid Annihilation (Pra) Improvements. Without these improvements the RAM System will only be able to be fired in Manual Mode

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)
RAM GMLS	P-40a		-	-	617.145	-	-	0.568	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / UR006 RAM MK-49 GMLS ORDALTS	P-3a		-	-	46.838	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / UR6IN NON-FMP Install	P-3a		-	-	0.000	-	-	0.506	-	-	0.491	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**663.983**	**-**	**-**	**1.074**	**-**	**-**	**0.491**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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)
RAM GMLS	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / UR006 RAM MK-49 GMLS ORDALTS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	46.838
P-3a - 2 / UR6IN NON-FMP Install	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.997
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**665.548**

*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:
Funding for the RAM GMLS program has been moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Aggregated Items Title: RAM GMLS

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) UR006 RAM MK-49 GMLS																				
1.1) UR006 RAM MK-49 GMLS Annual Procurement	A		-	-	274.239	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) UR006 RAM MK-49 GMLS Multiyear	A		-	-	67.160	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) UR006 RAM MK-49 GMLS 11 Round	A		-	-	5.543	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) UR006 RAM MK-49 GMLS Ethernet Interface Upgrade	A		-	-	48.159	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) UR006 RAM MK-49 GMLS			-	-	*395.101*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) UR007 RAM GMLS Production Support																				
2.1) UR007 Production Support	A		-	-	66.169	-	-	0.568	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) UR007 RAM GMLS Production Support			-	-	*66.169*	-	-	*0.568*	-	-	-	-	-	-	-	-	-	-	-	-
3) UR777 RAM Engineering Services Contractor																				
3.1) UR777 Engineering Services (Contractor)	A		-	-	49.842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) UR777 RAM Engineering Services Contractor			-	-	*49.842*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) UR900 RAM - CSS																				
4.1) UR900 RAM - CSS	A		-	-	13.441	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) UR900 RAM - CSS			-	-	*13.441*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)																				
5.1) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)	A		-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)			-	-	*1.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) WAXXX Acquisition Workforce Fund - 2009																				
6.1) WAXXX Acquisition Workforce Fund - 2009	A		-	-	0.072	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5238 / RAM GMLS	**Aggregated Items Title:** RAM GMLS

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: 6) WAXXX Acquisition Workforce Fund - 2009			-	-	*0.072*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) UR5IN Install of Equipment (FMP)																				
7.1) UR5IN Install of Equipment (FMP)	A		-	-	91.520	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) UR5IN Install of Equipment (FMP)			-	-	*91.520*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) UR901 Systems Improvement																				
8.1) UR901 Systems Improvement	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) UR901 Systems Improvement			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**617.145**	**-**	**-**	**0.568**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Aggregated Items Title: RAM GMLS

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) UR006 RAM MK-49 GMLS																				
1.1) UR006 RAM MK-49 GMLS Annual Procurement	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) UR006 RAM MK-49 GMLS Multiyear	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) UR006 RAM MK-49 GMLS 11 Round	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) UR006 RAM MK-49 GMLS Ethernet Interface Upgrade	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) UR006 RAM MK-49 GMLS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) UR007 RAM GMLS Production Support																				
2.1) UR007 Production Support	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) UR007 RAM GMLS Production Support			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) UR777 RAM Engineering Services Contractor																				
3.1) UR777 Engineering Services (Contractor)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) UR777 RAM Engineering Services Contractor			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) UR900 RAM - CSS																				
4.1) UR900 RAM - CSS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) UR900 RAM - CSS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)																				
5.1) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) URCA3 RAM MK-49 MOD 3 Launcher (Congressional Add)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) WAXXX Acquisition Workforce Fund - 2009																				
6.1) WAXXX Acquisition Workforce Fund - 2009	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Aggregated Items Title: RAM GMLS

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)
Subtotal: 6) WAXXX Acquisition Workforce Fund - 2009			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) UR5IN Install of Equipment (FMP)																				
7.1) UR5IN Install of Equipment (FMP)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) UR5IN Install of Equipment (FMP)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) UR901 Systems Improvement																				
8.1) UR901 Systems Improvement	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) UR901 Systems Improvement			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Modification Number / Title: 1 / UR006 RAM MK-49 GMLS ORDALTS

Resource Summary	Prior Years	FY 2013	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)*	46.838	-	-	-	-	-	-	-	-	-	-	46.838
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	46.838	-	-	-	-	-	-	-	-	-	-	46.838
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**46.838**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**46.838**
(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 Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS), is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to S-143-type German patrol boats. This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5238 / RAM GMLS	**Modification Number / Title:** 1 / UR006 RAM MK-49 GMLS ORDALTS
Models of Systems Affected: RAM GMLS ORDALTS RAM MK-49 GMLS	**Modification Type:** Shipyard/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: UR006 RAM MK-49 GMLS ORDALTS												
B Kits												
Recurring												
1.1.1) UR006 RAM MK-49 GMLS ORDALTS - NonOrganic	59 / 43.087	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	59 / 43.087
Subtotal: Recurring	*- / 43.087*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 43.087*
Subtotal: UR006 RAM MK-49 GMLS ORDALTS	*59 / 43.087*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*59 / 43.087*
Subtotal: Procurement, All Modification Items	*- / 43.087*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 43.087*
Installation												
Modification Item 1 of 1: UR006 RAM MK-49 GMLS ORDALTS	- / 3.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.751
Subtotal: Installation	*- / 3.751*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 3.751*
Total												
Total Cost (Procurement + Support + Installation)	**46.838**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**46.838**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5238 / RAM GMLS	**Modification Number / Title:** 1 / UR006 RAM MK-49 GMLS ORDALTS

Modification Item 1 of 1: UR006 RAM MK-49 GMLS ORDALTS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Co	Manufacturer Location: >Tucson AZA
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							
Delivery Dates							

Installation Information

Method of Implementation: Shipyard/AIT : Installation Name: UR006 RAM MK-49 GMLS ORDALTS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 3.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 3.751
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	41 / 3.751	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	41 / 3.751

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41
Out	41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	41

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Modification Number / Title: 2 / UR6IN NON-FMP Install

Resource Summary	Prior Years	FY 2013	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	0.506	0.491	-	-	-	-	-	-	-	-	0.997
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	0.506	0.491	-	-	-	-	-	-	-	-	0.997
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**0.506**	**0.491**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.997**
(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 Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Rolling Airframe Missile is a lightweight, quick-reaction, high firepower missile system designed to provide anti-ship missile defense. The system (MK-31 GMWS), is comprised of a MK-44 Guided Missile Round Pack (GMRP) and the MK-49 Guided Missile Launching System (GMLS), which holds 21 RAM missiles. The 21-round launcher is compatible with various platforms, ranging from large USN amphibious assault ships to S-143-type German patrol boats. This system is designed to counter high density anti-ship, cruise missile raids and provide for ship survivability with accurate terminal guidance, proven lethality and no fire control channel dependence.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5238 / RAM GMLS	Modification Number / Title: 2 / UR6IN NON-FMP Install
Models of Systems Affected: MK-49 GMLS	Modification Type: NON-FMP Install	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: UR6IN NON-FMP Install												
B Kits												
Recurring												
1.1.1) UR6IN NON-FMP Installs - Organic	- / -	2 / 0.506	2 / 0.491	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 0.997
Subtotal: Recurring	*- / 0.000*	*- / 0.506*	*- / 0.491*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.997*
Subtotal: UR6IN NON-FMP Install	*- / -*	*2 / 0.506*	*2 / 0.491*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*4 / 0.997*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / 0.506*	*- / 0.491*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.997*
Installation												
Subtotal: Installation	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**0.506**	**0.491**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**0.997**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5238 / RAM GMLS	**Modification Number / Title:** 2 / UR6IN NON-FMP Install

Modification Item 1 of 1: UR6IN NON-FMP Install

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Co	Manufacturer Location: >Tucson AZA
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							
Delivery Dates							

Installation Information

Method of Implementation (Organic): Not Installed - UR6IN NON-FMP Installs	**Installation Quantity:** 4

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204413N, 0604370N, 0603582N, 0604755N

Resource Summary	Prior Years	FY 2013	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)*	557.698	52.875	51.858	-	-	-	-	-	-	-	-	662.431
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	557.698	52.875	51.858	-	-	-	-	-	-	-	-	662.431
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**557.698**	**52.875**	**51.858**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**662.431**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.354	1.395	-	-	-	-	-	-	-	-	2.749
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 Ship Self Defense System (SSDS) is the core combat system control element for the Quick Reaction Combat Capability (QRCC) in aircraft carriers and amphibious assault ships to defend against Anti-Ship Cruise Missiles (ASCM). SSDS integrates a diverse set of fire control loop sensors and weapons, and C4I systems for each ship class (CVN68/78, LHA6, LHD1, LPD17, and LSD41/49 ship classes). SSDS MK2 provides the capabilities for integrated air and missile defense, multi-warfare situational awareness, combat direction, and joint interoperability via the Cooperative Engagement Capability (CEC) and Tactical Data Information Link (TADIL)-J. SSDS MK2 is being fielded with the new construction carriers (CVN78 class) and amphibious ships (LHA6, LPD17 classes). SSDS MK2 is replacing the Advanced Combat Direction System (ACDS) in the LHD1 class, and SSDS MK1 in the LSD 41/49 class, as fleet modernization initiatives.

SSDS MK2 integrates new combat system warfighting capabilities and improvements on phased basis via Advanced Capability Builds (ACB), Technology Insertion (TI), the Fire Control Loop Improvement Project (FCLIP), and Accelerated Mid-Term Interoperability Improvement Project (AMIIP). New hardware Technology Insertion baselines are required every four years to refresh the Commercial-Off-The-Shelf (COTS) assemblies to sustain system production and to support the incorporation of new ACB capabilities. Each individual ship is planned for a Technology Insertion upgrade on an eight year interval to replace obsolescent COTS hardware and support the fielding of the ACB capabilities.

SHIP SELF DEFENSE SYSTEM (SSDS) MK 1
Provides ship self defense capabilities against Anti-Ship Cruise Missiles (ASCM) for LSD 41/49 class ships. It integrates several existing stand-alone sensor and Anti-Air Warfare weapons systems to provide an automated detectto-
engage capability against low flying, high speed ASCMs with low radar cross sections in the littoral environment. System design emphasizes physically distributed non-developmental items, commercial standards and computer
program reuse in an open system architecture computer network. It includes a command table that uses components of the Navy's AN/UYQ-70 standard display for human-system interface, commercially available local area network
access units and circuit cards, and commercially available fiber optic cabling. SSDS MK 1 requires a COTS obsolescence technology refresh and transitioned to an SSDS MK2 Open Architecture Computing Environment (OACE)
beginning with FY10 procurement for shore sites.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements: 0204413N, 0604370N, 0603582N, 0604755N

SHIP SELF DEFENSE SYSTEM (SSDS) MK 2 Provides Advance Combat Direction System (ACDS) functionality and SSDS MK1 capabilities with additional weapon and sensor elements. It is integrated with Cooperative Engagement Capability (CEC) and tactical data links to provide joint interoperability for Aircraft Carriers and Amphibious Ships. It provides enhanced capabilities for Force Protection against air, surface, and subsurface threats using both own-ship and remote data in support of the Anti Air Warfare (AAW) Capstone Requirements. SSDS MK2 increases operational capabilities, improves combat readiness and Strike Group and Expeditionary Strike Group interoperability. SSDS MK 2 equips back-fit LHDs and CV(N)s with an upgraded Combat System Display Suite which includes AN/UYQ-70s, Automatic Status Board (ASTABS), Remote ASTAB Controllers, peripheral control stations and Advanced Sensor Distribution System (ASDS), as well as, the SSDS MK 2 computing equipment. Prior year procurement of SSDS MK 2 equipment included shore-based SSDS MK 2 equipment and full combat system suites for the Ship Combat System Center (SCSC), Wallops Island, Virginia; maintenance and operator training equipment at the Center for Surface Combat Systems (CSCS), Dam Neck, Virginia; and an equipment suite for the Self Defense Test Ship (SDTS). COTS obsolescence technology refresh kits are funded for SSDS MK 2 and SSDS MK 1 in FY13-FY14. This P-1 line item supports various Commercial Off The Shelf (COTS) based systems used within the combat system. FY13-FY14 COTS Conversion Kits are planned for CVNs, LPDs, LHDs, and LSDs, and COTS Upgrade Kits are planned for the Self Defense Test Ship (SDTS) and the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture computing environment standards to facilitate software reuse. FY13-FY14 kits are based on a Technology Insertion-12 (TI-12) configuration. LHD1 has been designated for upgrade from ACDS Block 1 to SSDS MK2 in FY13 based on reuse of existing SSDS/ACDS assets, including ACDS assets from a decommissioned ship. FY11 includes field change kits to upgrade the ACDS assets. FY11, FY12, and FY13 includes installation funds for the LHD1. FY12 -14 includes the procurement and installation of SSDS MK2 Mod 6C and support equipment for shore sites for CVN78 class testing and training. FY12 includes the procurement of equipment for SCSC Wallops Island for SSDS MK2 Mod 6C Combat System Integration and Certification Testing. FY13 includes the procurement of equipment for SSDS MK2 Mod 6C maintenance and operator training. Starting in FY14, the Integrated Combat System Test Facility, at Naval Surface Warfare Center Dahlgren, is designated as an SSDS MK2 test facility for SSDS MK2/Combat System Certification testing. FY14 includes COTS Conversion Kits, equipment upgrade kits and support equipment for this facility. The budget cost estimate for the kits varies depends on the specific ship class (CVNs, LPDs, LSDs, LHAs, and LHDs), the existing configuration of the ship or shore site. The cost estimates for individual COTS conversion kits are included in the remarks of exhibit P3A (for UQ005B).

AMPHIBIOUS ASSAULT DIRECTION SYSTEM (AADS) OR AN/KSQ-1 As directed by the National Security Agency as a Congressional mandate, Crypto Modernization Program funds in FY11-FY13 will be used to upgrade the system's Crypto Key Generator (CKG) from the currently used KOK-13 to the KOK-23. Integrates Enhanced PLRS (EPLRS) with NAVSTAR Global Position System (GPS) via a Global Position to form a jam/intercept resistant, command and control system which supports the surface assault ship-to-shore movement in amphibious operations. An airborne relay group extends the system range over the horizon to 100 nautical miles. By computing Position Location Information (PLI) for each participant in the EPLRS network, AADS provides the capability, in near real-time to locate, identify, track, communicate with and control all craft, vehicles and personnel in the network during operations both afloat and ashore.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

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)
Ship Self Defense System	P-40a		-	-	114.280	-	-	7.581	-	-	4.565	-	-	-	-	-	-	-	-	-
P-3a - 1 / AADS FMP Install	P-3a		-	-	1.596	-	-	0.391	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / UQ001 - SSDS Full Ship System Suite/Displays	P-3a		-	-	248.867	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / UQ005B - SSDS COTS CONVERSION KITS	P-3a		-	-	192.955	-	-	44.903	-	-	47.293	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**557.698**	**-**	**-**	**52.875**	**-**	**-**	**51.858**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements: 0204413N, 0604370N, 0603582N, 0604755N	

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)
Ship Self Defense System	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / AADS FMP Install	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.987
P-3a - 2 / UQ001 - SSDS Full Ship System Suite/Displays	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	248.867
P-3a - 3 / UQ005B - SSDS COTS CONVERSION KITS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	285.151
Total Gross/Weapon System Cost			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	**662.431**

*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:
Ship Self Defense System provides CVNs, LPDs, LHDs, LHA6 and LSD class ships with greater capability to defend against Anti-Ship Cruise Missiles (ASCM), multi-warfare combat direction capabilities and strike group interoperability via CEC and TADIL-J.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Aggregated Items Title:** Ship Self Defense 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) Ship Self Defense System																				
1.1) UQ002 - SSDS Production Support	A		-	-	50.039	-	-	2.318	-	-	1.646	-	-	-	-	-	-	-	-	-
1.2) UQ003 - SSDS ECP	A		-	-	4.587	-	-	0.260	-	-	0.188	-	-	-	-	-	-	-	-	-
1.3) UQ004 - SSDS Training	A		-	-	20.023	-	-	0.978	-	-	0.687	-	-	-	-	-	-	-	-	-
1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits	A		-	-	37.634	-	-	4.025	-	-	2.044	-	-	-	-	-	-	-	-	-
1.5) UQ010 - AADS	A		142,642.86	14	1.997	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Ship Self Defense System			-	-	*114.280*	-	-	*7.581*	-	-	*4.565*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**114.280**	**-**	**-**	**7.581**	**-**	**-**	**4.565**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Aggregated Items Title:** Ship Self Defense 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) Ship Self Defense System																				
1.1) UQ002 - SSDS Production Support	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) UQ003 - SSDS ECP	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) UQ004 - SSDS Training	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) UQ005A - SSDS COTS Eng/ Obsolescence Kits	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) UQ010 - AADS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Ship Self Defense System			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5239 / Ship Self Defense System	Modification Number / Title: 1 / AADS FMP Install

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	1.596	0.391	-	-	-	-	-	-	-	-	-	1.987
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	1.596	0.391	-	-	-	-	-	-	-	-	-	1.987
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**1.596**	**0.391**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.987**
(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:

Effort to procure, install, and upgrade the AADS Crypto Upgrade Kits.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 1 / AADS FMP Install
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: AADS FMP Install												
B Kits												
Recurring												
1.1.1) UQ8IN - AADS UPGRADE KITS - NonOrganic	14 / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / -
Subtotal: Recurring	*- / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Subtotal: AADS FMP Install	*14 / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*14 / -*
Subtotal: Procurement, All Modification Items	*- / 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Installation												
Modification Item 1 of 1: AADS FMP Install	- / 1.596	- / 0.391	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.987
Subtotal: Installation	*- / 1.596*	*- / 0.391*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 1.987*
Total												
Total Cost (Procurement + Support + Installation)	**1.596**	**0.391**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.987**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 1 / AADS FMP Install

Modification Item 1 of 1: AADS FMP Install

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: UQ8IN - AADS 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	12 / 1.596	2 / 0.391	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.987
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	12 / 1.596	2 / 0.391	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 1.987

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	12	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 2 / UQ001 - SSDS Full Ship System Suite/Displays

Resource Summary	Prior Years	FY 2013	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)*	248.867	-	-	-	-	-	-	-	-	-	-	248.867
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	248.867	-	-	-	-	-	-	-	-	-	-	248.867
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**248.867**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**248.867**
(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:

SSDS MK 2 implements an evolutionary acquisition of improved ship self defense capabilities against Anti-Ship Cruise Missiles for selected Carrier/Amphibious ships by integrating existing programmed Anti-Air Warfare stand alone systems. It provides an automated reaction and multi-target engagement capability emphasizing performance in the littoral environment. Integration focuses on providing capabilities for coordinating existing sensor information, providing threat identification and evaluation, assessing defensive readiness, and recommending optimized defensive tactical response to counter single and multiple Anti-Ship Cruise Missile attacks and battle for interoperability via CEC and tactical data links.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 2 / UQ001 - SSDS Full Ship System Suite/Displays

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: UQ001 - SSDS Full Ship System Suite/Displays												
B Kits												
Recurring												
1.1.1) Full Ship System Suite/Displays (CVN) - NonOrganic	6 / 65.599	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 65.599
1.1.2) Other Full Suite Displays - NonOrganic	18 / 113.562	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 113.562
Subtotal: Recurring	*- / 179.161*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 179.161*
Subtotal: UQ001 - SSDS Full Ship System Suite/ Displays	*24 / 179.161*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*24 / 179.161*
Subtotal: Procurement, All Modification Items	*- / 179.161*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 179.161*
Installation												
Modification Item 1 of 1: UQ001 - SSDS Full Ship System Suite/Displays	- / 69.706	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 69.706
Subtotal: Installation	*- / 69.706*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 69.706*
Total												
Total Cost (Procurement + Support + Installation)	**248.867**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**248.867**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 2 / UQ001 - SSDS Full Ship System Suite/Displays

Modification Item 1 of 1: UQ001 - SSDS Full Ship System Suite/Displays

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: New MFG - Name	Manufacturer Location: >New MFG - Loc
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation Information

Method of Implementation: AIT : Installation Name: Full Ship System Suite/Displays (CVN)

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 20.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 20.806
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 20.806	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 20.806

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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
Out	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 2 / UQ001 - SSDS Full Ship System Suite/Displays

Modification Item 1 of 1: UQ001 - SSDS Full Ship System Suite/Displays

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: [none specified] : Installation Name: Other Full Suite Displays

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 48.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 48.900
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	18 / 48.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 48.900

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	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18
Out	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 3 / UQ005B - SSDS COTS 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	192.955	44.903	47.293	-	-	-	-	-	-	-	-	285.151
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	192.955	44.903	47.293	-	-	-	-	-	-	-	-	285.151
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**192.955**	**44.903**	**47.293**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**285.151**
(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:

SSDS MK 2 and SSDS MK 1 Commercial Off The Shelf (COTS) obsolescence technology refresh kits are funded in FY13-FY14. This P-1 line item supports several variations of COTS based systems used within the combat system. FY13-FY14 COTS Conversion Kits are planned for CVNs, LPDs, and LSDs, and COTS Upgrade Kits are planned for the Self Defense Test Ship (SDTS) and the shore sites used for SSDS software development/maintenance, training, and Combat System integration and certification testing. The COTS Tech Refresh conversion kits will support Navy Open Architecture Computing Environment (OACE) standards to facilitate use of commercial software and reuse of application software. FY13-FY14 kits are based on a Technology Insertion-12 (TI-12) configuration.

Commencing in FY15, LI 5239 was consolidated under LI 5231 in FY15 and out.

[UQ5IN FMP SHIP UNITS] FY unit cost details provided below:
SSDS FY13 unit costs are:
$15,888K for (2) LSD COTS Conversion Kit,
$7,944K for (1) SDTS LSD COTS Conversion Kit,
$516K for (1) CVN PCS Upgrade Kit,
$1,170K for (1) CVN Q-70 Upgrade Kit,
$1,412K for (1) Shore Site Maintenance Trainer (SSDS MK2 Mod 1C),
$4,538K for (1) Shore Site Maintenance Trainer (SSDS MK2 Mod 6C), and
$4,046K for (1) Design Agent Upgrade Kit (SSDS MK2 MOD1C).

Total Cost for 8 units in FY13 (UQ005B) is $35,514K. Average unit cost is $4,439K per unit. SSDS FY13 Conversion kit funding is provided to various contractors and field activities. Raytheon is the prime contractor for the SSDS Network Switching Cabinets, which have the longest production lead time.

SSDS FY14 unit costs are:
$22,119K for (3) LSD COTS Conversion Kits,
$5,961K for (1) LPD COTS Conversion Kit,
$1,380K for (1) Dahlgren Shore Site Upgrade Kit - ICSTF,

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION KITS

$244K for (1) Wallops Island Upgrade Kit.

Total Cost for 6 units in FY14 (UQ005B) is $29,704K. Average unit cost is $4,951K per unit. SSDS FY14 Conversion kit funding is provided to various contractors and field activities. For FY14, the network switching cabinet has been redesigned to include information assurance boundary defense devices. This equipment will be procured on a competitive build-to-print contract.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION 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: UQ005B - SSDS COTS CONVERSION KITS												
B Kits												
Recurring												
1.1.1) UQ5IN FMP SHIP UNITS - NonOrganic [(1)]	18 / 86.642	5 / 25.518	4 / 28.080	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 140.240
1.1.2) UQ6IN NON FMP SHORE SITES - NonOrganic	9 / 56.278	3 / 9.996	2 / 1.624	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	14 / 67.898
Subtotal: Recurring	*- / 142.920*	*- / 35.514*	*- / 29.704*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 208.138*
Subtotal: UQ005B - SSDS COTS CONVERSION KITS	*27 / 142.920*	*8 / 35.514*	*6 / 29.704*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*41 / 208.138*
Subtotal: Procurement, All Modification Items	*- / 142.920*	*- / 35.514*	*- / 29.704*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 208.138*
Installation												
Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS	- / 50.035	- / 9.389	- / 17.589	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 77.013
Subtotal: Installation	*- / 50.035*	*- / 9.389*	*- / 17.589*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 77.013*
Total												
Total Cost (Procurement + Support + Installation)	**192.955**	**44.903**	**47.293**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**285.151**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION KITS

Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Raytheon Co. (FY13 for Network Switching Cabinet), TBD (FY14 Competitive) (2)	Manufacturer Location: >San Diego, Ca. (FY13 for Network Switching Cabinet), TBD for FY14 (Competitive)
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 15

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

Installation Information

Method of Implementation: Method : Installation Name: UQ5IN 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	14 / 26.720	4 / 6.208	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	18 / 32.928
FY 2013	- / -	- / 0.983	5 / 12.177	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 13.160
FY 2014	- / -	- / -	- / 3.099	1 / -	- / -	1 / -	3 / -	- / -	- / -	- / -	- / -	4 / 3.099
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	14 / 26.720	4 / 7.191	5 / 15.276	1 / -	- / -	1 / -	3 / -	- / -	- / -	- / -	- / -	27 / 49.187

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	4	-	-	1	4	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	27
Out	13	1	-	-	-	4	-	-	1	4	-	-	-	1	-	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	27

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5239 / Ship Self Defense System	**Modification Number / Title:** 3 / UQ005B - SSDS COTS CONVERSION KITS

Modification Item 1 of 1: UQ005B - SSDS COTS CONVERSION KITS

Modification Item MDAP/MAIS Code:

Installation Information

Method of Implementation: Method : Installation Name: UQ6IN NON FMP SHORE 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	6 / 23.315	3 / 1.798	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 25.113
FY 2013	- / -	- / 0.400	3 / 1.900	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 2.300
FY 2014	- / -	- / -	- / 0.413	2 / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	2 / 0.413
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	6 / 23.315	3 / 2.198	3 / 2.313	2 / -	- / -	2 / -	- / -	- / -	- / -	- / -	- / -	14 / 27.826

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	-	-	1	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14
Out	5	1	-	-	1	2	-	-	1	2	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14

Footnotes:

(1) The cost for the ship and shore site kits vary depending on the specific ship class (CVN, LPD, LSD, LHA, and LHD), the specific shore site and the existing configuration of the ship/site involved. See the P-3A Description for specific details.

(2) For FY13, Long lead material contract was awarded for the procurement of network switching cabinet to support the installation required delivery date. For FY14, competitive build to print production contracts for unique SSDS equipment are planned.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5246 / AEGIS Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0204221N, 0204228N, 0204225N	Other Related Program Elements: 0604307N, 0604501N, 0604574N

Resource Summary	Prior Years	FY 2013	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)*	760.215	74.527	59.757	-	-	-	-	-	-	-	-	894.499
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	760.215	74.527	59.757	-	-	-	-	-	-	-	-	894.499
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**760.215**	**74.527**	**59.757**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**894.499**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	6.057	6.691	-	-	-	-	-	-	-	-	12.748
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:

Provides equipment procurement and installation support for AEGIS Shore Facilities and Shipboard Upgrades to AEGIS Cruisers and Destroyers required to maintain the readiness of the AEGIS Weapon System in support of Combatant Commanders requirements. FY15 and out the budget transferred to 5231 Ship Missile Support Equipment.
Combat System Procurements:
L7001: Special Tools & Test Equipment
L7003: Computers, Displays, and Simulators for Integrated Warfare Systems Laboratory (IWSL) at Dahlgren, VA
L7006: Weapon/Combat System Equipment for Surface Combat System Center (SCSC) at Wallops Island, VA
L7007: Weapon/Combat System Equipment for AEGIS Readiness Training Center (ATRC) at Dahlgren, VA
L7011: AEGIS Weapon System Procurements to support Ship Change Documents
L7027: AEGIS Software License Procurements to support Shore Facilities and In-Service Ship
L7600: AEGIS Installation support for approved ship changes
HM&E Procurements: (FY14 and out Budget has been transferred to 0200 OPN line item and will be reported on by SEA21)
L7013: Class Common Equipment to support shorter Regular Overhauls and Selected Restricted Availabilities; Includes Ship System Components that require long repair turn-around
L7025: CG/DDG - COTS Refresh
L7026: Ship Controls System
L7600: HM&E Installation support for approved CG/DDG ship changes

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5246 / AEGIS Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items: 0204221N, 0204228N, 0204225N	Other Related Program Elements: 0604307N, 0604501N, 0604574N

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)
AEGIS Support Equipment	P-40a		-	-	760.215	-	-	74.527	-	-	59.757	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**760.215**	**-**	**-**	**74.527**	**-**	**-**	**59.757**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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:

L7001: Provides funding to procure and maintain special test equipment (Adaptive Diagnostic Electronic Portable Test Set(ADEPT)/Radiation Probes) to support Maintenance and Troubleshooting efforts for the AEGIS Weapon System on Deployed Units and Critical shore sites.

L7003: Provides funding to procure and maintain IWSL Weapons System and support infrastructure to support fleet issues resolution within the AEGIS Weapon System.

L7006: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements and integration and test efforts required to complete Weapon and Combat System Certification.

L7007: Provides funding to procure and maintain SCSC Weapons and Combat systems and support infrastructure to support fleet training requirements for Operation and Maintenance of the AEGIS Weapon System.

L7011: Provides funding to address fleet hardware issues related to equipment obsolescence, High Failure, or to reduce maintenance costs and improve the readiness of the AEGIS Fleet.

L7600: Provides funding to complete installation of ORDALTS and other Ship Changes designed to improve the readiness of the AEGIS Combat System.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5246 / AEGIS Support Equipment	**Aggregated Items Title:** AEGIS 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) Aegis Support Equipment																				
1.1) L7001 - Depot Special Tooling/Test Equipment	A		-	-	36.344	-	-	4.856	-	-	4.879	-	-	-	-	-	-	-	-	-
1.2) L7003 - Integrated Warfare Systems Laboratory	A		-	-	35.690	-	-	2.588	-	-	2.461	-	-	-	-	-	-	-	-	-
1.3) L7006 - Surface Combat Systems Center Equipment	A		-	-	33.864	-	-	4.370	-	-	2.656	-	-	-	-	-	-	-	-	-
1.4) L7011 - Aegis Weapon System Ship Change Procurement (1)	A		-	-	270.826	-	-	17.895	-	-	13.796	-	-	-	-	-	-	-	-	-
1.5) L7025 - CG/DDG COTS Tech Refresh (2)	A		-	-	56.464	-	-	4.018	-	-	-	-	-	-	-	-	-	-	-	-
1.6) L7027 - Computer Program Software Licenses (3)	A		-	-	17.573	-	-	-	-	-	9.853	-	-	-	-	-	-	-	-	-
1.7) L7CA6 - ADEPT Congressional Add	A		-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) L7600 - Aegis Support Equipment Installation	A		-	-	141.693	-	-	7.734	-	-	8.009	-	-	-	-	-	-	-	-	-
Subtotal: 1) Aegis Support Equipment			-	-	*593.454*	-	-	*41.461*	-	-	*41.654*	-	-	-	-	-	-	-	-	-
2) L7007 Aegis Training and Readiness Center																				
2.1) L7007 - Aegis Training & Readiness Center	A		-	-	28.331	-	-	1.968	-	-	1.403	-	-	-	-	-	-	-	-	-
2.2) L7007 Aegis Readiness Training Center Upgrade (4)	A		-	-	-	-	-	24.552	-	-	16.700	-	-	-	-	-	-	-	-	-
Subtotal: 2) L7007 Aegis Training and Readiness Center			-	-	*28.331*	-	-	*26.520*	-	-	*18.103*	-	-	-	-	-	-	-	-	-
3) L7013 Common Class Equipment CCE (5)																				
3.1) L7013 - Class Common Equipment	A		-	-	30.468	-	-	2.513	-	-	-	-	-	-	-	-	-	-	-	-
3.2) L7013 - Main Reduction Gears	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) L7013 Common Class Equipment CCE			-	-	*30.468*	-	-	*2.513*	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5246 / AEGIS Support Equipment	**Aggregated Items Title:** AEGIS 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)
4) L7026 - Ship Control Systems [6]																				
4.1) L7026 - Ship Control Systems	A		-	-	29.378	-	-	4.033	-	-	-	-	-	-	-	-	-	-	-	-
4.2) L7026 - Ship Control Systems Software Licenses	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.3) L7070- Combat Support Shipalts	A		-	-	78.584	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) L7026 - Ship Control Systems			-	-	*107.962*	-	-	*4.033*	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**760.215**	**-**	**-**	**74.527**	**-**	**-**	**59.757**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(1) FY13 Procurements focused on 400Hz Power Converters enhancements, Cooling and Air Enhancements, SPY Sidewall Capacitors, AEGIS BL 7.2 Hardware, and Shipboard Peripherals Replacement System (SPRS) Procurements all designed to improve the operational effectiveness of the AEGIS Combat System.

(2) Funding transferred to SEA21 OPN 0200 account to support HM&E updates for AEGIS Cruisers and Destroyers

(3) FY14 Increase to procure software licenses for AEGIS Land Based Test Sites and Fielded AEGIS Cruisers and Destroyers.

(4) FY13 and FY14 Increase to procure AEGIS BL 9 Equipment to support AEGIS ACB12 technician and operator training requirements and fleet introduction.

(5) Funding transferred to SEA21 OPN 0200 account to support HM&E updates for AEGIS Cruisers and Destroyers

(6) Funding transferred to SEA21 OPN 0200 account to support HM&E updates for AEGIS Cruisers and Destroyers

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5253 / Tomahawk Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:
Line Item MDAP/MAIS Code: 289	**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)*	355.724	62.651	63.559	61.462	-	61.462	63.016	62.978	65.115	65.734	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	355.724	62.651	63.559	61.462	-	61.462	63.016	62.978	65.115	65.734	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**355.724**	**62.651**	**63.559**	**61.462**	**-**	**61.462**	**63.016**	**62.978**	**65.115**	**65.734**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.023	0.158	0.387	-	0.387	0.172	0.160	0.219	0.164	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:

Under the umbrella of the Theater Mission Planning Center (TMPC), the Tomahawk Command and Control System (TC2S) is the mission planning segment of the Tomahawk Weapons System (TWS) that provides systems for the precision targeting, route planning, mission distribution, and strike management of Tomahawk cruise missile missions from sites located ashore and afloat. TMPC optimizes all aspects of the Tomahawk missile mission to successfully engage a target and has evolved into five scalable configurations at 179 sites: Cruise Missile Support Activities (CMSAs) (3), Tomahawk Strike Mission Planning Cells (TSMPCs) (3 - C5F, C6F, C7F), Carrier Strike Groups (CSGs) (10 CVN's/5 CTF's), Firing Units (FRUs) (84 Surface/56 Submarines), Command & Control Nodes (C2 Nodes) (6), Labs (6), and training classrooms (6). Systems fielded at the CMSAs and TSMPCs provide mission planning and employment support information for conventional TLAM, including the distribution of mission data and command information essential to TLAM employment via the mission distribution system and associated communications infrastructure.

Funds provide for systems engineering, testing, Independent Verification & Validation (IV&V), security accreditation, installation, Site Acceptance Testing (SAT), user familiarization of products and hardware to support command and control nodes. The Selective Availability Anti-Spoofing Module (SAASM) Global Positioning System (GPS) capability, workflow improvements to mission planning, strike planning & execution and TWS obsolescence are included in this line to transition to a service oriented architecture, improve TCS "Kill Chain" planning and communications architecture and system effectiveness. Also, this funding line provides for Commercial-off-the-Shelf/Government-off-the-Shelf (COTS/GOTS) refreshment, engineering changes, software upgrades, and associated SSNs/SSGNs/DDGs/CGs/CVN logistics, and infrastructure to maintain compatibility and interoperability with existing and future TC2S system configurations.

Surface and Submarine Tactical Tomahawk Weapon Control System (TTWCS) is a post milestone III program executing its first major tech refresh since its 2004 IOC. The first phase of this tech refresh partially resolves processor component obsolescence. The final phase completes all hardware and software obsolescence efforts and will be fleet released in 2016. TTWCS functions include: Tasking validation (missile mission matching), planning of over the water routes, initialization, preparation and launch of BLK III/IV missiles. TTWCS reduced response time and increased operational flexibility through addition of Launch Platform Mission Planning (LPMP), and in-flight monitoring and control of Blk IV missiles. Final Phase efforts began in FY12 and consist of the completion of full TTWCS hardware technology refresh, C4I Web services interfaces and operability to be fielded in DDG 113 and follow-on FLIGHT III DDG's. Program options are being identified that will enable TWS integration into future platforms.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5253 / Tomahawk Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	
Line Item MDAP/MAIS Code: 289	**Item MDAP/MAIS Code(s):**

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Item - 1 / 525300, TOMAHAWK Support Equipment	P-5		-	-	355.724	-	-	62.651	-	-	63.559	-	-	61.462	-	-	-	-	-	61.462
Total Gross/Weapon System Cost			**-**	**-**	**355.724**	**-**	**-**	**62.651**	**-**	**-**	**63.559**	**-**	**-**	**61.462**	**-**	**-**	**-**	**-**	**-**	**61.462**

*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:

Funding is required to initiate and continue the upgrade of unsupportable and obsolete software in the Tomahawk Planning System (TPS). The current TPS software is rapidly becoming obsolete, unsupportable, and incompatible with DoD security mandates making it more susceptible to Cyber-attack. Funding also addresses the National Geospatial-Intelligence Agency (NGA) imagery format change planned for June 2018. The Tomahawk Weapon System cannot execute a mission successfully without the NGA imagery used by TC2S for precision targeting and mission planning. This line also funds the implementation of the TC2S Enterprise Network (TEN) necessary to rapidly and effectively manage the distribution of software patches to all operational sites without compromising system's Authority to Operate (ATO). Instead of funding costly site installation teams, new TC2S software releases and patches would be deployed to all operational sites electronically. The TEN would be capable of: (1) remote promulgation of security policies, Information Assurance Vulnerability Assessments (IAVA) security patches, and anti-virus definitions to keep pace with increasing IA mandates; (2) remote Configuration Management (CM) from a central location for the definition, control, distribution and implementation of official releases and configurations; (3) remote audit and help desk maintenance support for all TC2S configurations; and (4) Continuity of Operations (COOP) during site system failures or natural disasters. FY15 continues TEN implementation and the TPS rewrite upgrade.

Funds are also required to resolve remaining TTWCS hardware/software obsolescence issues (v5.4.0.2) and continue fielding version 5.4.0. Funds also provide for integration, modernization and interoperability efforts necessary to keep pace with changes, retain capability and exploit capabilities of internal (TWS All-Up-Round missile and TTWCS) and external (Modernized Integrated Data Base (MIDB)), National Geospatial Inteligence Agency (NGA) products, Distributed Common Ground Systems (DCGS) Integrated Backbone (DIB) compliance, Future Imagery Architecture (FIA) imagery formats and Intelligence Surveillance & Reconnaissance (ISR) interfaces, Network Centric Enterprise Services (NCES), Global Information Grid/Internet Protocal (GIG/IP) (V)6, FORCEnet compliance systems/interfaces to the effectiveness of the TWS, into TC2S deployed configurations. Funding supporting TTWCS is appropriately phased to complete the 1st major tech refresh since IOC in 2004. Overall funding decreases in FY15 as compared to FY14 due to software development transitioning to testing.

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5253 / Tomahawk Support Equipment	**Item Number / Title [DODIC]:** 1 / 525300, TOMAHAWK Support Equipment

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	355.724	62.651	63.559	61.462	-	61.462
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	355.724	62.651	63.559	61.462	-	61.462
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**355.724**	**62.651**	**63.559**	**61.462**	**-**	**61.462**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)						
Initial Spares *($ in Millions)*	-	0.023	0.158	0.387	-	0.387
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-

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 - TTWCS Cost																			
Recurring Cost																			
1.1.1) Tactical Tomahawk Weapon Control System (TTWCS) Hardware		-	-	6.545	-	-	2.395	-	-	1.417	-	-	1.460	-	-	-	-	-	1.460
Subtotal: Recurring Cost		-	-	*6.545*	-	-	*2.395*	-	-	*1.417*	-	-	*1.460*	-	-	-	-	-	*1.460*
Subtotal: Hardware - TTWCS Cost		-	-	*6.545*	-	-	*2.395*	-	-	*1.417*	-	-	*1.460*	-	-	-	-	-	*1.460*
Hardware - HARDWARE RECURRING SUPPORT - TTWCS Cost																			
Recurring Cost																			
2.1.1) TTWCS Product Improvement (1)		-	-	86.915	-	-	15.677	-	-	11.238	-	-	9.116	-	-	-	-	-	9.116
Subtotal: Recurring Cost		-	-	*86.915*	-	-	*15.677*	-	-	*11.238*	-	-	*9.116*	-	-	-	-	-	*9.116*
Subtotal: Hardware - HARDWARE RECURRING SUPPORT - TTWCS Cost		-	-	*86.915*	-	-	*15.677*	-	-	*11.238*	-	-	*9.116*	-	-	-	-	-	*9.116*
Hardware - TC2S Cost																			
Recurring Cost																			
3.1.1) Tomahawk Command and Control System (TC2S) Hardware (2)		-	-	11.356	-	-	2.449	-	-	2.795	-	-	3.290	-	-	-	-	-	3.290
Subtotal: Recurring Cost		-	-	*11.356*	-	-	*2.449*	-	-	*2.795*	-	-	*3.290*	-	-	-	-	-	*3.290*

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5253 / Tomahawk Support Equipment	Item Number / Title [DODIC]: 1 / 525300, TOMAHAWK Support Equipment

Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: Hardware - TC2S Cost		-	-	*11.356*	-	-	*2.449*	-	-	*2.795*	-	-	*3.290*	-	-	-	-	-	*3.290*
Hardware - HARDWARE RECURRING SUPPORT - TC2S Cost																			
Recurring Cost																			
4.1.1) TC2S Product Improvements [3]		-	-	70.016	-	-	15.067	-	-	17.356	-	-	18.727	-	-	-	-	-	18.727
Subtotal: Recurring Cost		-	-	*70.016*	-	-	*15.067*	-	-	*17.356*	-	-	*18.727*	-	-	-	-	-	*18.727*
Subtotal: Hardware - HARDWARE RECURRING SUPPORT - TC2S Cost		-	-	*70.016*	-	-	*15.067*	-	-	*17.356*	-	-	*18.727*	-	-	-	-	-	*18.727*
Support - Support - TTWCS Cost																			
5.1) TTWCS Production Engineering [4]		-	-	19.597	-	-	0.765	-	-	0.713	-	-	0.998	-	-	-	-	-	0.998
5.2) TTWCS Integrated Logistic Support [5]		-	-	55.729	-	-	10.888	-	-	12.183	-	-	9.543	-	-	-	-	-	9.543
Subtotal: Support - Support - TTWCS Cost		-	-	*75.326*	-	-	*11.653*	-	-	*12.896*	-	-	*10.541*	-	-	-	-	-	*10.541*
Support - TC2S Cost																			
6.1) TC2S Production Engineering [6]		-	-	19.582	-	-	4.720	-	-	4.208	-	-	3.840	-	-	-	-	-	3.840
6.2) TC2S Production Support [7]		-	-	20.454	-	-	2.775	-	-	3.790	-	-	3.665	-	-	-	-	-	3.665
6.3) TC2S Integrated Logistic Support [8]		-	-	41.502	-	-	7.915	-	-	9.859	-	-	10.823	-	-	-	-	-	10.823
Subtotal: Support - TC2S Cost		-	-	*81.538*	-	-	*15.410*	-	-	*17.857*	-	-	*18.328*	-	-	-	-	-	*18.328*
Support - ILS INSTALLATIONS Cost																			
7.1) FMP Installations		-	-	15.139	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - ILS INSTALLATIONS Cost		-	-	*15.139*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - Miscellaneous Cost																			
8.1) TTWCS Other Cost		-	-	8.889	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) TC2S Other Cost		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - Miscellaneous Cost		-	-	*8.889*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		**-**	**-**	**355.724**	**-**	**-**	**62.651**	**-**	**-**	**63.559**	**-**	**-**	**61.462**	**-**	**-**	**-**	**-**	**-**	**61.462**

Footnotes:

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5253 / Tomahawk Support Equipment	**Item Number / Title [DODIC]:** 1 / 525300, TOMAHAWK Support Equipment

(1) Decrease in product improvement cost code from FY14-FY15 is associated with the transition of software development to operational test events in the laboratory and onboard ships.

(2) Procures hardware and software for installations of system upgrades at all 179 sites where TC2S systems configurations are deployed. This also includes hardware and software for the developers and the Washington Planning Center. FY14 procures hardware/software (HW/SW) to complete integration and testing for TC2S 5.0.1 and deployment of the CMSA configuration to IOC the TC2S 5.0.1 4th Qtr FY14. FY14 increase completes the deployment of TC2S 4.3 shipboard installations that were deferred to FY14 due to funding shortfalls resulting from congressional marks and sequestration. FY 15-19 procures the hardware for the installation of TC2S 5.0.1.

(3) Provides for software engineering efforts associated with the delivery of system modernization and improvements by the prime developers. The current TPS software is rapidly becoming obsolete, unsupportable, and incompatible with DoD security mandates making it more susceptible to Cyber-attack. This recode effort supports upgrades necessary to address IA requirements as well. Funding also addresses the National Geospatial-Intelligence Agency (NGA) imagery format change planned for June 2018. The Tomahawk Weapon System cannot execute a mission successfully without the NGA imagery used by TC2S for precision targeting and mission planning. This line also funds the release of TC2S 6.0 which will field the next generation architecture to achieve greater reuse of products across multiple domains. In FY14-19 this line also funds the implementation of TEN which is necessary to rapidly and effectively manage the distribution of software patches to all operational sites without compromising system's ATO, and system software upgrades for the submarine community to specifically address system interfaces.

(4) Increase in Production Engineering cost code from FY14-FY15 is associated with the fabrication of ship sets supporting TTWCS v5.4.0.2 upgrades as a result of program transition from development and testing to fielding.

(5) Decreases within the TTWCS Integrated Logistic Support cost code from FY14-FY15 represents reductions in the number of Weapons Control System (WCS) logistics, installation, and training upgrade efforts spread between multiple surface and subsurface platforms as well as cuts associated with the phased retirement of 15 CG's across the FYDP.

(6) Provides systems engineering support for system design and definition requirements necessary to evaluate all functional aspects of the TC2S subsystems and workflows that directly impact strike & execution and mission planning products. It includes reviewing TWS and external interfaces for impacts resulting from design upgrades/changes within TWS and by external organizations, Independent Verification & Validation (IV&V), and security accreditation activities. Decrease in funding levels from FY13 to FY14 is the result of realignment to the hardware funding line to support TC2S 5.0.1 IOC, September 2014.

(7) Funds activities that directly support system upgrades requirements such as user events, requirements validation, PDR/CDR events, SW formal qualification testing, and delta training documentation. The increase from FY13 funding levels to FY14 is due to increased software engineering efforts to support the TPS rewrite effort and completion of integration and testing for TC2S 5.0.1.

(8) Funds installations support associated with the deployment of new TC2S system upgrades to the CMSAs, TSMPCs, Carriers, FRUs, C2 Nodes, labs and training sites. Increase in FY14 completes installations of FY13 deferred TC2S 4.3 shipboard deployments, integration and testing TC2S 5.0.1 suites at the Washington Planning Center, and the IOC configuration system at the Cruise Missile Support Activity, Atlantic (CMSALANT), Norfolk, VA. FY15-19 funds the deployment of TC2S 5.0.1 software to the Fleet.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5260 / Vertical Launch 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)*	40.497	0.651	0.626	-	-	-	-	-	-	-	-	41.774
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	40.497	0.651	0.626	-	-	-	-	-	-	-	-	41.774
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**40.497**	**0.651**	**0.626**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**41.774**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.572	0.143	-	-	-	-	-	-	-	-	0.715
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 MK-41 Vertical Launching System (VLS) is a surface combatant missile launching system, designed to store, select and launch various STANDARD Missile configurations, TOMAHAWK, Tactical TOMAHAWK, EVOLVED SEASPARROW (ESSM) and Vertical Launch ASROC (VLA) missiles. The MK-41 VLS significantly improves missile capacity, flexibility, multi-mission capability, reaction time and rate of fire and is designed to be adaptable to present and future weapon systems. Current configurations are: two 61 cell launchers, forward and aft, for 22 TICONDEROGA (CG 47) Class Cruisers beginning with CG-52; one 61 cell aft and one 29 cell launcher forward for 28 ARLEIGH BURKE (DDG 51) Class Destroyers; and one 64 cell launcher aft and one 32 cell launcher forward for 34 DDG 51 FLT IIA ships.

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)*
Vertical Launch Systems	P-40a		-	-	23.060	-	-	0.651	-	-	0.626	-	-	-	-	-	-	-	-	-
P-3a - 1 / 5A118 MTCP EQUIVALENT OF 4293	P-3a		-	-	3.986	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / 5A118 4292 FAIRING BLOCK UPGRADE	P-3a		-	-	10.842	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / 5A118 SHIPALT MATERIAL HALL SWITCH	P-3a		-	-	2.609	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**40.497**	**-**	**-**	**0.651**	**-**	**-**	**0.626**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems
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)
Vertical Launch Systems	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 5A118 MTCP EQUIVALENT OF 4293	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.986
P-3a - 2 / 5A118 4292 FAIRING BLOCK UPGRADE	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10.842
P-3a - 3 / 5A118 SHIPALT MATERIAL HALL SWITCH	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.609
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**41.774**

*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:
Funding for the Vertical Launch Systems program has been moved to Other Procurement, Navy (OPN) line item 5231, Ship Missile Support Equipment, beginning in FY 2015.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Aggregated Items Title:** Vertical Launch 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) Vertical Launch Systems																				
1.1) VLS ORDALTS	A		-	-	7.951	-	-	0.388	-	-	0.360	-	-	-	-	-	-	-	-	-
1.2) VLS PRODUCTION ENGINEERING	A		-	-	2.561	-	-	0.209	-	-	0.212	-	-	-	-	-	-	-	-	-
Subtotal: 1) Vertical Launch Systems			-	-	*10.512*	-	-	*0.597*	-	-	*0.572*	-	-	-	-	-	-	-	-	-
2) 5A101 AUR ELECTRONIC SIMULATOR																				
2.1) AURVS CABLE HEADER INSERT	A		600.00	10	0.006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) IMPROVED AURVS CABLE	A		388,000.00	4	1.552	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5A101 AUR ELECTRONIC SIMULATOR			-	-	*1.558*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 5A102 AUR ELECTRONIC SIMLUATOR																				
3.1) MOD 5	A		359,588.24	17	6.113	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5A102 AUR ELECTRONIC SIMLUATOR			-	-	*6.113*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 5A1007 LOADING SUPPORT EQUIPMENT																				
4.1) MISCELLANEOUS SUPPORT EQUIPMENT	A		-	-	1.985	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 5A1007 LOADING SUPPORT EQUIPMENT			-	-	*1.985*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) 5A116 GACILITY HARDWARE																				
5.1) FACILITY HARDWARE	A		-	-	1.349	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) 5A116 GACILITY HARDWARE			-	-	*1.349*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) 5A118 SHIPALT MATERIAL																				
6.1) TCP CIRCUIT CARD FIELD CHANGES	A		518,500.00	2	1.037	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) 5A118 SHIPALT MATERIAL			-	-	*1.037*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) 5A5IN Install Equipment N86 [(1)]																				
7.1) 5A5IN Install Equipment N86	A		-	-	0.506	-	-	0.054	-	-	0.054	-	-	-	-	-	-	-	-	-
Subtotal: 7) 5A5IN Install Equipment N86			-	-	*0.506*	-	-	*0.054*	-	-	*0.054*	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Aggregated Items Title:** Vertical Launch 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Total			-	-	23.060	-	-	0.651	-	-	0.626	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Aggregated Items Title:** Vertical Launch Systems

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) Vertical Launch Systems																				
1.1) VLS ORDALTS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) VLS PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) Vertical Launch Systems			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 5A101 AUR ELECTRONIC SIMULATOR																				
2.1) AURVS CABLE HEADER INSERT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) IMPROVED AURVS CABLE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5A101 AUR ELECTRONIC SIMULATOR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 5A102 AUR ELECTRONIC SIMLUATOR																				
3.1) MOD 5	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5A102 AUR ELECTRONIC SIMLUATOR			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 5A1007 LOADING SUPPORT EQUIPMENT																				
4.1) MISCELLANEOUS SUPPORT EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 5A1007 LOADING SUPPORT EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) 5A116 GACILITY HARDWARE																				
5.1) FACILITY HARDWARE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) 5A116 GACILITY HARDWARE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) 5A118 SHIPALT MATERIAL																				
6.1) TCP CIRCUIT CARD FIELD CHANGES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) 5A118 SHIPALT MATERIAL			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) 5A5IN Install Equipment N86 [(1)]																				
7.1) 5A5IN Install Equipment N86	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) 5A5IN Install Equipment N86			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Aggregated Items Title:** Vertical Launch Systems

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) VLS ORDALT Installation

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5260 / Vertical Launch Systems	Modification Number / Title: 1 / 5A118 MTCP EQUIVALENT OF 4293

Resource Summary	Prior Years	FY 2013	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)*	3.986	-	-	-	-	-	-	-	-	-	-	3.986
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	3.986	-	-	-	-	-	-	-	-	-	-	3.986
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**3.986**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.986**
(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:
Vertical Launch Systems (VLS) Upgrades have been cancelled on SSNs in FY14-17.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	P-1 Line Item Number / Title: 5260 / Vertical Launch Systems	Modification Number / Title: 1 / 5A118 MTCP EQUIVALENT OF 4293
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: 5A118 MTCP EQUIVALENT OF 4293												
B Kits												
Recurring												
1.1.1) MTCP EQUIVALENT OF 4293 - NonOrganic	10 / 2.686	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 2.686
Subtotal: Recurring	*- / 2.686*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.686*
Subtotal: 5A118 MTCP EQUIVALENT OF 4293	*10 / 2.686*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*10 / 2.686*
Subtotal: Procurement, All Modification Items	*- / 2.686*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.686*
Installation												
Modification Item 1 of 1: 5A118 MTCP EQUIVALENT OF 4293	- / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.300
Subtotal: Installation	*- / 1.300*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.300*
Total												
Total Cost (Procurement + Support + Installation)	**3.986**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.986**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 1 / 5A118 MTCP EQUIVALENT OF 4293

Modification Item 1 of 1: 5A118 MTCP EQUIVALENT OF 4293

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Manufacturer Name Not Provided.	Manufacturer Location: Manufacturer Location Not Provided.
Administrative Leadtime *(in Months)*:	Production Leadtime *(in Months)*:

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

Installation Information

Method of Implementation: AIT INSTALLATION : Installation Name: MTCP EQUIVALENT OF 4293

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 1.300
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	8 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 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	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8
Out	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 2 / 5A118 4292 FAIRING BLOCK 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)*	10.842	-	-	-	-	-	-	-	-	-	-	10.842
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	10.842	-	-	-	-	-	-	-	-	-	-	10.842
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**10.842**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**10.842**
(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:
This alteration modifies the VLS fairing to Muzzle Hatch connecting links, fairing lock bar cylinder and lock bar components with predominantly off-shelf hardware to provide increased accuracy of adjustment and eliminate potential binding and interference areas.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 2 / 5A118 4292 FAIRING BLOCK UPGRADE
Models of Systems Affected: [No Model Specified]	**Modification Type:** [No Modification Type Specified]	**Related RDT&E PEs:**

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Procurement												
Modification Item 1 of 1: 5A118 4292 FAIRING BLOCK UPGRADE												
B Kits												
Recurring												
1.1.1) 4292 FAIRING BLOCK RECURRING - NonOrganic	21 / 6.596	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	21 / 6.596
Subtotal: Recurring	*- / 6.596*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 6.596*
Subtotal: 5A118 4292 FAIRING BLOCK UPGRADE	*21 / 6.596*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*21 / 6.596*
Subtotal: Procurement, All Modification Items	*- / 6.596*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 6.596*
Installation												
Modification Item 1 of 1: 5A118 4292 FAIRING BLOCK UPGRADE	- / 4.246	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.246
Subtotal: Installation	*- / 4.246*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 4.246*
Total												
Total Cost (Procurement + Support + Installation)	**10.842**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**10.842**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 2 / 5A118 4292 FAIRING BLOCK UPGRADE

Modification Item 1 of 1: 5A118 4292 FAIRING BLOCK UPGRADE

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NUWC Neport	Manufacturer Location: >Newport, RI
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 12

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

Installation Information

Method of Implementation: AIT INSTALLATION : Installation Name: 4292 FAIRING BLOCK RECURRING

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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	17 / 4.246	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 4.246
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	17 / 4.246	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	17 / 4.246

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	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17
Out	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 3 / 5A118 SHIPALT MATERIAL HALL 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	2.609	-	-	-	-	-	-	-	-	-	-	2.609
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	2.609	-	-	-	-	-	-	-	-	-	-	2.609
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**2.609**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2.609**
(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:
This alteration replaces internal glass-body electromechanical reed switches with an electronic Hall Effect switch actuated by a single pole magnetic field to provide ease of manufacture, eliminate magnet rotational positioning of present magnets, and allow use of higher reliability magnets better suited to the environment.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 3 / 5A118 SHIPALT MATERIAL HALL SWITCH
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: 5A118 SHIPALT MATERIAL HALL SWITCH												
B Kits												
Recurring												
1.1.1) SHIPALT MATERIAL HALL SWITCH - NonOrganic	19 / 1.409	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.409
Subtotal: Recurring	*- / 1.409*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 1.409*
Subtotal: 5A118 SHIPALT MATERIAL HALL SWITCH	*19 / 1.409*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*19 / 1.409*
Subtotal: Procurement, All Modification Items	*- / 1.409*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 1.409*
Installation												
Modification Item 1 of 1: 5A118 SHIPALT MATERIAL HALL SWITCH	- / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.200
Subtotal: Installation	*- / 1.200*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 1.200*
Total												
Total Cost (Procurement + Support + Installation)	**2.609**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**2.609**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5260 / Vertical Launch Systems	**Modification Number / Title:** 3 / 5A118 SHIPALT MATERIAL HALL SWITCH

Modification Item 1 of 1: 5A118 SHIPALT MATERIAL HALL SWITCH

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: New MFG - Name	Manufacturer Location: >New MFG - Loc
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 0

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

Installation Information

Method of Implementation: [none specified] : Installation Name: SHIPALT MATERIAL HALL SWITCH

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.200
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	19 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	19 / 1.200

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19
Out	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS

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)*	4.666	3.652	2.779	-	-	-	-	-	-	-	-	11.097
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	4.666	3.652	2.779	-	-	-	-	-	-	-	-	11.097
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**4.666**	**3.652**	**2.779**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11.097**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

Maritime Integrated Air and Missile Defense (IAMD) Planning System (MIPS) is an automated air and missile defense planning tool that supports Joint Force Maritime Component Commander operational level of war air defense planning by automatically and optimally allocating ship stationing options in support of Ballistic Missile Defense (BMD) or Anti-Air Warfare (AAW).

MIPS contains United States Army Patriot and Terminal High Altitude Air Defense models to ensure synergistic allocation and positioning of maritime units in relation to other joint units, providing optimized mutual defense of selected defended assets, against selected BMD and AAW threats. FY 2012 was the first year OPN was used for the MIPS Program; to provide technology refresh to existing hardware.

Fourteen (14) MIPS are currently planned for procurement, with two (2) ship-based installations, ten (10) shore-based installations, and one (1) Environmental Qualification Test (EQT) system. The ship classes that will receive MIPS are CVN and LCC class ships. The ten (10) shore-based systems will be installed at various predetermined locations.

[P40A / 5B001 - EQUIPMENT]: These funds are for the procurement of MIPS technology refresh hardware and software for ship and shore based installations.

[P40A / 5B830 - PRODUCTION ENGINEERING]: The funds are for production engineering support for MIPS hardware and software.

[P40A / 5BINS - NON-FMP INSTALLATION]: These funds are for installation of Non-Shipboard MIPS hardware at various Land Based locations.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 3: Ship Missile Systems Equipment	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS
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)
Maritime Integrated Planning System - MIPS	P-40a		-	-	4.193	-	-	2.532	-	-	0.545	-	-	-	-	-	-	-	-	-
P-3a - 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	P-3a		-	-	0.473	-	-	1.120	-	-	2.234	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**4.666**	**-**	**-**	**3.652**	**-**	**-**	**2.779**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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)
Maritime Integrated Planning System - MIPS	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.827
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11.097**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Aggregated Items Title:** Maritime Integrated Planning System - MIPS

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) 5B001 - EQUIPMENT																				
1.1) EQUIPMENT	A		250,000.00	6	1.500	250,000.00	4	1.000	247,000.00	1	0.247	-	-	-	-	-	-	-	-	-
Subtotal: 1) 5B001 - EQUIPMENT			-	-	*1.500*	-	-	*1.000*	-	-	*0.247*	-	-	-	-	-	-	-	-	-
2) 5B830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	1.120	-	-	0.480	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5B830 - PRODUCTION ENGINEERING			-	-	*1.120*	-	-	*0.480*	-	-	-	-	-	-	-	-	-	-	-	-
3) 5BINS - NON-FMP INSTALLATION																				
3.1) NON-FMP INSTALLATOIN	A		314,600.00	5	1.573	263,000.00	4	1.052	298,000.00	1	0.298	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5BINS - NON-FMP INSTALLATION			-	-	*1.573*	-	-	*1.052*	-	-	*0.298*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**4.193**	**-**	**-**	**2.532**	**-**	**-**	**0.545**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Aggregated Items Title:** Maritime Integrated Planning System - MIPS

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) 5B001 - EQUIPMENT																				
1.1) EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 5B001 - EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 5B830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 5B830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 5BINS - NON-FMP INSTALLATION																				
3.1) NON-FMP INSTALLATOIN	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 5BINS - NON-FMP INSTALLATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Modification Number / Title:** 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Resource Summary	Prior Years	FY 2013	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)*	0.473	1.120	2.234	-	-	-	-	-	-	-	-	3.827
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.473	1.120	2.234	-	-	-	-	-	-	-	-	3.827
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.473**	**1.120**	**2.234**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.827**
(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:

10 shore-based units will be procured and one unit will be used to conduct required EQT testing. The EQT shore-based unit will not be installed after testing. There are no fleet modernization program (FMP) installation costs associated with the 10 shore-based units because those installations will be performed at the shore-based sites.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Modification Number / Title:** 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)
Models of Systems Affected: 5B001 MIPS Procurement	**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: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic [(1)]	- / -	1 / 0.250	2 / 0.500	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.750
Subtotal: Recurring	- / *0.000*	- / *0.250*	- / *0.500*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.750*
Subtotal: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	- / -	*1 / 0.250*	*2 / 0.500*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*3 / 0.750*
Subtotal: Procurement, All Modification Items	- / *0.000*	- / *0.250*	- / *0.500*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.750*
Installation												
Modification Item 1 of 1: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)	- / 0.473	- / 0.870	- / 1.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.077
Subtotal: Installation	- / *0.473*	- / *0.870*	- / *1.734*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *3.077*
Total												
Total Cost (Procurement + Support + Installation)	**0.473**	**1.120**	**2.234**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.827**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Modification Number / Title:** 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Modification Item 1 of 1: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: GDAIS	Manufacturer Location: >VA. Beach, VA
Administrative Leadtime *(in Months)*: 3	Production Leadtime *(in Months)*: 6

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

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		Feb 2014					
Delivery Dates		Sep 2014					

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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	0 / 0.342	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.342
FY 2014	0 / 0.131	- / 0.870	2 / 1.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.735
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	0 / 0.473	- / 0.870	2 / 1.734	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.077

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 3	**P-1 Line Item Number / Title:** 5265 / Maritime Integrated Planning System - MIPS	**Modification Number / Title:** 1 / MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Modification Item 1 of 1: MARITIME INTEGRATED PLANNING SYSTEM (MIPS)

Modification Item MDAP/MAIS Code:

Installation Information

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

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

Footnotes:

(1) HARDWARE PROCUREMENT - 5B001 These funds are for the procurement of MIPS technology refresh hardware and software for ship and shore based installations.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip

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

Program Elements for Code B Items:

Other Related Program Elements:

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	358.249	169.105	224.484	229.832	-	229.832	231.222	212.833	234.207	238.977	-	1,898.909
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	358.249	169.105	224.484	229.832	-	229.832	231.222	212.833	234.207	238.977	-	1,898.909
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**358.249**	**169.105**	**224.484**	**229.832**	**-**	**229.832**	**231.222**	**212.833**	**234.207**	**238.977**	**-**	**1,898.909**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Thousands)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This budget provides for the procurement of Strategic Weapons System (SWS) equipment for deployed ballistic missile submarines (SSBNs) and shore support sites to support the TRIDENT II (D5) program. Included are shipboard subsystem equipment modernization and technical refresh efforts associated with the TRIDENT II (D5) life extension program. TRIDENT II SSBN hull life has been extended, therefore extending system life to FY 2042.

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)
Strategic Missile Systems Equip	P-40a		-	-	358.249	-	-	169.105	-	-	224.484	-	-	229.832	-	-	-	-	-	229.832
Total Gross/Weapon System Cost			**-**	**-**	**358.249**	**-**	**-**	**169.105**	**-**	**-**	**224.484**	**-**	**-**	**229.832**	**-**	**-**	**-**	**-**	**-**	**229.832**

*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:

OTHER MATERIAL SUPPORT (FY15 $39.089M)

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment	P-1 Line Item Number / Title: 5358 / Strategic Missile Systems Equip	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

A broad range of other material support equipment must be procured for deployed SSBNs, shore installations and contractor facilities. Included within this category are general and special purpose test equipment, launcher expendables, navigation principal items, test instrumentation in support of missile flight tests, and missile checkout equipment. Amounts included within this P1 line for this category are subdivided as follows:

-Launcher and Handling Equipment: This funding supports procurement of MK-74 gas generators and related production support. Funding in FY 2015 provides for gas generator and launch tube closure production.
-Fire Control Equipment: Funding in FY2015 provides procurement of fire control auxillary support equipment as well as continued capital maintenance projects at the Naval Industrial Reserve Ordnance Plant (NIROP) in Pittsfield, MA. These projects are essential to correct environmental, safety, and energy conservation deficiencies. Funding also provides procurement of hardware for targeting. Funding supports the integration of Navy Enterprise Resource Planning (NERP) and the Advanced Inventory Logistics (SAIL) to track tactical support equipment.
-Navigation Equipment: Funding in FY 2015 provides for stable platform & housing material kits and shock isolation system kits for Electro-statically Supported Gyro Navigator (ESGN) to maintain survivability for the SSBNs. Funding is required for replacement of worn or damaged inertial test equipment used at contractors' plants to support test, evaluation, and analysis of inertial instruments.
-Instrumentation/Missile Test Equipment: Funding in all years provides for shore based and shipboard test instrumentation equipment in support of missile flight tests. Funding in FY 2015 provides for a refresh of the flight test and pacific range test instrumention system.
-Information Technology: IT equipment acquisitions (hardware and related software) in support of the Strategic Systems Programs. IT hardware and software components that connect to SWSNET are also part of the acquisitions.

ALTERATIONS (FY15 $164.466M)

Alterations to non-flying tactical hardware are continuing requirements for the SWS. Requirements primarily relate to shipboard investments in Commercial-off-the-Shelf/Non-Developmental Items (COTS/NDI) SWS subsystem equipment, including periodic refresh cycles, to ensure continued reliable performance of the weapon system for its extended service life to match the OHIO Class life extention. Strategic Programs Alterations (SPALTs) also entail the application of available technology to eliminate personnel safety hazards, correct design deficiencies, maintain system effectiveness by resolving equipment operability problems, achieve logistic economies, and provide for shipboard subsystem D5 life extension modernization efforts.

Funds are required to procure alterations to the SWS launcher and fire control subsystems; to inertial, non-inertial, and ESGN navigation subsystem equipment on deployed SSBNs and installed at supporting shore facilities, including the TRIDENT Training Facility (TTF), Bangor, TTF, Kings Bay, the Ashore Navigation Center, and the Inertial System Test Laboratory; to test instrumentation used on SSBNs, support ships and at the Eastern Test Range, the TRIDENT Refit Facility (TRF), Bangor, and TRF, Kings Bay; and to missile handling equipment, missile test and readiness equipment, and surface support equipment. Installation of approved SPALTs is performed on a turnkey basis in conjunction with the procurement of equipment. Use of COTS/NDI has been initiated and is being implemented in all subsystems, wherever possible.

The majority of the Alterations funding supports the Shipboard System Integration (SSI) program which utilizes a COTS based strategy that integrates common electronics (from Fire Control, Launcher, Navigation and Shipboard Data Recording Systems) into the fire control sub-system as well as refreshing inertial systems in order to ensure the TRIDENT II (D5) weapon system can be sustained to FY 2042 in support of OHIO Class SSBNs. Below is a description of each SSI Increment:

SSI Inc 1: Provide subsystems integration into the MOD 6/7 Tech Refresh for the Fire Control System (FCS) leaving the missile and guidance system interface unchanged. Also provides Ship/Strategic Weapons Support System (SWSS) SHIPALT's for ship interfaces that comprise of power, missile tube cabling, radio room, and Fire Control (FC) cabling. Installation is accomplished during 50 day refit without missile offload.

SSI Inc 2: Introduction of an integrated Shipboard Data Systems (SDS) which is comprised of Data Recording Subsystem (DRS), Maintenance Information Network (MIN), and Electronic Work Log (EWL) subsystems. The DRS legacy functionality, connectivity, equipment is unchanged. The EWL subsystem provides software upgrades and the Window 7 Operating System upgrade. Provides subsystem SPALTs for SDS and Strategic Weapons System Maintenance Information Network (SWSMIN) and refresh portable computing devices.

SSI Inc 4: Prerequisites are SSI Inc 1 and 2. Increment 4 provides SWS Subsystem SPALTs which includes Mod 6/7 FCS Refresh SPALT, Navigation (NAV) Radio Frequency (RF) SPALT, SDS SPALT, and Cabling SPALT. For the FC Mod 6/7 Refresh it contains the technical refresh, integration and commonality of the system. The DRS legacy software modifies the support of the new NAV/SHIP/DRS and NAV/FC

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment	P-1 Line Item Number / Title: 5358 / Strategic Missile Systems Equip	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

interfaces and format changes. For Navigation changes, the equipment remains in NAV Center. Supplies the first technical refresh in 25 years for Navigation Aids (NAVAIDS) Electronics, frequency standard, workstation, and NAV Control Panel (NCP).

SSI Inc 8: Prerequisite is SSI Inc 4. Increment 8 provides replacement of the 30 year old ESGN which needs a refresh of inertial technology components, replacement of the Electronic Equipment Consoles (EEC) , and updates Navigation Subsystem software to accommodate ESGN replacement navigator. Also, provides SWS subsystem SPALTs for FC and TTF NAV Lab trainers, and SDS (DRS) Software SPALT changes which are driven by data requirement changes. The SHIPALTs retain NAV Center bedplate, cabling, chilled water/ventilation, and retain electrical Power.

SSI Inc 11: Launcher Initiation System (LIS) is being developed for backfit onto OHIO Class D5LE SSI Inc 1 is a prerequisite. This provides a technical refresh of 30+ year old technology to ensure long term system reliability. SHIP/SWSS SHIPALT are to replace electrical cable with hybrid fiber-optic/electrical cable.

SSI Inc 13: Prerequisite is SSI Inc 4. Increment 13 provides Shipboard Systems Refresh for FCS, NAV, and Missile Test and Readiness Equipment (MTRE) to integrate within the subsystems.

SSI Inc 15: Prerequisite is SSI Inc 13. Increment 15 provides pre-configuration and post-configuration support of Increments 8 and 11. This increment provides refresh alterations for fire control equipment, navigation, launcher, and trainer subsystems.

Launcher and Handling Equipment: Funding provides for launcher and handling equipment alterations to address aging and obsolescence issues. Funds in FY 2015 provides for the last of the LIS Firing Units (FUs) and Launch Safing Units (LSUs) and minor Launcher SPALTS such as the Hoist. Funding in FY 2015 also provides for the LIS installation kits in the training facilities and boats.

Fire Control Equipment: Funding in all years will allow for implementation of Life Cycle Cost Control (LCCC) initiatives aimed at the integration of TRIDENT II SWS subsystem equipment into the Fire Control System (FCS), leveraging off of the MK-98 Mod 4 Fire Control design to implement the first phase of TRIDENT II SSI architecture. The product of these SWS integration efforts will be implementation of an affordable design to meet all operational requirements while minimizing total ownership costs.

FY 2015 funding provides the following efforts:
- Continuing of SSI Increment 4 Refresh/Redesign of the FCS
- Last Production of the MOD 6 Fire Control Refresh SPALT Kit
- SSI Increment 10 Shipboard Data System Refresh
- SSI Increment 13 Refresh/Redesign of the FCS Electronics
- Portable Computing Device Refresh

Navigation Equipment: Funding in FY 2015 provides for the following efforts:
- Continuing testing of Navigation's software coding, preparation of Information Assurance Risk Assessment
- Refresh/redesign of the ESGN (SSI Increment #8)
- Alteration efforts of Engineering drawings
- Independent Verification and Validation for Increment #8 Navigation efforts
- Providing protype of Engineering Development Modules (EDMs) for the Inertial Navigation System (INS) and the Gyroscope
- Navigation SPALTs to the legacy ESGN to extend the service life for the fleet usage
- SSI Increment 13 Refresh/Redesign of the Navigation System

Instrumentation/Missile Checkout equipment: FY 2015 funding provides for Forecast Instrumentation SPALT for hardware modification to submarine instrumentation of flight systems. Funding also provides MTRE to sync with Fire Control software changes for SSI Inc 13.

TRAINING SUPPORT EQUIPMENT (FY15 $8.621M)

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 4: FBM Support Equipment	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

This category provides for procurement of, and alterations to, both tactical and non-tactical equipment required at submarine training facilities to train personnel in the operation and maintenance of launcher and handling, fire control, navigation, missile checkout, and test instrumentation subsystems. Each training facility consists of an integrated family of system and unit laboratories that interface with a training simulation system to provide complete and realistic training for replacement and off-crew personnel, both officer and enlisted, as required for manning of SSBNs and shore facilities. Funding is budgeted to procure training-unique equipment required as the result of alterations to SWS tactical equipment, including those associated with D-5 life extension.
Funds are required for software and hardware design modification, lab documentation modification, facility modification, and design and system integration, as well as procurement and fabrication of all hardware needed to support Navigation and Fire Control subsystem training at both the TTF, Bangor, and at TTF, Kings Bay. The required effort includes upgrade of the Bangor and Kings Bay Navigation and Fire Control trainers from SSI Increments 4, and 11, Integration of Fire Control SSI Increment 4 and PC Simulation, and for the development of the Virtual Strategic Weapons System (SWSD) classroom trainers. Funding also addresses the need for acquisition of upgrades to the Bangor and Kings Bay TTFs resulting from tactical changes in the TRIDENT II (D5) missile under the Life Extension (LE) program. A major task in FY15 is the SSI Increment 4 PC Simulation that updates the softward to the Fire Control System network and modifies the Navigation interface.

NEW START (FY15 $17.656M)
Funding in this category is in support of the Strategic Arms Reduction Treaty (New START) signed into law on 5 Feburary 2011. New START is a nuclear arms reduction treaty between the United States and the Russian Federation which limits the number of deployed launchers. Funding in FY15 will procure traditional ballast, support equipment and associated support for steel closure design, procurement and material support for the missile tubes.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 4	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip	**Aggregated Items Title:** Strategic Missile Systems 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 ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	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) Other Material Support- Launcher and Handling Equipment																				
1.1) Casting Powder Lot Buy	A		1,930.571	7	13.514	1,911.500	2	3.823	-	-	-	-	-	-	-	-	-	-	-	-
1.2) Gas Generator Production	A		305.714	21	6.420	309.400	15	4.641	309.500	8	2.476	314.500	8	2.516	-	-	-	314.500	8	2.516
1.3) Launch Tube Closures	A		530.263	19	10.075	-	-	-	530.000	18	9.540	539.556	18	9.712	-	-	-	539.556	18	9.712
1.4) Second Explosives Handling Wharf (EHW) Support Equipment	A		-	-	-	-	-	-	-	-	5.864	-	-	-	-	-	-	-	-	-
1.5) Second Explosives Handling Wharf (EHW) Outfitting	A		-	-	-	-	-	-	-	-	5.925	-	-	-	-	-	-	-	-	-
Subtotal: 1) Other Material Support- Launcher and Handling Equipment			-	-	*30.009*	-	-	*8.464*	-	-	*23.805*	-	-	*12.228*	-	-	-	-	-	*12.228*
2) Other Material Support-Fire Control Equipment																				
2.1) Nirop Capital Maintenance	A		-	-	11.032	-	-	2.758	-	-	4.282	-	-	3.350	-	-	-	-	-	3.350
2.2) Fire Control Auxillary Support Equipment	A		-	-	7.479	-	-	0.931	-	-	0.530	-	-	0.530	-	-	-	-	-	0.530
2.3) D5 Targeting Hardware	A		-	-	-	-	-	-	-	-	-	-	-	0.830	-	-	-	-	-	0.830
2.4) Advanced Inventory Logistics (SAIL)	A		-	-	-	-	-	-	-	-	-	-	-	1.354	-	-	-	-	-	1.354
Subtotal: 2) Other Material Support-Fire Control Equipment			-	-	*18.511*	-	-	*3.689*	-	-	*4.812*	-	-	*6.064*	-	-	-	-	-	*6.064*
3) Other Material Support-Navigation Equipment																				
3.1) Stable Platform and Housing Material Kits	A		363.500	4	1.454	358.330	6	2.150	358.333	6	2.150	364.500	6	2.187	-	-	-	364.500	6	2.187
3.2) Shock Isolation System Kits	A		-	-	-	-	-	-	720.167	6	4.321	733.000	6	4.398	-	-	-	733.000	6	4.398
Subtotal: 3) Other Material Support-Navigation Equipment			-	-	*1.454*	-	-	*2.150*	-	-	*6.471*	-	-	*6.585*	-	-	-	-	-	*6.585*
4) Other Material Support- Instrumentation/Missile Checkout Equipment																				
4.1) Umbilical Sets/ Kits	A		1,948.000	2	3.896	1,948.000	1	1.948	1,948.000	1	1.948	-	-	-	-	-	-	-	-	-
4.2) Fire Suppression System	A		300.000	1	0.300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 4	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip	**Aggregated Items Title:** Strategic Missile Systems 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 ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
4.3) Electronic Documentation Refresh	A		-	-	1.852	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.4) Data System Integration	A		-	-	0.351	-	-	0.351	-	-	0.375	-	-	0.382	-	-	-	-	-	0.382
4.5) Flight Test Instrumentation (FTI) Refresh	A		-	-	-	-	-	8.492	-	-	12.899	-	-	11.293	-	-	-	-	-	11.293
4.6) Range Systems Refresh	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) Other Material Support- Instrumentation/ Missile Checkout Equipment			-	-	*6.399*	-	-	*10.791*	-	-	*15.222*	-	-	*11.675*	-	-	-	-	-	*11.675*
5) Other Material Support- Information Technology																				
5.1) Hardware/ Software IT Procurement	A		-	-	5.220	-	-	2.669	-	-	2.524	-	-	2.537	-	-	-	-	-	2.537
Subtotal: 5) Other Material Support- Information Technology			-	-	*5.220*	-	-	*2.669*	-	-	*2.524*	-	-	*2.537*	-	-	-	-	-	*2.537*
6) Alterations-Launcher and Handling Equipment																				
6.1) SSI Increment #11 LIS Redesign	A		-	-	10.288	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.2) SSI Increment #11 LIS Engineering and Test	A		-	-	-	-	-	3.750	-	-	7.223	-	-	-	-	-	-	-	-	-
6.3) SSI Increment #11 LIS Support Equipment/Fiberoptic Cables	A		-	-	-	-	-	3.496	-	-	-	-	-	-	-	-	-	-	-	-
6.4) SSI Increment #11 LIS Fiberoptic Cables Installation	A		-	-	-	-	-	-	-	-	-	-	-	1.038	-	-	-	-	-	1.038
6.5) LIS Firing Units (FUs)/Launch Safing Units (LSUs) (Shipset)	A		-	-	-	2,730.000	2	5.460	2,730.000	1	2.730	1,544.000	9	13.896	-	-	-	1,544.000	9	13.896
6.6) SSI Increment #11 LIS SPALT Installs	A		-	-	-	-	-	-	-	-	-	-	-	2.907	-	-	-	-	-	2.907
6.7) SSI Increment #13 Variable Energy Ejector Program (VEEP) Development	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.8) SSI Increment 15 Refresh/Redesign	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 4	P-1 Line Item Number / Title: 5358 / Strategic Missile Systems Equip	Aggregated Items Title: Strategic Missile Systems 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 ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
6.9) Detonator Power Assembly SPALT	A		2,810.000	1	2.810	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6.10) Detonator Relay Box SPALT	A		1,902.000	1	1.902	1,902.000	1	1.902	-	-	-	-	-	-	-	-	-	-	-	-
6.11) Hoist	A		1,556.500	2	3.113	1,556.500	2	3.113	1,556.500	2	3.113	1,585.000	2	3.170	-	-	-	1,585.000	2	3.170
6.12) Launcher SPALTs	A		-	-	-	-	-	-	-	-	-	-	-	2.760	-	-	-	-	-	2.760
Subtotal: 6) Alterations-Launcher and Handling Equipment			-	-	*18.113*	-	-	*17.721*	-	-	*13.066*	-	-	*23.771*	-	-	-	-	-	*23.771*
7) Alterations-Fire Control																				
7.1) SSI Increment #1 Production (SHIPALT/ SPALT)	A		3,029.111	9	27.262	4,203.000	3	12.609	-	-	-	-	-	-	-	-	-	-	-	-
7.2) SSI Increment #2 Refresh/Redesign	A		-	-	8.215	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.3) SSI Increment #2 Production	A		384.207	29	11.142	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.4) SSi Increment #4 Refresh/Redesign	A		-	-	14.831	-	-	5.735	-	-	5.867	-	-	1.018	-	-	-	-	-	1.018
7.5) SSI Increment #4 MOD 6 Refresh SPALT Kit Production	A		2,835.500	6	17.013	2,835.000	10	28.350	2,835.000	4	11.340	2,886.000	1	2.886	-	-	-	2,886.000	1	2.886
7.6) SSI Increment #4 Installs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.7) SSI Increment #10 Shipboard Data System (SDS) SPALT Refresh	A		-	-	-	-	-	-	-	-	-	-	-	5.804	-	-	-	-	-	5.804
7.8) SSI Increment #10 SDS SPALT Kits	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.9) SSI Increment #10 SDS Install	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.10) SSI Increment #11 System Integration Testing	A		-	-	2.908	-	-	2.496	-	-	-	-	-	-	-	-	-	-	-	-
7.11) SSI Increment #13 Refresh/Redesign	A		-	-	-	-	-	-	-	-	21.691	-	-	27.314	-	-	-	-	-	27.314
7.12) SSI Increment #13 FCS Electronics Refresh SPALT Kits	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.13) SSI Increment #13 Installs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.14) SSI Increment #15 Refresh/Redesign	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 4	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip	**Aggregated Items Title:** Strategic Missile Systems 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		
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7.15) Portable Computing Devices (PCD) Refresh SPALT	A		-	-	-	-	-	-	-	-	-	-	-	2.906	-	-	-	-	-	2.906
Subtotal: 7) Alterations-Fire Control			-	-	*81.371*	-	-	*49.190*	-	-	*38.898*	-	-	*39.928*	-	-	-	-	-	*39.928*
8) Alterations-Navigation Equipment																				
8.1) SSI Increment #4 Refresh/Redesign	A		-	-	51.993	-	-	5.657	-	-	3.110	-	-	-	-	-	-	-	-	-
8.2) SSI Increment #4 Engineering and Test	A		-	-	3.298	-	-	10.412	-	-	13.658	-	-	14.328	-	-	-	-	-	14.328
8.3) SSI Increment #4 On Board Repair Parts (OBRPs)	A		-	-	2.100	-	-	4.509	-	-	-	-	-	-	-	-	-	-	-	-
8.4) Pre-Production Units (PPUs) Navigation Electronics SPALT Kits	A		1,450.000	3	4.350	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.5) SSI Increment #4 Navigation Electronic SPALT Kits	A		-	-	-	1,000.000	11	11.000	1,000.000	10	10.000	-	-	-	-	-	-	-	-	-
8.6) SSI Increment #4 GPS Receiver Production	A		-	-	-	374.400	10	3.744	374.500	2	0.749	-	-	-	-	-	-	-	-	-
8.7) SSI Increment #4 Navigation SHIPALT and Install	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.8) SSI Increment #8 Refresh/Redesign	A		-	-	68.666	-	-	27.392	-	-	23.744	-	-	-	-	-	-	-	-	-
8.9) SSI Increment #8 Engineering and Test	A		-	-	-	-	-	-	-	-	-	-	-	57.500	-	-	-	-	-	57.500
8.10) SSI Increment #8 SPALT Engineering drawings	A		-	-	-	-	-	-	-	-	-	-	-	3.789	-	-	-	-	-	3.789
8.11) SSI Increment #8 Independent verification and validation (IV&V)	A		-	-	-	-	-	-	-	-	-	-	-	3.193	-	-	-	-	-	3.193
8.12) SSI Increment #8 EDM Inertial Navigation System (INS)	A		-	-	-	-	-	-	1,500.000	8	12.000	-	-	-	-	-	-	-	-	-
8.13) SSI Increment #8 EDM Gyroscope	A		-	-	-	-	-	-	400.000	30	12.000	-	-	-	-	-	-	-	-	-
8.14) SSI Increment #8 Pre-Production Gyroscope	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 4	**P-1 Line Item Number / Title:** 5358 / Strategic Missile Systems Equip	**Aggregated Items Title:** Strategic Missile Systems 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 ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
8.15) SSI Increment #8 Pre-Production INS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.16) SSI Increment #8 Production Gyroscope	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.17) SSI Increment #8 Production INS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.18) SSI Increment #8 On Board Repair Parts (OBRPs)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.19) SSi Increment #13 Redesign	A		-	-	-	-	-	-	-	-	-	-	-	8.905	-	-	-	-	-	8.905
8.20) SSI Increment #13 Navigation SPALT kit	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.21) SSI Increment #13 Installs	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.22) SSI Increment #15 Refresh/Redesign	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.23) Navigation Sonar System (NSS) Sensor Qualification	A		-	-	10.508	-	-	3.143	-	-	3.634	-	-	-	-	-	-	-	-	-
8.24) Legacy ESGN SPALTs	A		-	-	-	-	-	-	-	-	-	-	-	4.479	-	-	-	-	-	4.479
8.25) TSSS Transducer SPALTs	A		-	-	-	-	-	-	-	-	-	-	-	1.242	-	-	-	-	-	1.242
8.26) Navigation Software SPALTs	A		-	-	-	-	-	-	-	-	-	-	-	4.276	-	-	-	-	-	4.276
Subtotal: 8) Alterations-Navigation Equipment			-	-	*140.915*	-	-	*65.857*	-	-	*78.895*	-	-	*97.712*	-	-	-	-	-	*97.712*
9) Alterations-Instrumentation/Missle Checkout Equipment																				
9.1) Forecast Instrumentation SPALTs	A		-	-	1.442	-	-	0.734	-	-	0.747	-	-	0.749	-	-	-	-	-	0.749
9.2) SSI Increment #13 Missile Test & Readiness Equipment (MTRE) Refresh	A		-	-	-	-	-	-	-	-	4.688	-	-	2.306	-	-	-	-	-	2.306
Subtotal: 9) Alterations-Instrumentation/Missle Checkout Equipment			-	-	*1.442*	-	-	*0.734*	-	-	*5.435*	-	-	*3.055*	-	-	-	-	-	*3.055*
10) Training Support Equipment																				
10.1) Training Support Equipment	A		-	-	42.544	-	-	7.840	-	-	9.437	-	-	8.621	-	-	-	-	-	8.621
Subtotal: 10) Training Support Equipment			-	-	*42.544*	-	-	*7.840*	-	-	*9.437*	-	-	*8.621*	-	-	-	-	-	*8.621*

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
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Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)	Unit Cost ($ K)	Qty (Each)	Total Cost ($ M)
11) New START																				
11.1) Ballast Production & Support Equipment	A		-	-	0.850	-	-	-	-	-	4.025	-	-	3.300	-	-	-	-	-	3.300
11.2) Steel Closure Design, Procurement & Material	A		-	-	11.421	-	-	-	-	-	17.894	-	-	2.456	-	-	-	-	-	2.456
11.3) Material Support, Removed/ Converted Hardware	A		-	-	-	-	-	-	-	-	4.000	-	-	11.900	-	-	-	-	-	11.900
Subtotal: 11) New START			-	-	*12.271*	-	-	-	-	-	*25.919*	-	-	*17.656*	-	-	-	-	-	*17.656*
Total			**-**	**-**	**358.249**	**-**	**-**	**169.105**	**-**	**-**	**224.484**	**-**	**-**	**229.832**	**-**	**-**	**-**	**-**	**-**	**229.832**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems

ID Code (A=Service Ready, B=Not Service Ready) : A | **Program Elements for Code B Items:** | **Other Related Program Elements:** 0604562N

Resource Summary	Prior Years	FY 2013	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)*	725.187	59.433	73.078	66.020	-	66.020	118.540	146.231	176.877	264.308	68.732	1,698.406
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	725.187	59.433	73.078	66.020	-	66.020	118.540	146.231	176.877	264.308	68.732	1,698.406
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**725.187**	**59.433**	**73.078**	**66.020**	**-**	**66.020**	**118.540**	**146.231**	**176.877**	**264.308**	**68.732**	**1,698.406**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	1.550	3.307	1.951	-	1.951	3.029	1.950	3.447	0.929	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:

VB011 - COMBAT SYSTEMS TECHNOLOGY REFRESH / LEGACY INTEGRATION
Procures tactical control hardware upgrades to SSN688, SSN688I, SSBN, SSN 21, and SSGN Class submarines for legacy combat control systems. These updates provide accelerated delivery of tactical capability to the fleet and bridge the gap between legacy combat control systems and AN/BYG-1. Procures Engineering Changes (EC) and Ordnance Alterations (ORDALT) to correct fleet reported problems with legacy Combat Control System software and hardware. Procures Weapons Launch System, Multi-tube Weapon System (MTWS) and provides support for fleet introduction of the Common Weapon Launcher (CWL) transition and integration into the TI/APB process. Provides system engineering in support of Tactical Local Area Network (TacLAN); Information Assurance (IA); Onboard Team Trainer (OBTT); and Command, Control, Computer and Intelligence Maintenance Tool (C3IMT).

VB034 - SUBMARINE COMBAT CONTROL SYSTEM MODERNIZATION PROGRAM
This cost code procures hardware and software upgrades for the AN/BYG-1 system for installation on all submarine platforms. The AN/BYG-1 is the combat control system common across all submarine platforms which incorporates tactical control, weapon control and Tactical Local Area Network (TacLAN) functions into a single procurement program. AN/BYG-1 allows the submarine Navy to rapidly update the ship safety tactical picture, integrates the common tactical picture into the battlegroup, improves torpedo interfaces and provides tactical TOMAHAWK capability. AN/BYG-1 systems will be continuously updated with hardware enhancements to address COTS obsolescence and capability improvements as defined by the Advanced Processor Build (APB) process. These updates are referred to as Tech Insertion (TI) kits and are differentiated by year of development (i.e. TI10, TI12, etc). The TI upgrades provide the baseline for all future AN/BYG-1 procurements. In addition, this budget also provides tech insertion "kits" to update existing AN/BYG-1 platforms. The AN/BYG-1 nomenclature was adopted in FY05 and out to incorporate the addition of Virginia Class Combat Control System to a common acquisition and development strategy. This allows for AN/BYG-1 to be the common combat control system nomenclature across all submarine platforms. Funds are for the installation of Combat Control System equipment included in the Fleet Modernization Program.

Note: On the P3A for VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS, the procurement quantity reduction from 4 in FY13 to 1 in FY13 is due to FY13 sequestration.

VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING - This cost code procures production and logistics support, assistance for asset management, cost analyses, preparation of contract specifications, monitoring of contract deliverables, contractor cost, schedule and performance monitoring, Integrated Logistics Support (ILS) planning and Government Furnished Information (GFI) coordination. This cost code also provides initial training curriculum development, training management materials, exercise control group development, and pilot services to the Fleet.

VB997 - SSGN SUSTAINING SUPPORT

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements: 0604562N	

The SSP funding provides for the procurement, installation and sustainment of equipment required for the life-cycle operational support of SSGN Attack Weapons Systems (AWS) for the four OHIO-class SSGNs. OPN sustaining support funding provides for SSGN AWS logistics acquisition support and for Attack Weapon Control System (AWCS) alterations that provide technical refresh updates to the AWCS and to two shore-based trainers located at Kings Bay, GA and Bangor, WA. The AWCS alterations will provide technical refresh upgrades to include the Tactical TOMAHAWK Weapon Control Systems (TTWCS) 5.4.1 and TOMAHAWK Command and Control System (TC2S) software necessary to ensure the long-term safety, reliability and maintainability of the Attack Weapons Control System. TTWCS 5.4.1 and TC2S software are required for the SSGN Strike Operations to continue the Fleet's mission.

OTHER INFORMATION
Developmental efforts are funded by Program Element 0604562N within the SSN Combat Control System Improvement Program F0236.

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 Combat Control Systems	P-40a		-	-	290.259	-	-	15.176	-	-	36.990	-	-	14.342	-	-	-	-	-	14.342
P-3a - 1 / VB034 AN/ BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS	P-3a		-	-	298.581	-	-	6.668	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 2 / VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/BYG-1	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS	P-3a		-	-	36.399	-	-	14.741	-	-	10.013	-	-	8.499	-	-	-	-	-	8.499
P-3a - 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS	P-3a		-	-	22.053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS	P-3a		-	-	9.456	-	-	3.794	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS	P-3a		-	-	68.439	-	-	19.054	-	-	26.075	-	-	36.392	-	-	-	-	-	36.392
P-3a - 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	6.787	-	-	-	-	-	6.787
Total Gross/Weapon System Cost			**-**	**-**	**725.187**	**-**	**-**	**59.433**	**-**	**-**	**73.078**	**-**	**-**	**66.020**	**-**	**-**	**-**	**-**	**-**	**66.020**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements: 0604562N	

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 Combat Control Systems	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / VB034 AN/ BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS	P-3a		-	-	2.520	-	-	3.500	-	-	-	-	-	-	-	-	-	-	-	311.269
P-3a - 2 / VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/BYG-1	P-3a		-	-	8.348	-	-	21.339	-	-	26.060	-	-	37.593	-	-	27.192	-	-	120.532
P-3a - 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS	P-3a		-	-	1.737	-	-	-	-	-	-	-	-	-	-	-	-	-	-	71.389
P-3a - 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS	P-3a		-	-	-	-	-	-	-	-	6.243	-	-	10.986	-	-	4.712	-	-	43.994
P-3a - 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS	P-3a		-	-	6.048	-	-	11.771	-	-	4.429	-	-	-	-	-	-	-	-	35.498
P-3a - 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS	P-3a		-	-	34.732	-	-	40.872	-	-	45.976	-	-	65.227	-	-	31.209	-	-	367.976
P-3a - 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS	P-3a		-	-	22.485	-	-	33.606	-	-	28.840	-	-	27.549	-	-	5.619	-	-	124.886
Total Gross/Weapon System Cost			**-**	**-**	**118.540**	**-**	**-**	**146.231**	**-**	**-**	**176.877**	**-**	**-**	**264.308**	**-**	**-**	**68.732**	**-**	**-**	**1,698.406**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Aggregated Items Title:** SSN Combat Control 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION																				
1.1) VB011 Prior Years	A		-	-	13.416	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ECP/AUXILLARY EQUIPMENT / LEGACY INTEGRATION	A		-	-	0.287	-	-	-	-	-	2.147	-	-	1.005	-	-	-	-	-	1.005
1.3) WEAPON LAUNCH SYSTEMS TECH INSERTION	A		-	-	1.700	-	-	-	-	-	6.693	-	-	5.888	-	-	-	-	-	5.888
1.4) TACLAN/IA	A		-	-	77.472	-	-	7.848	-	-	10.604	-	-	4.165	-	-	-	-	-	4.165
Subtotal: 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION			-	-	*92.875*	-	-	*7.848*	-	-	*19.444*	-	-	*11.058*	-	-	-	-	-	*11.058*
2) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING																				
2.1) PRODUCTION ENGINEERING AND INITIAL TRAINING	A		-	-	43.910	-	-	6.472	-	-	6.588	-	-	3.079	-	-	-	-	-	3.079
Subtotal: 2) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING			-	-	*43.910*	-	-	*6.472*	-	-	*6.588*	-	-	*3.079*	-	-	-	-	-	*3.079*
3) VB997 SSGN SUSTAINING SUPPORT																				
3.1) SSGN SUSTAINING SUPPORT	A		-	-	47.738	-	-	0.856	-	-	10.958	-	-	0.205	-	-	-	-	-	0.205
Subtotal: 3) VB997 SSGN SUSTAINING SUPPORT			-	-	*47.738*	-	-	*0.856*	-	-	*10.958*	-	-	*0.205*	-	-	-	-	-	*0.205*
4) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS																				
4.1) VB034 TECHNOLOGY INSERTION (TI00/ TI02 BASELINE) SSN688 CLASS	A		7,017K	14	98.236	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS			-	-	*98.236*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT																				
5.1) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT	A		2,500K	3	7.500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Aggregated Items Title:** SSN Combat Control 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 ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: 5) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT			-	-	*7.500*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**290.259**	**-**	**-**	**15.176**	**-**	**-**	**36.990**	**-**	**-**	**14.342**	**-**	**-**	**-**	**-**	**-**	**14.342**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Aggregated Items Title:** SSN Combat Control Systems

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) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION																				
1.1) VB011 Prior Years	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ECP/AUXILLARY EQUIPMENT / LEGACY INTEGRATION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) WEAPON LAUNCH SYSTEMS TECH INSERTION	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.4) TACLAN/IA	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) VB011 COMBAT SYSTEM TECH REFRESH/LEGACY INTEGRATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING																				
2.1) PRODUCTION ENGINEERING AND INITIAL TRAINING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VB995 PRODUCTION ENGINEERING AND INITIAL TRAINING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) VB997 SSGN SUSTAINING SUPPORT																				
3.1) SSGN SUSTAINING SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) VB997 SSGN SUSTAINING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS																				
4.1) VB034 TECHNOLOGY INSERTION (TI00/ TI02 BASELINE) SSN688 CLASS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) PRIOR YEAR VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN688 CLASS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT																				
5.1) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Aggregated Items Title:** SSN Combat Control Systems

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)
Subtotal: 5) VBG86 NAVAL INTELLIGENCE FUSION TOOL (NIFT) NIFT PROCUREMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS

Resource Summary	Prior Years	FY 2013	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)*	298.581	6.668	-	-	-	-	2.520	3.500	-	-	-	311.269
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	298.581	6.668	-	-	-	-	2.520	3.500	-	-	-	311.269
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**298.581**	**6.668**	**-**	**-**	**-**	**-**	**2.520**	**3.500**	**-**	**-**	**-**	**311.269**
(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:
This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS
Models of Systems Affected: VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	27 / 135.825	- / -	- / -	- / -	- / -	- / -	1 / 2.520	- / -	- / -	- / -	- / -	28 / 138.345
Subtotal: Recurring	*- / 135.825*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.520*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 138.345*
Subtotal: VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS	*27 / 135.825*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*1 / 2.520*	*- / -*	*- / -*	*- / -*	*- / -*	*28 / 138.345*
Subtotal: Procurement, All Modification Items	*- / 135.825*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 2.520*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 138.345*
Installation												
Modification Item 1 of 1: VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS	- / 162.756	- / 6.668	- / -	- / -	- / -	- / -	- / -	- / 3.500	- / -	- / -	- / -	- / 172.924
Subtotal: Installation	*- / 162.756*	*- / 6.668*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.500*	*- / -*	*- / -*	*- / -*	*- / 172.924*
Total												
Total Cost (Procurement + Support + Installation)	**298.581**	**6.668**	**-**	**-**	**-**	**-**	**2.520**	**3.500**	**-**	**-**	**-**	**311.269**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 1 / VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS

Modification Item 1 of 1: VB034 AN/BYG-1 TI-04 AND LATER SYSTEMS SSN 688 CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
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: 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	26 / 162.756	1 / 6.668	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	27 / 169.424
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 3.500	- / -	- / -	- / -	1 / 3.500
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	26 / 162.756	1 / 6.668	- / -	- / -	- / -	- / -	- / -	1 / 3.500	- / -	- / -	- / -	28 / 172.924

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	26	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	28
Out	26	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	28

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 2 / VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/ BYG-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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	-	-	-	8.348	21.339	26.060	37.593	27.192	120.532
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	-	-	-	8.348	21.339	26.060	37.593	27.192	120.532
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**-**	**-**	**-**	**8.348**	**21.339**	**26.060**	**37.593**	**27.192**	**120.532**
(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:
SSBN 726 Class Submarines will be modernized from the CCS MK2 BLOCK 1C system to the TI/APB model.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 2 / VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/ BYG-1
Models of Systems Affected: SSBN CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/ BYG-1												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.348	2 / 8.489	3 / 12.978	4 / 17.616	- / -	11 / 47.431
Subtotal: Recurring	- */ 0.000*	- / -	- / -	- / -	- / -	- / -	- */ 8.348*	- */ 8.489*	- */ 12.978*	- */ 17.616*	- / -	- */ 47.431*
Subtotal: VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/BYG-1	- / -	- / -	- / -	- / -	- / -	- / -	*2 / 8.348*	*2 / 8.489*	*3 / 12.978*	*4 / 17.616*	- / -	*11 / 47.431*
Subtotal: Procurement, All Modification Items	- */ 0.000*	- / -	- / -	- / -	- / -	- / -	- */ 8.348*	- */ 8.489*	- */ 12.978*	- */ 17.616*	- / -	- */ 47.431*
Installation												
Modification Item 1 of 1: VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/BYG-1	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / -	- / 12.850	- / 13.082	- / 19.977	- / 27.192	- / 73.101
Subtotal: Installation	- */ 0.000*	- / -	- / -	- / -	- / -	- / -	- / -	- */ 12.850*	- */ 13.082*	- */ 19.977*	- */ 27.192*	- */ 73.101*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**-**	**-**	**-**	**8.348**	**21.339**	**26.060**	**37.593**	**27.192**	**120.532**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 2 / VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/ BYG-1

Modification Item 1 of 1: VB034 TECHNOLOGY INSERTION SSBN MODERNIZATION WITH AN/BYG-1

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
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 2016	Mar 2017	Mar 2018	Mar 2019
Delivery Dates				Mar 2017	Mar 2018	Mar 2019	Mar 2020

Installation Information

Method of Implementation: AIT : Installation Name: EQUIPMENT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 12.850	- / -	- / -	- / -	2 / 12.850
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 13.082	- / -	- / -	2 / 13.082
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 19.977	- / -	3 / 19.977
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 27.192	4 / 27.192
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 12.850	2 / 13.082	3 / 19.977	4 / 27.192	11 / 73.101

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	4	11
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	1	-	-	1	1	1	4	11

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS

Resource Summary	Prior Years	FY 2013	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)*	36.399	14.741	10.013	8.499	-	8.499	1.737	-	-	-	-	71.389
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	36.399	14.741	10.013	8.499	-	8.499	1.737	-	-	-	-	71.389
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**36.399**	**14.741**	**10.013**	**8.499**	**-**	**8.499**	**1.737**	**-**	**-**	**-**	**-**	**71.389**
(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:

This program will provide upgrades for submarine combat systems with upgraded combat control and tactical control hardware and software. This program funds the procurement and installation of the first Virginia Class upgrade and, beginning in FY10, installation of the second and third upgrade kits as well as procurement and installation of all subsequent Virginia Class AN/BYG-1 upgrade kits. Milestone Decision Authority (MDA) Production Reviews are being held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS
Models of Systems Affected: TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	6 / 28.179	2 / 13.097	1 / 6.667	1 / 6.794	- / -	1 / 6.794	- / -	- / -	- / -	- / -	- / -	10 / 54.737
Subtotal: Recurring	*- / 28.179*	*- / 13.097*	*- / 6.667*	*- / 6.794*	*- / -*	*- / 6.794*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 54.737*
Subtotal: VB034 TECHNOLOGY INSERTION (TI00/ TI02 BASELINE) SSN774 CLASS	*6 / 28.179*	*2 / 13.097*	*1 / 6.667*	*1 / 6.794*	*- / -*	*1 / 6.794*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*10 / 54.737*
Subtotal: Procurement, All Modification Items	*- / 28.179*	*- / 13.097*	*- / 6.667*	*- / 6.794*	*- / -*	*- / 6.794*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 54.737*
Installation												
Modification Item 1 of 1: VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS	- / 8.220	- / 1.644	- / 3.346	- / 1.705	- / -	- / 1.705	- / 1.737	- / -	- / -	- / -	- / -	- / 16.652
Subtotal: Installation	*- / 8.220*	*- / 1.644*	*- / 3.346*	*- / 1.705*	*- / -*	*- / 1.705*	*- / 1.737*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 16.652*
Total												
Total Cost (Procurement + Support + Installation)	**36.399**	**14.741**	**10.013**	**8.499**	**-**	**8.499**	**1.737**	**-**	**-**	**-**	**-**	**71.389**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 3 / VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS

Modification Item 1 of 1: VB034 TECHNOLOGY INSERTION (TI00/TI02 BASELINE) SSN774 CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 12

Dates	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019
Contract Dates	Mar 2013	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
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 8.220	1 / 1.644	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 9.864
FY 2013	- / -	- / -	2 / 3.346	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.346
FY 2014	- / -	- / -	- / -	1 / 1.705	- / -	1 / 1.705	- / -	- / -	- / -	- / -	- / -	1 / 1.705
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.737	- / -	- / -	- / -	- / -	1 / 1.737
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	5 / 8.220	1 / 1.644	2 / 3.346	1 / 1.705	- / -	1 / 1.705	1 / 1.737	- / -	- / -	- / -	- / -	10 / 16.652

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10
Out	5	-	-	1	-	-	-	1	1	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS

Resource Summary	Prior Years	FY 2013	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)*	22.053	-	-	-	-	-	-	-	6.243	10.986	4.712	43.994
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	22.053	-	-	-	-	-	-	-	6.243	10.986	4.712	43.994
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**22.053**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.243**	**10.986**	**4.712**	**43.994**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:
This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS
Models of Systems Affected: UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	4 / 10.912	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.243	2 / 6.362	- / -	8 / 23.517
Subtotal: Recurring	*- / 10.912*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 6.243*	*- / 6.362*	*- / -*	*- / 23.517*
Subtotal: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS	*4 / 10.912*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*2 / 6.243*	*2 / 6.362*	*- / -*	*8 / 23.517*
Subtotal: Procurement, All Modification Items	*- / 10.912*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 6.243*	*- / 6.362*	*- / -*	*- / 23.517*
Installation												
Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS	- / 11.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 4.624	- / 4.712	- / 20.477
Subtotal: Installation	*- / 11.141*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 4.624*	*- / 4.712*	*- / 20.477*
Total												
Total Cost (Procurement + Support + Installation)	**22.053**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.243**	**10.986**	**4.712**	**43.994**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 4 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS

Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSGN CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
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 2018	
Delivery Dates						Mar 2019	

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	4 / 11.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 11.141
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.624	- / -	2 / 4.624
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.712	2 / 4.712
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	4 / 11.141	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 4.624	2 / 4.712	8 / 20.477

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	2	8
Out	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	2	8

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS

Resource Summary	Prior Years	FY 2013	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)*	9.456	3.794	-	-	-	-	6.048	11.771	4.429	-	-	35.498
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	9.456	3.794	-	-	-	-	6.048	11.771	4.429	-	-	35.498
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**9.456**	**3.794**	**-**	**-**	**-**	**-**	**6.048**	**11.771**	**4.429**	**-**	**-**	**35.498**
(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:
This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS
Models of Systems Affected: UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	3 / 7.305	- / -	- / -	- / -	- / -	- / -	2 / 6.048	1 / 3.079	- / -	- / -	- / -	6 / 16.432
Subtotal: Recurring	*- / 7.305*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 6.048*	*- / 3.079*	*- / -*	*- / -*	*- / -*	*- / 16.432*
Subtotal: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS	*3 / 7.305*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*2 / 6.048*	*1 / 3.079*	*- / -*	*- / -*	*- / -*	*6 / 16.432*
Subtotal: Procurement, All Modification Items	*- / 7.305*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 6.048*	*- / 3.079*	*- / -*	*- / -*	*- / -*	*- / 16.432*
Installation												
Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS	- / 2.151	- / 3.794	- / -	- / -	- / -	- / -	- / -	- / 8.692	- / 4.429	- / -	- / -	- / 19.066
Subtotal: Installation	*- / 2.151*	*- / 3.794*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 8.692*	*- / 4.429*	*- / -*	*- / -*	*- / 19.066*
Total												
Total Cost (Procurement + Support + Installation)	**9.456**	**3.794**	**-**	**-**	**-**	**-**	**6.048**	**11.771**	**4.429**	**-**	**-**	**35.498**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 5 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS

Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN21 CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
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 2016	Mar 2017		
Delivery Dates				Mar 2017	Mar 2018		

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	1 / 2.151	2 / 3.794	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.945
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 8.692	- / -	- / -	- / -	2 / 8.692
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 4.429	- / -	- / -	1 / 4.429
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 2.151	2 / 3.794	- / -	- / -	- / -	- / -	- / -	2 / 8.692	1 / 4.429	- / -	- / -	6 / 19.066

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	1	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	-	6
Out	1	-	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	1	-	-	-	-	-	-	6

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS

Resource Summary	Prior Years	FY 2013	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)*	68.439	19.054	26.075	36.392	-	36.392	34.732	40.872	45.976	65.227	31.209	367.976
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	68.439	19.054	26.075	36.392	-	36.392	34.732	40.872	45.976	65.227	31.209	367.976
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**68.439**	**19.054**	**26.075**	**36.392**	**-**	**36.392**	**34.732**	**40.872**	**45.976**	**65.227**	**31.209**	**367.976**
(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:
This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS
Models of Systems Affected: UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS												
B Kits												
Recurring												
2.1.1) EQUIPMENT - NonOrganic [(1)]	16 / 40.831	1 / 2.866	8 / 23.344	3 / 8.920	- / -	3 / 8.920	8 / 24.232	4 / 12.344	10 / 31.440	9 / 28.827	- / -	59 / 172.804
Subtotal: Recurring	*- / 40.831*	*- / 2.866*	*- / 23.344*	*- / 8.920*	*- / -*	*- / 8.920*	*- / 24.232*	*- / 12.344*	*- / 31.440*	*- / 28.827*	*- / -*	*- / 172.804*
Subtotal: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS	*16 / 40.831*	*1 / 2.866*	*8 / 23.344*	*3 / 8.920*	*- / -*	*3 / 8.920*	*8 / 24.232*	*4 / 12.344*	*10 / 31.440*	*9 / 28.827*	*- / -*	*59 / 172.804*
Subtotal: Procurement, All Modification Items	*- / 40.831*	*- / 2.866*	*- / 23.344*	*- / 8.920*	*- / -*	*- / 8.920*	*- / 24.232*	*- / 12.344*	*- / 31.440*	*- / 28.827*	*- / -*	*- / 172.804*
Installation												
Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS	- / 27.608	- / 16.188	- / 2.731	- / 27.472	- / -	- / 27.472	- / 10.500	- / 28.528	- / 14.536	- / 36.400	- / 31.209	- / 195.172
Subtotal: Installation	*- / 27.608*	*- / 16.188*	*- / 2.731*	*- / 27.472*	*- / -*	*- / 27.472*	*- / 10.500*	*- / 28.528*	*- / 14.536*	*- / 36.400*	*- / 31.209*	*- / 195.172*
Total												
Total Cost (Procurement + Support + Installation)	**68.439**	**19.054**	**26.075**	**36.392**	**-**	**36.392**	**34.732**	**40.872**	**45.976**	**65.227**	**31.209**	**367.976**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 6 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS

Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN688 CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 12

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

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	10 / 27.608	6 / 16.188	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	16 / 43.796
FY 2013	- / -	- / -	1 / 2.731	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 2.731
FY 2014	- / -	- / -	- / -	8 / 27.472	- / -	8 / 27.472	- / -	- / -	- / -	- / -	- / -	8 / 27.472
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	3 / 10.500	- / -	- / -	- / -	- / -	3 / 10.500
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	8 / 28.528	- / -	- / -	- / -	8 / 28.528
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 14.536	- / -	- / -	4 / 14.536
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 36.400	- / -	10 / 36.400
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 31.209	9 / 31.209
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	10 / 27.608	6 / 16.188	1 / 2.731	8 / 27.472	- / -	8 / 27.472	3 / 10.500	8 / 28.528	4 / 14.536	10 / 36.400	9 / 31.209	59 / 195.172

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	1	1	-	1	-	-	-	4	4	-	-	1	2	-	-	4	4	-	-	2	2	-	-	5	5	-	9	59
Out	10	-	2	2	1	1	-	1	-	-	-	4	4	-	-	1	2	-	-	4	4	-	-	2	2	-	-	5	5	9	59

Footnotes:

(1) Note: the procurement quantity reduction from 4 in FY13 to 1 in FY13 is due to FY13 sequestration.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS

Resource Summary	Prior Years	FY 2013	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	-	-	6.787	-	6.787	22.485	33.606	28.840	27.549	5.619	124.886
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	6.787	-	6.787	22.485	33.606	28.840	27.549	5.619	124.886
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**6.787**	**-**	**6.787**	**22.485**	**33.606**	**28.840**	**27.549**	**5.619**	**124.886**
(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:
This program will provide submarine combat control systems with COTS-based upgrades to combat control and tactical control hardware and software. Milestone Decision Authority (MDA) Production Reviews are held on an annual basis.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS
Models of Systems Affected: UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS	**Modification Type:** UPGRADE	**Related RDT&E PEs:** 0604562N

Financial Plan	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS												
B Kits												
Recurring												
1.1.1) EQUIPMENT - NonOrganic	- / -	- / -	- / -	1 / 6.787	- / -	1 / 6.787	3 / 20.748	4 / 28.296	3 / 21.624	3 / 22.035	- / -	14 / 99.490
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 6.787*	*- / -*	*- / 6.787*	*- / 20.748*	*- / 28.296*	*- / 21.624*	*- / 22.035*	*- / -*	*- / 99.490*
Subtotal: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS	*- / -*	*- / -*	*- / -*	*1 / 6.787*	*- / -*	*1 / 6.787*	*3 / 20.748*	*4 / 28.296*	*3 / 21.624*	*3 / 22.035*	*- / -*	*14 / 99.490*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 6.787*	*- / -*	*- / 6.787*	*- / 20.748*	*- / 28.296*	*- / 21.624*	*- / 22.035*	*- / -*	*- / 99.490*
Installation												
Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS	- / 0.000	- / -	- / -	- / -	- / -	- / -	- / 1.737	- / 5.310	- / 7.216	- / 5.514	- / 5.619	- / 25.396
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.737*	*- / 5.310*	*- / 7.216*	*- / 5.514*	*- / 5.619*	*- / 25.396*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**6.787**	**-**	**6.787**	**22.485**	**33.606**	**28.840**	**27.549**	**5.619**	**124.886**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5420 / SSN Combat Control Systems	**Modification Number / Title:** 7 / VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS

Modification Item 1 of 1: VB034 UPGRADES FROM TI04 AND OUT BASELINE SSN774 CLASS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Various	Manufacturer Location: >Various
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: EQUIPMENT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.737	- / -	- / -	- / -	- / -	1 / 1.737
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.310	- / -	- / -	- / -	3 / 5.310
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 7.216	- / -	- / -	4 / 7.216
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.514	- / -	3 / 5.514
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 5.619	3 / 5.619
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.737	3 / 5.310	4 / 7.216	3 / 5.514	3 / 5.619	14 / 25.396

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	2	1	-	3	14
Out	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	1	2	-	-	2	2	-	-	2	1	3	14

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	7.559	-	7.559	30.369	29.111	24.517	25.043	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	7.559	-	7.559	30.369	29.111	24.517	25.043	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**7.559**	**-**	**7.559**	**30.369**	**29.111**	**24.517**	**25.043**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

ORDNANCE SUPPORT EQUIPMENT provides funds for the procurement of gun, missile, and ASW fire control and support equipment, mine components, FBM support equipment, and support for other expendable ordnance. This budget activity is coordinated by the Naval Sea Systems Command.

ASW SUPPORT EQUIPMENT (Starting with FY 2015, all Submarine ASW Support Equipment OPN BLI 5431, Surface ASW Support Equipment OPN BLI 5449 and BLI 5455 funding was moved under ASW Support Equipment OPN BLI 5429 for budget consolidation purposes):

This line item (Cost Codes 6A002/6A830/6A5IN) provides funding for modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.

This line item (Cost Codes 6B001/6B004/6B900/6B6IN) provides funding to procure Reliability, Maintainability and Availability (RM&A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age. This line item is coordinated by the Naval Sea Systems Command.

This line item (Cost Codes 6C001-6C007/6C830/6C850/ 6C970) provides funding for the procurement of training range and shore equipment, Test and Evaluation (T&E), acoustic trial range equipment, and weapon system and test equipment. Equipment procured includes instrumentation for US Fleet Operational Readiness Accuracy Check Sites (FORACS) Program, equipment required to conduct fleet exercises at Navy ASW Training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program, Surface Ship Combat Ship Qualification Trial (CSSQT), and equipment for the Surface Ship Radiated Noise Measurement (SSRNM) Program. Training and T&E ranges include; Southern California Offshore Range (SCORE), Barking Sands Tactical Underwater Range/Barking Sands Underwater Range Extension (BARSTUR/BSURE), Atlantic Underwater Test and Evaluation Center (AUTEC), Nanoose and Dabob Bay. FORACS ranges include; Andros Island and Southern California.

[P40A / 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT]: 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	P-1 Line Item Number / Title: 5429 / ASW Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

The Submarine Torpedo Tube Support category funds in-service support and alteration procurements for all submarine torpedo tubes (TT), torpedo ejection pumps (TEP), internal countermeasure launchers (ICL), and weapons stowage and handling systems (WSHS). Development efforts under this item number include Engineering Change Proposals, ORDALTs, Type Zero (TZ) kits and Test Equipment and alteration material procurement to correct significant deficiencies in equipment affecting personnel safety, ship safety and system performance.

[P40A / 6A830 - PRODUCTION ENGINEERING]: 6A830 - PRODUCTION ENGINEERING
Production engineering includes resolving Liaison Action Requests (LARs) configure/test assembly in lab prior to ship installation and in-shop engineering support of vendor testing.

[P40A - 2 / 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS]: 6B001 Cost Elements/Descriptions as follows:

ASWCS - UFCS/Control Panel ORDALTs: Provides funding for ORDALT kits for the ASW Underwater Fire Control System (UFCS) and Control Panel (MK309), ASW Control System (ASWCS) MK116 Mod 7, Torpedo Setting Panel (MK331), and the Torpedo Pre-Setter Test Set (MK432). ORDALT procurements include a MK432 Mod 6 test set which provides for the addition of wide angle display, cable terminations and tech refresh of obsolete motherboard parts. Also provides material support at multiple land-based laboratories as well as material support for upgrades and calibrations. Procurements will ensure laboratories are at Fleet baseline configurations.

ASWCS - Production Engineering Support: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), Ship Change Documents (SCDs), and engineering audits for ASW Fire Control. Reviews and approves internal and external system interfaces (hardware and integration related) and identify interface issues.

ASWCS - Acceptance Test & Evaluation: Provides the in-house acceptance test and evaluation funding associated with the safety and quality assurance testing of all ASW Fire Control, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.

[P40A - 2 / 6B004 - TORPEDO TUBE ORDALTS]: 6B004 Cost Elements/Descriptions as follows:

SVTT - MK32 ORDALTS: The SVTT MK32 is an over-the-side torpedo defense surface ship launched system that conducts close-in ASW operations. This line provides funding for SVTT MK32 launchers, Torpedo Loading Trays (TLTs), and ancillary equipment for testing, training, and maintainability on select surface ship combatants. ORDALT procurements include: Emergency Fire Circuit and Mount to Magazine Door Interoperability Circuit Improvements (SVTT MK32 Mod 19 only - ORDALT 76463); Overheat Sensor Test Set (SVTT MK32 Mod 15 Only - ORDALT 412-01-019); Locking Handle Securing Device (SVTT MK32 All Mods - ORDALT 412-01-031); Pressure Switch Assembly Replacement (SVTT MK32 All Mods - ORDALT 73191); Torpedo MK54 SVTT Upgrades for select CGs not scheduled for early decommissioning (SVTT MK32 Mods 14 Only - ORDALT 76008; Funding ended in FY13); Safe/Ready Lever Modification (SVTT MK32 Mod 15 Only - ORDALT 73440); Breech Mechanism Control Valve Redesign (SVTT MK32 All Mods - ORDALT TBD); Securing Mechanism Shoulder Bolt Retention (SVTT MK32 All Mods - ORDALT 412-04-025); Over-Heat Sensor Assembly Modification (SVTT MK32 Mod 15 Only - ORDALT 412-05-015); Training Gear Handcrank Support Improvements (SVTT MK32 Mods 15 Only - ORDALT TBD) and Air Charging Panel Regulator Improvements (SVTT MK32 MOD 15 Only - ORDALT TBD). Procure SVTT shoresite laboratory equipment for Launcher System Facilities (LSF). LSFs are used to simulate shipboard conditions for over-the-side torpedo launchers, as well as for the creation of the required ORDALTs.

SVTT - Production Engineering: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), SCDs, and engineering audits for SVTT ORDALTs.

SVTT - Acceptance Test & Evaluation: Provides the in-house acceptance test and evaluation funding required for the safety and quality assurance testing of all SVTT ORDALTs, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.

[P40A - 2 / 6B900 - CONSULTING SERVICES]: 6B900 Cost Element/Description as Follows:

Provides the necessary funding for consulting services required to support scheduling of ASW Fire Control and SVTT ORDALT production, test, and installation efforts in conjunction with operation, safety, and environmental requirements.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	P-1 Line Item Number / Title: 5429 / ASW Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

[P40A - 2 / 6B6IN - INSTALLATION OF EQUIPMENT - N96]: 6B6IN Cost Element/Description as follows:

Funds the installation of all ASW Fire Control (under Cost Code 6B001) and SVTT (under Cost Code 6B004) ORDALTs/SCDs. ORDALT/SCD Alteration Installation Team (AIT) pier-side installations are variable and contingent on Type Commander (TYCOM), Ships' Scheduling Conference (SSC), and ships' availability.

[P40A - 3 / 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Accuracy Check Sites (FORACS) - N96]: Funding provides for the procurement of range communication systems, ship auto-tracking system, Surface Ship Acoustic Range Equipment, and upgraded ship position tracking system for the Surface Ship Radiated Noise Measurement (SSRNM) and US Fleet Operational Readiness Accuracy Check Sites (FORACS) programs. Funding also provides for improvements, modernizations, and upgrades to systems and equipment.

[P40A - 3 / 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98]: Funding provides for the procurement of shipboard underwater tracking equipment for existing ranges on both coasts and in Hawaii, shop special purpose Pinger test equipment, and the associated cables/mounting hardware required to track ships and submarines conducting Fleet exercises at the Navy training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program. Funding provides all of the Navy Underwater Ranges with tracking equipment because the equipment must be compatible with underwater vehicles (i.e. ships, submarines, torpedoes, mines and sonars). Funding also provides for improvements, modernizations, and upgrades to systems and equipment. Funding plus-up starting in FY14 is for an obsolescence driven upgrade to the submarine Underwater Tracking System (UTS). Funding will provide for procurement of underwater tracking equipment for submarines operating on Undersea Ranges including 65 UTS shipboard units, TEMPALT modifications and training.

[P40A - 3 / 6C003 - TOWED TARGETS]: The Fleet requires low cost expendable towed targets for weapon system T&E and Fleet training. The Low Cost Modular Target (LCMT) is the primary towed target used to meet these requirements in future years. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.

[P40A - 3 / 6C004 - INSTRUMENTATION]: Seaborne target augmentation systems include transponders (i.e. transmitters/receivers), radar reflectors, radio frequency (RF) emitters and ground support equipment (GSE). Various electronic components provide the interface for the target control systems with the control stations/facilities for drone operations. RF emitters and radar reflectors enhance target threat replication and provide the required stimulus for anti-surface/radar weapons systems. FY13 reflects one time procurement of Multiple Integrated Laser Engagement System (MILES) gear which will be used on-board HSMSTs and other seaborne targets for counter-swarm training.

[P40A - 3 / 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)]: Provides the user with a medium to high speed remote controlled surface target with a high degree of maneuverability. It has a form fitted collar surrounding the deck area of the aluminum hull. This target can exceed 45 knots in a calm sea and approaches 40 knots in a sea state 3. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.

[P40A - 3 / 6C006 - SDST (Ship Deployable Surface Target)]: SDST (Ship Deployable Surface Target) is used to support Fleet training and T&E exercises. This target supports training requirements of deploying ships and aircraft and surface gunnery requirements.

[P40A - 3 / 6C007 - FACT (Fast Attack Craft Target)]: FACT (Fast Attack Craft Target) is required to meet T&E requirements for weapon systems tests and Fleet training. The exercises require a target to represent missile capable patrol craft operating at speeds of 50 knots in sea state 2 conditions.

[P40A - 3 / 6C830 - PRODUCTION ENGINEERING]: _
Funding provides for Production Engineering performed by a field activity or contractor during the production phase of these projects. (S05)

[P40A - 3 / 6C850 - PRODUCT IMPROVEMENT]: _
Funding provides for Product Improvement performed by a field activity or contractor during the production phase of these projects. (S05)

[P40A - 3 / 6C970 - INTEGRATED LOGISTICS SUPPORT]: Review of proposed acquisition documentation to ensure all logistics requirements are included.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	

[P3A / 6A5IN - O/A 18000 INSTALL]: 6A5IN - O/A 18000 INSTALL
Installing agents will be various Naval Shipyards and contractors. All installations will be on SSBN and SSN 688/21 Class Submarines.

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)
SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	1.753	-	-	-	-	-	1.753
Surface ASW Support Equipment	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	3.683	-	-	-	-	-	3.683
ASW Range Support Equipment	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 6A5IN - O/A 18000 INSTALL	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	2.123	-	-	-	-	-	2.123
Total Gross/Weapon System Cost			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7.559**	**-**	**-**	**-**	**-**	**-**	**7.559**

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)
SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Surface ASW Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ASW Range Support Equipment	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 6A5IN - O/A 18000 INSTALL	P-3a		-	-	2.013	-	-	2.292	-	-	2.795	-	-	2.490	-	-	1.000	-	-	12.713
Total Gross/Weapon System Cost			**-**	**-**	**30.369**	**-**	**-**	**29.111**	**-**	**-**	**24.517**	**-**	**-**	**25.043**	**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:
Reduction in FY13 funding is due to the Budget Control Act of 2011 sequestration.

Note: The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** SUB WEAPONS LAUNCHING/ HANDLING SUPPORT EQUIPMENT (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT																				
1.1) 2J COG MATERIAL	A		-	-	-	-	-	-	-	-	-	-	-	0.100	-	-	-	-	-	0.100
1.2) TT/TEP/ICL/ WSHS	A		-	-	-	-	-	-	-	-	-	-	-	1.008	-	-	-	-	-	1.008
Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/ HANDLING SUPPORT			-	-	*0.000*	-	-	-	-	-	-	-	-	*1.108*	-	-	-	-	-	*1.108*
2) 6A002 - TEP ORDALTS/TRIDS																				
2.1) O/A MATERIAL 18009	A		-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
2.2) TPES/ATP DYNAMIC SEAL UNITS	A		-	-	-	-	-	-	-	-	-	75,000.00	4	0.300	-	-	-	75,000.00	4	0.300
Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.350*	-	-	-	-	-	*0.350*
3) 6A002 - TEST EQUIPMENT																				
3.1) BORE GAGE	A		-	-	-	-	-	-	-	-	-	-	-	0.075	-	-	-	-	-	0.075
3.2) MISC. TEST EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	0.015	-	-	-	-	-	0.015
3.3) TEST FACILITY EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	0.055	-	-	-	-	-	0.055
Subtotal: 3) 6A002 - TEST EQUIPMENT			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.145*	-	-	-	-	-	*0.145*
4) 6A830 - PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	0.150	-	-	-	-	-	0.150
Subtotal: 4) 6A830 - PRODUCTION ENGINEERING			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.150*	-	-	-	-	-	*0.150*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1.753**	**-**	**-**	**-**	**-**	**-**	**1.753**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** SUB WEAPONS LAUNCHING/ HANDLING SUPPORT EQUIPMENT (1)

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	FY 2016			FY 2017			FY 2018			FY 2019			To Complete			Total Cost		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
1) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT																				
1.1) 2J COG MATERIAL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) TT/TEP/ICL/ WSHS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/ HANDLING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 6A002 - TEP ORDALTS/TRIDS																				
2.1) O/A MATERIAL 18009	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) TPES/ATP DYNAMIC SEAL UNITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 6A002 - TEST EQUIPMENT																				
3.1) BORE GAGE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) MISC. TEST EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) TEST FACILITY EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6A002 - TEST EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 6A830 - PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6A830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

(1) This line item procures modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** Surface ASW Support Equipment (2)

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) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS																				
1.1) ASWCS - UCFS/ CONTROL PANEL ORDALTS			-	-	-	-	-	-	-	-	-	-	-	1.704	-	-	-	-	-	1.704
1.2) ASWCS - PRODUCTION ENGINEERING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	0.083	-	-	-	-	-	0.083
1.3) ASWCS - ACCEPTANCE TEST & EVALUATION			-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
Subtotal: 1) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS			-	-	*0.000*	-	-	-	-	-	-	-	-	*1.837*	-	-	-	-	-	*1.837*
2) 6B004 - TORPEDO TUBE ORDALTS																				
2.1) SVTT - MK32 ORDALTS			-	-	-	-	-	-	-	-	-	-	-	1.405	-	-	-	-	-	1.405
2.2) SVTT - PRODUCTION ENGINEERING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	0.083	-	-	-	-	-	0.083
2.3) SVTT - ACCEPTANCE TEST & EVALUATION			-	-	-	-	-	-	-	-	-	-	-	0.050	-	-	-	-	-	0.050
Subtotal: 2) 6B004 - TORPEDO TUBE ORDALTS			-	-	*0.000*	-	-	-	-	-	-	-	-	*1.538*	-	-	-	-	-	*1.538*
3) 6B900 - CONSULTING SERVICES																				
3.1) CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	0.097	-	-	-	-	-	0.097
Subtotal: 3) 6B900 - CONSULTING SERVICES			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.097*	-	-	-	-	-	*0.097*
4) 6B6IN - INSTALLATION OF EQUIPMENT - N96																				
4.1) ASWCS - FIRE CONTROL ORDALTS			-	-	-	-	-	-	-	-	-	-	-	0.110	-	-	-	-	-	0.110
4.2) SVTT - TORPEDO TUBE ORDALTS			-	-	-	-	-	-	-	-	-	-	-	0.101	-	-	-	-	-	0.101
Subtotal: 4) 6B6IN - INSTALLATION OF EQUIPMENT - N96			-	-	*0.000*	-	-	-	-	-	-	-	-	*0.211*	-	-	-	-	-	*0.211*
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**3.683**	**-**	**-**	**-**	**-**	**-**	**3.683**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** Surface ASW Support Equipment (2)

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) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS																				
1.1) ASWCS - UCFS/ CONTROL PANEL ORDALTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) ASWCS - PRODUCTION ENGINEERING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.3) ASWCS - ACCEPTANCE TEST & EVALUATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 6B004 - TORPEDO TUBE ORDALTS																				
2.1) SVTT - MK32 ORDALTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) SVTT - PRODUCTION ENGINEERING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.3) SVTT - ACCEPTANCE TEST & EVALUATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6B004 - TORPEDO TUBE ORDALTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 6B900 - CONSULTING SERVICES																				
3.1) CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6B900 - CONSULTING SERVICES			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 6B6IN - INSTALLATION OF EQUIPMENT - N96																				
4.1) ASWCS - FIRE CONTROL ORDALTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.2) SVTT - TORPEDO TUBE ORDALTS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6B6IN - INSTALLATION OF EQUIPMENT - N96			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** Surface ASW Support Equipment (2)

Footnotes:

(2) This line item provides funding to procure Reliability, Maintainability and Availability (RM&A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** ASW Range 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) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc																				
1.1) 6C001 - SSRNM/ US FORACS (S05)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98																				
2.1) 6C002 - UTRE (S05)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 6C003 - TOWED TARGETS																				
3.1) 6C003 - TOWED TARGETS (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6C003 - TOWED TARGETS			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 6C004 - INSTRUMENTATION																				
4.1) 6C004 - INSTRUMENTATION (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6C004 - INSTRUMENTATION			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)																				
5.1) 6C005 - HSMST (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) 6C006 - SDST (Ship Deployable Surface Target)																				
6.1) 6C006 - SDST (Ship Deployable Surface Target) (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) 6C006 - SDST (Ship Deployable Surface Target)			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) 6C007 - FACT (Fast Attack Craft Target)																				

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** ASW Range 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)
7.1) 6C007 - FACT (Fast Attack Craft Target) (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) 6C007 - FACT (Fast Attack Craft Target)			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) 6C830 - PRODUCTION ENGINEERING																				
8.1) 6C830 - PRODUCTION ENGINEERING UTRE-N98/US FORACS - N96 (S05)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) 6C830 - PRODUCTION ENGINEERING (Ships)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) 6C830 - PRODUCTION ENGINEERING			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) 6C850 - PRODUCT IMPROVEMENT																				
9.1) 6C850 - PRODUCT IMPROVEMENT UTRE-N98/US FORACS-N96 (S05)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9) 6C850 - PRODUCT IMPROVEMENT			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) 6C970 - INTEGRATED LOGISTICS SUPPORT																				
10.1) 6C970 - INTEGRATED LOGISTICS SUPPORT (SHIPS)	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10) 6C970 - INTEGRATED LOGISTICS SUPPORT			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** ASW Range 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) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc																				
1.1) 6C001 - SSRNM/ US FORACS (S05)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98																				
2.1) 6C002 - UTRE (S05)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 6C003 - TOWED TARGETS																				
3.1) 6C003 - TOWED TARGETS (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6C003 - TOWED TARGETS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 6C004 - INSTRUMENTATION																				
4.1) 6C004 - INSTRUMENTATION (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6C004 - INSTRUMENTATION			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)																				
5.1) 6C005 - HSMST (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6) 6C006 - SDST (Ship Deployable Surface Target)																				
6.1) 6C006 - SDST (Ship Deployable Surface Target) (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) 6C006 - SDST (Ship Deployable Surface Target)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7) 6C007 - FACT (Fast Attack Craft Target)																				

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Aggregated Items Title:** ASW Range 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)
7.1) 6C007 - FACT (Fast Attack Craft Target) (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) 6C007 - FACT (Fast Attack Craft Target)			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) 6C830 - PRODUCTION ENGINEERING																				
8.1) 6C830 - PRODUCTION ENGINEERING UTRE-N98/US FORACS - N96 (S05)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.2) 6C830 - PRODUCTION ENGINEERING (Ships)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 8) 6C830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9) 6C850 - PRODUCT IMPROVEMENT																				
9.1) 6C850 - PRODUCT IMPROVEMENT UTRE-N98/US FORACS-N96 (S05)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 9) 6C850 - PRODUCT IMPROVEMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10) 6C970 - INTEGRATED LOGISTICS SUPPORT																				
10.1) 6C970 - INTEGRATED LOGISTICS SUPPORT (SHIPS)	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 10) 6C970 - INTEGRATED LOGISTICS SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	P-1 Line Item Number / Title: 5429 / ASW Support Equipment	Modification Number / Title: 1 / 6A5IN - O/A 18000 INSTALL

Resource Summary	Prior Years	FY 2013	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	-	-	2.123	-	2.123	2.013	2.292	2.795	2.490	1.000	12.713
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	2.123	-	2.123	2.013	2.292	2.795	2.490	1.000	12.713
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**2.123**	**-**	**2.123**	**2.013**	**2.292**	**2.795**	**2.490**	**1.000**	**12.713**
(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:
[O/A MATERIAL 18000] PROJECT UNIT: ORDALT 18000 SUBMARINE TORPEDO TUBE MUZZLE LINK FAILURE INDICATOR
IO=69

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Modification Number / Title:** 1 / 6A5IN - O/A 18000 INSTALL
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: 6A5IN - O/A 18000 INSTALL												
B Kits												
Recurring												
1.1.1) O/A MATERIAL 18000 - NonOrganic	- / -	- / -	- / -	8 / 0.400	- / -	8 / 0.400	6 / 0.300	5 / 0.250	9 / 0.450	2 / 0.100	10 / 0.500	40 / 2.000
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 0.400*	*- / -*	*- / 0.400*	*- / 0.300*	*- / 0.250*	*- / 0.450*	*- / 0.100*	*- / 0.500*	*- / 2.000*
Subtotal: 6A5IN - O/A 18000 INSTALL	*- / -*	*- / -*	*- / -*	*8 / 0.400*	*- / -*	*8 / 0.400*	*6 / 0.300*	*5 / 0.250*	*9 / 0.450*	*2 / 0.100*	*10 / 0.500*	*40 / 2.000*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 0.400*	*- / -*	*- / 0.400*	*- / 0.300*	*- / 0.250*	*- / 0.450*	*- / 0.100*	*- / 0.500*	*- / 2.000*
Installation												
Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL	- / 0.000	- / -	- / -	- / 1.723	- / -	- / 1.723	- / 1.713	- / 2.042	- / 2.345	- / 2.390	- / 0.500	- / 10.713
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 1.723*	*- / -*	*- / 1.723*	*- / 1.713*	*- / 2.042*	*- / 2.345*	*- / 2.390*	*- / 0.500*	*- / 10.713*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**2.123**	**-**	**2.123**	**2.013**	**2.292**	**2.795**	**2.490**	**1.000**	**12.713**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5429 / ASW Support Equipment	**Modification Number / Title:** 1 / 6A5IN - O/A 18000 INSTALL

Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: EPSILON SYSTEMS	Manufacturer Location: >San Diego, CA
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 2

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

Installation Information

Method of Implementation: AIT : Installation Name: O/A MATERIAL 18000

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 1.723	- / -	8 / 1.723	- / -	- / -	- / -	- / -	- / -	8 / 1.723
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	6 / 1.713	- / -	- / -	- / -	- / -	6 / 1.713
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 2.042	- / -	- / -	- / -	5 / 2.042
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	9 / 2.345	- / -	- / -	9 / 2.345
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 2.390	- / -	2 / 2.390
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	10 / 0.500	10 / 0.500
Total	- / -	- / -	- / -	8 / 1.723	- / -	8 / 1.723	6 / 1.713	5 / 2.042	9 / 2.345	2 / 2.390	10 / 0.500	40 / 10.713

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	2	2	1	1	3	1	1	-	3	1	2	3	1	1	-	-	10	40
Out	-	-	-	-	-	-	-	-	-	2	3	2	1	2	2	1	1	3	1	1	-	3	1	2	3	1	1	-	-	10	40

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:			Other Related Program Elements:								
Resource Summary	**Prior Years**	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO#**	**FY 2015 Total**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**To Complete**	**Total**
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	55.491	3.953	3.913	-	-	-	-	-	-	-	-	63.357
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	55.491	3.953	3.913	-	-	-	-	-	-	-	-	63.357
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**55.491**	**3.953**	**3.913**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**63.357**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This line item procures modifications and improvements to Attack and Ballistic Missile Submarine fire control interface systems, torpedo tube system components and torpedo tube test equipment. These requirements arise as a result of the introduction of new or modified weapons and sensors and their subsequent evaluation test and operational use. Also procured are reliability, maintainability, functional and safety modifications and tactical improvements resulting from operational use experience.

[P40A / 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT]: 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT
This line funds modifications and improvements in the following categories:
The Submarine Torpedo Tube Support category funds in-service support and alteration procurements for all submarine torpedo tubes (TT), torpedo ejection pumps (TEP), internal countermeasure launchers (ICL), and weapons stowage and handling systems (WSHS). Development efforts under this item number include Engineering Change Proposals, ORDALTs, Type Zero (TZ) kits and Test Equipment and alteration material procurement to correct significant deficiencies in equipment affecting personnel safety, ship safety and system performance.

[P40A / 6A830 - PRODUCTION ENGINEERING]: 6A830 - PRODUCTION ENGINEERING
Production engineering includes resolving Liaison Action Requests (LARs) configure/test assembly in lab prior to ship installation and in-shop engineering support of vendor testing.

[P3A / 6A5IN - O/A 18000 INSTALL]: 6A5IN - O/A 18000 INSTALL
Installing agents will be various Naval Shipyards and contractors. All installations will be on SSBN and SSN 688/21 Class Submarines.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT	P-40a		-	-	25.038	-	-	2.466	-	-	2.533	-	-	-	-	-	-	-	-	-
P-3a - 1 / 6A5IN - O/A 18000 INSTALL	P-3a		-	-	30.453	-	-	1.487	-	-	1.380	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**55.491**	**-**	**-**	**3.953**	**-**	**-**	**3.913**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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)
SUB WEAPONS LAUNCHING/HANDLING SUPPORT EQUIPMENT	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / 6A5IN - O/A 18000 INSTALL	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33.320
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**63.357**

*For P-40as, Title represents the P40a Title. For the P-3a, Title represents the Modification Number / Title.

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

Justification:
Reduction in FY13 funding is due to the Budget Control Act of 2011 sequestration.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment	**Aggregated Items Title:** SUB WEAPONS LAUNCHING/ HANDLING 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) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT																				
1.1) 2J COG MATERIAL	A		-	-	2.450	-	-	0.163	-	-	0.193	-	-	-	-	-	-	-	-	-
1.2) TT/TEP/ICL/ WSHS	A		-	-	10.163	-	-	1.497	-	-	1.534	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/ HANDLING SUPPORT			-	-	*12.613*	-	-	*1.660*	-	-	*1.727*	-	-	-	-	-	-	-	-	-
2) 6A002 - TEP ORDALTS/TRIDS																				
2.1) O/A MATERIAL 18009	A		-	-	0.130	-	-	0.040	-	-	0.040	-	-	-	-	-	-	-	-	-
2.2) TPES/ATP DYNAMIC SEAL UNITS	A		75,000.00	4	0.300	-	-	-	75,000.00	2	0.150	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS			-	-	*0.430*	-	-	*0.040*	-	-	*0.190*	-	-	-	-	-	-	-	-	-
3) 6A002 - TEST EQUIPMENT																				
3.1) BORE GAGE	A		-	-	1.908	-	-	0.183	-	-	0.105	-	-	-	-	-	-	-	-	-
3.2) MISC. TEST EQUIPMENT	A		-	-	2.734	-	-	0.148	-	-	0.063	-	-	-	-	-	-	-	-	-
3.3) TEST FACILITY EQUIPMENT	A		-	-	6.340	-	-	0.185	-	-	0.128	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6A002 - TEST EQUIPMENT			-	-	*10.982*	-	-	*0.516*	-	-	*0.296*	-	-	-	-	-	-	-	-	-
4) 6A830 - PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	1.013	-	-	0.250	-	-	0.320	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6A830 - PRODUCTION ENGINEERING			-	-	*1.013*	-	-	*0.250*	-	-	*0.320*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**25.038**	**-**	**-**	**2.466**	**-**	**-**	**2.533**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment	**Aggregated Items Title:** SUB WEAPONS LAUNCHING/ HANDLING 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) 6A002 - SUB WEAPONS LAUNCH/HANDLING SUPPORT																				
1.1) 2J COG MATERIAL	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) TT/TEP/ICL/ WSHS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6A002 - SUB WEAPONS LAUNCH/ HANDLING SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) 6A002 - TEP ORDALTS/TRIDS																				
2.1) O/A MATERIAL 18009	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.2) TPES/ATP DYNAMIC SEAL UNITS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6A002 - TEP ORDALTS/TRIDS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) 6A002 - TEST EQUIPMENT																				
3.1) BORE GAGE	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) MISC. TEST EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) TEST FACILITY EQUIPMENT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6A002 - TEST EQUIPMENT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) 6A830 - PRODUCTION ENGINEERING																				
4.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6A830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	P-1 Line Item Number / Title: 5431 / Submarine ASW Support Equipment	Modification Number / Title: 1 / 6A5IN - O/A 18000 INSTALL

Resource Summary	Prior Years	FY 2013	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)*	30.453	1.487	1.380	-	-	-	-	-	-	-	-	33.320
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	30.453	1.487	1.380	-	-	-	-	-	-	-	-	33.320
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**30.453**	**1.487**	**1.380**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**33.320**
(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:
[O/A MATERIAL 18000] PROJECT UNIT: ORDALT 18000 SUBMARINE TORPEDO TUBE MUZZLE LINK FAILURE INDICATOR
IO=69

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment	**Modification Number / Title:** 1 / 6A5IN - O/A 18000 INSTALL
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: 6A5IN - O/A 18000 INSTALL												
B Kits												
Recurring												
1.1.1) O/A MATERIAL 18000 - NonOrganic	15 / 0.750	4 / 0.199	5 / 0.250	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 1.199
Subtotal: Recurring	*- / 0.750*	*- / 0.199*	*- / 0.250*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.199*
Subtotal: 6A5IN - O/A 18000 INSTALL	*15 / 0.750*	*4 / 0.199*	*5 / 0.250*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*24 / 1.199*
Subtotal: Procurement, All Modification Items	*- / 0.750*	*- / 0.199*	*- / 0.250*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 1.199*
Installation												
Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL	- / 29.703	- / 1.288	- / 1.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 32.121
Subtotal: Installation	*- / 29.703*	*- / 1.288*	*- / 1.130*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 32.121*
Total												
Total Cost (Procurement + Support + Installation)	**30.453**	**1.487**	**1.380**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**33.320**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5431 / Submarine ASW Support Equipment	**Modification Number / Title:** 1 / 6A5IN - O/A 18000 INSTALL

Modification Item 1 of 1: 6A5IN - O/A 18000 INSTALL

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: EPSILON SYSTEMS	Manufacturer Location: >San Diego, CA
Administrative Leadtime *(in Months)*: 0	Production Leadtime *(in Months)*: 2

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

Installation Information

Method of Implementation: AIT : Installation Name: O/A MATERIAL 18000

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 29.703	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	15 / 29.703
FY 2013	- / -	4 / 1.288	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	4 / 1.288
FY 2014	- / -	- / -	5 / 1.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 1.130
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	15 / 29.703	4 / 1.288	5 / 1.130	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	24 / 32.121

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	15	1	1	2	-	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24
Out	15	1	1	2	-	1	2	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5449 / Surface ASW Support Equipment

ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:			Other Related Program Elements:								
Resource Summary	**Prior Years**	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO#**	**FY 2015 Total**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**To Complete**	**Total**
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	128.062	5.941	3.909	-	-	-	-	-	-	-	-	137.912
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	128.062	5.941	3.909	-	-	-	-	-	-	-	-	137.912
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**128.062**	**5.941**	**3.909**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**137.912**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

NOTE: Starting with FY 2015, all Surface ASW Support Equipment OPN BLI 5449 funding was moved under ASW Support Equipment OPN BLI 5429 for budget consolidation purposes.

This line item provides funding to procure Reliability, Maintainability and Availability (RM&A) and safety modifications through the Ordnance Alteration (ORDALT) process to Anti-Submarine Warfare (ASW) Fire Control, Surface Vessel Torpedo Tubes (SVTT), and related ASW Fire Control/SVTT support and test equipment to maintain the current envelope. Modification requirements arise as a result of evaluation, testing, and Fleet use of existing, new, or modified ASW weapons and/or related systems and subsystems. Included in this line item are all related procurements for training and simulation equipment required for the continued operation of this equipment. ORDALT procurements are highly variable and dependent on shipboard configurations and equipment age.

This line item also provides funding for Surface Ship Undersea Warfare (USW) Fire Control System (FCS) modification efforts to continue the required operation/performance of ASW helicopter (helo operations), Vertical Launch (VLA) Anti-Submarine Rocket (ASROC), and Over-The-Side (OTS) capabilities due to the implementation of the MK54 Lightweight Torpedo (LHT) and Digital Fire Control Interface (DFCI).

[P40A / 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS]: 6B001 Cost Elements/Descriptions as follows:

ASWCS - UFCS/Control Panel ORDALTs: Provides funding for ORDALT kits for the ASW Underwater Fire Control System (UFCS) and Control Panel (MK309), ASW Control System (ASWCS) MK116 Mod 7, Torpedo Setting Panel (MK331), and the Torpedo Pre-Setter Test Set (MK432). ORDALT procurements include a MK432 Mod 6 test set which provides for the addition of wide angle display, cable terminations and tech refresh of obsolete motherboard parts. Also provides material support at multiple land-based laboratories as well as material support for upgrades and calibrations. Procurements will ensure laboratories are at Fleet baseline configurations.

ASWCS - Production Engineering Support: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), Ship Change Documents (SCDs), and engineering audits for ASW Fire Control. Reviews and approves internal and external system interfaces (hardware and integration related) and identify interface issues.

ASWCS - Acceptance Test & Evaluation: Provides the in-house acceptance test and evaluation funding associated with the safety and quality assurance testing of all ASW Fire Control, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5449 / Surface ASW Support Equipment	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

MK54 - Surface Ship USW Fire Control System Mods: Funds Surface Ship Undersea Warfare (USW) Fire Control System (FCS) modification efforts to continue the required operation/performance of ASW helicopter (helo ops), Vertical Launch (VLA) Anti-Submarine Rocket (ASROC), and Over-The-Side (OTS) capabilities due to the implementation of the MK54 Lightweight Torpedo (LHT) and Digital Fire Control Interface (DFCI). Efforts include associated Non Recurring Engineering (NRE), procurement, and installation of the following: 1) MK54 magazine Stowage & Handling (S&H) modifications to enable select surface ship combatants to stow/carry the MK54 and fully support ASW helo operations; 2) Modification of AEGIS Weapons System (AWS) Commercial-Off-The-Shelf Refresh 3 (CR3) Command & Decision (C&D) software on select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its VLA configuration; 3) Modification of AN/SQQ-89A(V)15 USW Combat System software for select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its VLA configuration; 4) Upgrade of MK116 MOD 7 Build 12B FCS software for select surface ship combatants so they can identify, preset, and launch the MK54 torpedo in its OTS and VLA configuration; 5) Upgrade of the SVTT MK32 hardware for select surface ship combatants so they can launch the MK54 torpedo in its OTS configuration. Additionally, efforts are required to produce the associated Ship Control Document (SCD) and conduct the necessary system and integration tests and safety analyses to ensure the item meets MIL-STD-882 safety requirements.

[P40A / 6B004 - TORPEDO TUBE ORDALTS]: 6B004 Cost Elements/Descriptions as follows:

SVTT - MK32 ORDALTS: The SVTT MK32 is an over-the-side torpedo defense surface ship launched system that conducts close-in ASW operations. This line provides funding for SVTT MK32 launchers, Torpedo Loading Trays (TLTs), and ancillary equipment for testing, training, and maintainability on select surface ship combatants. ORDALT procurements include: Emergency Fire Circuit and Mount to Magazine Door Interoperability Circuit Improvements (SVTT MK32 Mod 19 only - ORDALT 76463); Overheat Sensor Test Set (SVTT MK32 Mod 15 Only - ORDALT 412-01-019); Locking Handle Securing Device (SVTT MK32 All Mods - ORDALT 412-01-031); Pressure Switch Assembly Replacement (SVTT MK32 All Mods - ORDALT 73191); Torpedo MK54 SVTT Upgrades for select CGs not scheduled for early decommissioning (SVTT MK32 Mods 14 Only - ORDALT 76008; Funding ended in FY13); Safe/Ready Lever Modification (SVTT MK32 Mod 15 Only - ORDALT 73440); Breech Mechanism Control Valve Redesign (SVTT MK32 All Mods - ORDALT TBD); Securing Mechanism Shoulder Bolt Retention (SVTT MK32 All Mods - ORDALT 412-04-025); Over-Heat Sensor Assembly Modification (SVTT MK32 Mod 15 Only - ORDALT 412-05-015); Training Gear Handcrank Support Improvements (SVTT MK32 Mods 15 Only - ORDALT TBD) and Air Charging Panel Regulator Improvements (SVTT MK32 MOD 15 Only - ORDALT TBD). Procure SVTT shoresite laboratory equipment for Launcher System Facilities (LSF). LSFs are used to simulate shipboard conditions for over-the-side torpedo launchers, as well as for the creation of the required ORDALTs.

SVTT - Production Engineering: Provides the necessary production engineering support funds to cover the associated Integrated Logistics Support (ILS) elements, Engineering Change Proposal (ECP) reviews, Engineering Changes (EC), SCDs, and engineering audits for SVTT ORDALTs.

SVTT - Acceptance Test & Evaluation: Provides the in-house acceptance test and evaluation funding required for the safety and quality assurance testing of all SVTT ORDALTs, Alteration Equivalent to Repairs (AERs), ECPs, ECs, and SCDs.

[P40A / 6B900 - CONSULTING SERVICES]: 6B900 Cost Element/Description as Follows:

Provides the necessary funding for consulting services required to support scheduling of ASW Fire Control and SVTT ORDALT production, test, and installation efforts in conjunction with operation, safety, and environmental requirements.

[P40A / 6B6IN - INSTALLATION OF EQUIPMENT - N96]: 6B6IN Cost Element/Description as follows:

Funds the installation of all ASW Fire Control (under Cost Code 6B001) and SVTT (under Cost Code 6B004) ORDALTs/SCDs. ORDALT/SCD Alteration Installation Team (AIT) pier-side installations are variable and contingent on Type Commander (TYCOM), Ships' Scheduling Conference (SSC), and ships' availability. Cost Code 6B6IN also funds the installation of MK54 Surface Ship USW FCS modifications (under Cost Code 6B001) to continue the required operation/performance of ASW helicopter (helo operations), VLA, and OTS capabilities due to the implementation of the MK54.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5449 / Surface ASW Support Equipment
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**
Other Related Program Elements:	

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Surface ASW Support Equipment	P-40a		-	-	128.062	-	-	5.941	-	-	3.909	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**128.062**	**-**	**-**	**5.941**	**-**	**-**	**3.909**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5449 / Surface ASW Support Equipment	**Aggregated Items Title:** Surface ASW 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) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS																				
1.1) ASWCS - UCFS/ CONTROL PANEL ORDALTS			-	-	44.127	-	-	1.695	-	-	1.155	-	-	-	-	-	-	-	-	-
1.2) ASWCS - PRODUCTION ENGINEERING SUPPORT			-	-	3.485	-	-	0.128	-	-	0.131	-	-	-	-	-	-	-	-	-
1.3) ASWCS - ACCEPTANCE TEST & EVALUATION			-	-	2.506	-	-	0.101	-	-	0.101	-	-	-	-	-	-	-	-	-
1.4) MK54 - S&H UPGRADES (NRE)			-	-	0.312	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.5) MK54 - AEGIS CR3 UPGRADE (NRE)			-	-	3.800	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.6) MK54 - SQQ-89A(V)15 UPGRADE (NRE)			-	-	4.380	-	-	1.227	-	-	0.520	-	-	-	-	-	-	-	-	-
1.7) MK54 - MK116 MOD 7 UPGRADE (NRE)			-	-	2.200	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.8) MK54 - MK116 MOD 7 UPGRADE			-	-	1.226	-	-	0.192	-	-	-	-	-	-	-	-	-	-	-	-
1.9) MK54 - SVTT UPGRADE			-	-	1.180	-	-	0.362	-	-	0.524	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6B001 - ASWCS FIRE CONTROL ORDALTS, MK54 SURFACE SHIP USW FCS MODS			-	-	*63.216*	-	-	*3.705*	-	-	*2.431*	-	-	-	-	-	-	-	-	-
2) 6B004 - TORPEDO TUBE ORDALTS																				
2.1) SVTT - MK32 ORDALTS			-	-	44.973	-	-	1.100	-	-	0.823	-	-	-	-	-	-	-	-	-
2.2) SVTT - PRODUCTION ENGINEERING SUPPORT			-	-	3.424	-	-	0.127	-	-	0.131	-	-	-	-	-	-	-	-	-
2.3) SVTT - ACCEPTANCE TEST & EVALUATION			-	-	2.476	-	-	0.101	-	-	0.101	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6B004 - TORPEDO TUBE ORDALTS			-	-	*50.873*	-	-	*1.328*	-	-	*1.055*	-	-	-	-	-	-	-	-	-
3) 6B900 - CONSULTING SERVICES																				
3.1) CONSULTING SERVICES			-	-	6.471	-	-	0.103	-	-	0.098	-	-	-	-	-	-	-	-	-

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5449 / Surface ASW Support Equipment	**Aggregated Items Title:** Surface ASW Support Equipment

Item Number / Title [DODIC]	ID CD	MDAP/ MAIS Code	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
			Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Subtotal: 3) 6B900 - CONSULTING SERVICES			-	-	*6.471*	-	-	*0.103*	-	-	*0.098*	-	-	-	-	-	-	-	-	-
4) 6B6IN - INSTALLATION OF EQUIPMENT - N96																				
4.1) ASWCS - FIRE CONTROL ORDALTS			-	-	2.119	-	-	0.111	-	-	0.105	-	-	-	-	-	-	-	-	-
4.2) MK54 - SURFACE SHIP USW FCS UPGRADES			-	-	3.296	-	-	0.601	-	-	0.124	-	-	-	-	-	-	-	-	-
4.3) SVTT - TORPEDO TUBE ORDALTS			-	-	2.087	-	-	0.093	-	-	0.096	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6B6IN - INSTALLATION OF EQUIPMENT - N96			-	-	*7.502*	-	-	*0.805*	-	-	*0.325*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**128.062**	**-**	**-**	**5.941**	**-**	**-**	**3.909**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5455 / ASW Range Support Equipment

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	58.479	44.139	28.694	-	-	-	-	-	-	-	-	131.312
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	58.479	44.139	28.694	-	-	-	-	-	-	-	-	131.312
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**58.479**	**44.139**	**28.694**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**131.312**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

ANTI-SUBMARINE WARFARE (ASW) RANGE EQUIPMENT:
Funding provides for the procurement of training range and shore equipment, Test and Evaluation (T&E), acoustic trial range equipment, and weapon system and test equipment. Equipment procured includes instrumentation for US Fleet Operational Readiness Accuracy Check Sites (FORACS) Program, equipment required to conduct fleet exercises at Navy ASW Training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program, Surface Ship Combat Ship Qualification Trial (CSSQT), and equipment for the Surface Ship Radiated Noise Measurement (SSRNM) Program. Training and T&E ranges include: Southern California Offshore Range (SCORE), Barking Sands Tactical Underwater Range/Barking Sands Underwater Range Extension (BARSTUR/BSURE), Atlantic Underwater Test and Evaluation Center (AUTEC), Nanoose and Dabob Bay. FORACS ranges include Andros Island and Southern California.

[P40A / 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Accuracy Check Sites (FORACS) - N96]: Funding provides for the procurement of range communication systems, ship auto-tracking system, Surface Ship Acoustic Range Equipment, and upgraded ship position tracking system for the Surface Ship Radiated Noise Measurement (SSRNM) and US Fleet Operational Readiness Accuracy Check Sites (FORACS) programs. Funding also provides for improvements, modernizations, and upgrades to systems and equipment.

[P40A / 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98]: Funding provides for the procurement of shipboard underwater tracking equipment for existing ranges on both coasts and in Hawaii, shop special purpose Pinger test equipment, and the associated cables/mounting hardware required to track ships and submarines conducting Fleet exercises at the Navy training ranges for the Underwater Tracking Range Equipment (UTRE)/Pinger Program. Funding provides all of the Navy Underwater Ranges with tracking equipment because the equipment must be compatible with underwater vehicles (i.e. ships, submarines, torpedoes, mines and sonars). Funding also provides for improvements, modernizations, and upgrades to systems and equipment. Funding plus-up starting in FY14 is for an obsolescence driven upgrade to the submarine Underwater Tracking System (UTS). Funding will provide for procurement of underwater tracking equipment for submarines operating on Undersea Ranges including 65 UTS shipboard units, TEMPALT modifications and training.

[P40A / 6C003 - TOWED TARGETS]: The Fleet requires low cost expendable towed targets for weapon system T&E and Fleet training. The Low Cost Modular Target (LCMT) is the primary towed target used to meet these requirements in future years. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.

[P40A / 6C004 - INSTRUMENTATION]: Seaborne target augmentation systems include transponders (i.e. transmitters/receivers), radar reflectors, radio frequency (RF) emitters and ground support equipment (GSE). Various electronic components provide the interface for the target control systems with the control stations/facilities for drone operations. RF emitters and radar reflectors enhance target threat replication

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 5: ASW Support Equipment	**P-1 Line Item Number / Title:** 5455 / ASW Range Support Equipment

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

and provide the required stimulus for anti-surface/radar weapons systems. FY13 reflects one time procurement of Multiple Integrated Laser Engagement System (MILES) gear which will be used on-board HSMSTs and other seaborne targets for counter-swarm training.

[P40A / 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)]: Provides the user with a medium to high speed remote controlled surface target with a high degree of maneuverability. It has a form fitted collar surrounding the deck area of the aluminum hull. This target can exceed 45 knots in a calm sea and approaches 40 knots in a sea state 3. Increased funding in FY13 and following years is to support Fast Attack Craft-Fast Inshore Attack Craft (FAC-FIAC) training for the Fleet.

[P40A / 6C006 - SDST (Ship Deployable Surface Target)]: SDST (Ship Deployable Surface Target) is used to support Fleet training and T&E exercises. This target supports training requirements of deploying ships and aircraft and surface gunnery requirements.

[P40A / 6C007 - FACT (Fast Attack Craft Target)]: FACT (Fast Attack Craft Target) is required to meet T&E requirements for weapon systems tests and Fleet training. The exercises require a target to represent missile capable patrol craft operating at speeds of 50 knots in sea state 2 conditions.

[P40A / 6C830 - PRODUCTION ENGINEERING]: Funding provides for Production Engineering performed by a field activity or contractor during the production phase of these projects. (S05)

[P40A / 6C850 - PRODUCT IMPROVEMENT]: Funding provides for Product Improvement performed by a field activity or contractor during the production phase of these projects. (S05)

[P40A / 6C970 - INTEGRATED LOGISTICS SUPPORT]: Review of proposed acquisition documentation to ensure all logistics requirements are included.

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)
ASW Range Support Equipment	P-40a		-	-	58.479	-	-	44.139	-	-	28.694	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**58.479**	**-**	**-**	**44.139**	**-**	**-**	**28.694**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5455 / ASW Range Support Equipment	**Aggregated Items Title:** ASW Range 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) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc																				
1.1) 6C001 - SSRNM/ US FORACS (S05)	A		-	-	18.256	-	-	2.366	-	-	2.524	-	-	-	-	-	-	-	-	-
Subtotal: 1) 6C001 - Surface Ship Radiated Noise Measurement (SSRNM)/US Fleet Operational Readiness Acc			-	-	*18.256*	-	-	*2.366*	-	-	*2.524*	-	-	-	-	-	-	-	-	-
2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98																				
2.1) 6C002 - UTRE (S05)	A		-	-	11.116	-	-	1.150	-	-	2.326	-	-	-	-	-	-	-	-	-
Subtotal: 2) 6C002 - UNDERWATER TRACKING RANGE EQUIPMENT (UTRE) - N98			-	-	*11.116*	-	-	*1.150*	-	-	*2.326*	-	-	-	-	-	-	-	-	-
3) 6C003 - TOWED TARGETS																				
3.1) 6C003 - TOWED TARGETS (SHIPS)	A		-	-	2.744	-	-	0.789	-	-	4.279	-	-	-	-	-	-	-	-	-
Subtotal: 3) 6C003 - TOWED TARGETS			-	-	*2.744*	-	-	*0.789*	-	-	*4.279*	-	-	-	-	-	-	-	-	-
4) 6C004 - INSTRUMENTATION																				
4.1) 6C004 - INSTRUMENTATION (SHIPS)	A		-	-	1.328	-	-	2.614	-	-	0.159	-	-	-	-	-	-	-	-	-
Subtotal: 4) 6C004 - INSTRUMENTATION			-	-	*1.328*	-	-	*2.614*	-	-	*0.159*	-	-	-	-	-	-	-	-	-
5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)																				
5.1) 6C005 - HSMST (SHIPS)	A		491,758.62	29	14.261	165,298.17	218	36.035	183,969.39	98	18.029	-	-	-	-	-	-	-	-	-
Subtotal: 5) 6C005 - HSMST (HIGH SPEED MANEUVERABLE SEABORNE TARGET)			-	-	*14.261*	-	-	*36.035*	-	-	*18.029*	-	-	-	-	-	-	-	-	-
6) 6C006 - SDST (Ship Deployable Surface Target)																				
6.1) 6C006 - SDST (Ship Deployable Surface Target) (SHIPS)	A		-	-	1.148	-	-	0.120	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 6) 6C006 - SDST (Ship Deployable Surface Target)			-	-	*1.148*	-	-	*0.120*	-	-	-	-	-	-	-	-	-	-	-	-
7) 6C007 - FACT (Fast Attack Craft Target)																				

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 5	**P-1 Line Item Number / Title:** 5455 / ASW Range Support Equipment	**Aggregated Items Title:** ASW Range 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)
7.1) 6C007 - FACT (Fast Attack Craft Target) (SHIPS)	A		-	-	1.424	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 7) 6C007 - FACT (Fast Attack Craft Target)			-	-	*1.424*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8) 6C830 - PRODUCTION ENGINEERING																				
8.1) 6C830 - PRODUCTION ENGINEERING UTRE-N98/US FORACS - N96 (S05)	A		-	-	2.859	-	-	0.285	-	-	0.418	-	-	-	-	-	-	-	-	-
8.2) 6C830 - PRODUCTION ENGINEERING (Ships)	A		-	-	1.859	-	-	0.416	-	-	0.403	-	-	-	-	-	-	-	-	-
Subtotal: 8) 6C830 - PRODUCTION ENGINEERING			-	-	*4.718*	-	-	*0.701*	-	-	*0.821*	-	-	-	-	-	-	-	-	-
9) 6C850 - PRODUCT IMPROVEMENT																				
9.1) 6C850 - PRODUCT IMPROVEMENT UTRE-N98/US FORACS-N96 (S05)	A		-	-	2.481	-	-	0.284	-	-	0.436	-	-	-	-	-	-	-	-	-
Subtotal: 9) 6C850 - PRODUCT IMPROVEMENT			-	-	*2.481*	-	-	*0.284*	-	-	*0.436*	-	-	-	-	-	-	-	-	-
10) 6C970 - INTEGRATED LOGISTICS SUPPORT																				
10.1) 6C970 - INTEGRATED LOGISTICS SUPPORT (SHIPS)	A		-	-	1.003	-	-	0.080	-	-	0.120	-	-	-	-	-	-	-	-	-
Subtotal: 10) 6C970 - INTEGRATED LOGISTICS SUPPORT			-	-	*1.003*	-	-	*0.080*	-	-	*0.120*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**58.479**	**-**	**-**	**44.139**	**-**	**-**	**28.694**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment	**P-1 Line Item Number / Title:** 5509 / Explosive Ordnance Disposal Equip
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:**
Other Related Program Elements: 0603654N, 0604654N, 0604653N	

Resource Summary	Prior Years	FY 2013	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)*	324.970	3.574	46.586	20.619	-	20.619	24.269	25.690	13.829	15.733	-	475.270
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	324.970	3.574	46.586	20.619	-	20.619	24.269	25.690	13.829	15.733	-	475.270
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**324.970**	**3.574**	**46.586**	**20.619**	**-**	**20.619**	**24.269**	**25.690**	**13.829**	**15.733**	**-**	**475.270**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	0.001	0.001	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 provides for the procurement of systems, equipment, and support for Explosive Ordnance Disposal (EOD) including Joint Service EOD Special Mission support.

The Navy is responsible for the management and execution of the Joint Service Explosive Ordnance Disposal (EOD) unified procurement system as assigned by DOD Directive 5160.62. All procurement of EOD tools and equipment, both initial outfitting and replenishment, for all military services is made by the Navy. The Navy provides all procurement services. There is an annual average of 300 procurement actions for this material. Each military service funds its own hardware.

[P5 / VN075 - EOD EQUIPMENT/SYSTEM]: Provides for systems, equipment, and support for EOD.

[P5 / EOD DSS INITIAL CAPABILITY]: Provides the EOD technician access to EOD information and maintains current capability to collect and analyze ordnance information, and to develop render safe procedures. DSS Initial Capability directly transitions technology and systems from the Knowledge Technology Operational Demonstration (KTOD) Advanced Concepts Technology Demonstration (ACTD).

[P5 / TRANSMITTER, COUNTERMEASURES (TCM) AN/PLT-XXX]: (CLASSIFIED PROJECT III): A system that provides the EOD technician protection from Improvised Explosive Devices (IEDs) and deliberate explosive devices by preventing their initiation, while working in close proximity to suspect devices. Also provides for Block Upgrades.

[P5 / EOD FUTURE RADIOGRAPHIC SYSTEM]: Provides a much increased radiographic/diagnostic capability for the EOD technician responding to new requirements.

[P5 / VN077 - EOD OUTFITTING]: Provides for EOD Outfitting.

[P5 / JUONS CC0402,CC0180,CC-0412]: Provides specialized components for EOD tool kits for use in theather in response to JUONS CC 0402, provides procurement of optic kits for EOD bomb suits, and to support the procurement of the next generation of optics and modifications to the mounting hardware for EOD suits in response to JUONS CC 0180. Provides specialized radio repeaters for EOD robots for use in theather in repsonse to JUONS CC 412 from the end user.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment	P-1 Line Item Number / Title: 5509 / Explosive Ordnance Disposal Equip	
ID Code (A=Service Ready, B=Not Service Ready) : B	Program Elements for Code B Items:	Other Related Program Elements: 0603654N, 0604654N, 0604653N

[P5 / COMBINED EXPLOSIVE EXPLOITATION CELL]: CEXC/NEODTECH TSD: Provides for the outfitting of type 2-SEA Duty EOD Detachment to address operational requirements for IED exploitation support of global tasking.

[P5 / QDR RENDER SAFE]: QDR RENDER SAFE/Weapons of Mass Destruction (WMD): Procure specialized equipment for joint service EOD technicians to perform render safe missions in support of Quadrennial Defense Review (QDR) issues.

[P5 / SPECIAL MISSION PROGRAM]: Provides for outfitting of Navy EOD Special Mission Program equipment in support of COCOMs and national response.

[P5 / EOD IED ECM]: Provides for the outfitting of ECM systems specifically for EOD use that prevent the initiation of Remote Controlled IED (RCIED) threats.

[P5 / MATERIAL FOR NAVSCOLEOD]: Provides for inert ordnance material to NAVSCOLEOD in support of Joint Service training.

[P5 / EODMU ALLOWANCE]: Initial outfitting of tools/equipment and personal issue items for increased allowances on the CNO approved Allowance List for both active Fleet and Naval Reserve EOD units.

[P5 / EOD TACTICAL COMMS]: Outfitting of tactical communications systems for EOD units/detachments for allowances on the CNO approved Allowance List.

[P5 / EOD DSS CIP]: Provides the EOD technician access to EOD information and maintains current capability to collect and analyze ordnance information, and to develop render safe procedures. DSS Initial Capability directly transitions technology and systems from the Knowledge Technology Operational Demonstration (KTOD) Advanced Concepts Technology Demonstration (ACTD).

[P5 / NAVY EOD EQUIPMENT]: Provides reset recapitalization equipment against approved allowance to support the Joint Service EOD community.

[P5 / HIGH FIDELITY WMD IDENTIFICATION (HFWI)]: Provides a family of detection identification capability for the EOD technician.

[P5 / JS EOD MOBILE ICE MODULES]: Self contained, deployable MILVAN type container configured and outfitted to perform ordnance and IED exploitation.

[P5 / VN830 - PRODUCTION ENGINEERING]: Provides production engineering support.

[P5 / VN850 - PRODUCT IMPROVEMENT]: Provides for product improvement and related engineering services.

[P5 / VN860 - ACCEPTANCE, TEST & EVALUATION]: Provides for acceptance, test, inspection, and evaluation of articles, tools and production quantities of EOD systems and equipment.

[P5 - 2 / VN870 - JOINT CREW]: Provides for the procurement, support, and other related costs of the Joint Counter Radio Controlled Improvised Explosive Device - Electronic Warfare (JCREW) program and related family of systems that provide countermeasures against the global Radio Controlled IED (RCIED) threat.

[P5 - 2 / VNG82 - OCO SUPPLEMENTAL (FY 11-13) (OEF-A)]: Provides for Operation Enduring Freedom - Afghanistan.

[P5 - 2 / VNG86 - OCO SUPPLEMENTAL (FY12) (OND)]: Provides for Operation New Dawn.

[P5 - 2 / VNG83 - OCO SUPPLEMENTAL (FY12) (OEF-HOA)]: Provides for Operation Enduring Freedom - Horn of Africa.

[P5 - 2 / VNG84- JCREW OCO SUPPLEMENTAL (OEF-T)]: Provides for Operation Enduring Freedom - Theater.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment	**P-1 Line Item Number / Title:** 5509 / Explosive Ordnance Disposal Equip	
ID Code (A=Service Ready, B=Not Service Ready) : B	**Program Elements for Code B Items:**	**Other Related Program Elements:** 0603654N, 0604654N, 0604653N

[P5 - 2 / VNTNG - INITIAL TRAINING]: Provides training and related support.

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 / EOD - Equipment	P-5		-	-	245.706	-	-	3.299	-	-	46.305	-	-	16.797	-	-	-	-	-	16.797
Item - 2 / EOD - CREW and OCO	P-5		-	-	79.264	-	-	0.275	-	-	0.281	-	-	3.822	-	-	-	-	-	3.822
Total Gross/Weapon System Cost			**-**	**-**	**324.970**	**-**	**-**	**3.574**	**-**	**-**	**46.586**	**-**	**-**	**20.619**	**-**	**-**	**-**	**-**	**-**	**20.619**

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

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

Justification:
FY15 funding provides for the baseline program. Decrease from FY14 to FY15 for DoN higher priority programs.

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	P-1 Line Item Number / Title: 5509 / Explosive Ordnance Disposal Equip	Item Number / Title [DODIC]: 1 / EOD - Equipment

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	245.706	3.299	46.305	16.797	-	16.797
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	245.706	3.299	46.305	16.797	-	16.797
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**245.706**	**3.299**	**46.305**	**16.797**	**-**	**16.797**
(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.

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 - VN075 - EOD EQUIPMENT/SYSTEM Cost																			
Recurring Cost																			
1.1.1) EOD DSS INITIAL CAPABILITY		229,720.00	50	11.486	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) TRANSMITTER, COUNTERMEASURES (TCM) AN/PLT-XXX		-	-	11.640	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) EOD FUTURE RADIOGRAPHIC SYSTEM		166,666.67	15	2.500	-	-	-	80,000.00	101	8.080	80,000.00	76	6.080	-	-	-	80,000.00	76	6.080
1.1.4) ADVANCED EOD ROBOT		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	*25.626*	-	-	-	-	-	*8.080*	-	-	*6.080*	-	-	-	-	-	*6.080*
Subtotal: Hardware - VN075 - EOD EQUIPMENT/ SYSTEM Cost		-	-	*25.626*	-	-	-	-	-	*8.080*	-	-	*6.080*	-	-	-	-	-	*6.080*
Hardware - VN077 - EOD OUTFITTING Cost																			
Recurring Cost																			
2.1.1) JUONS CC0402,CC0180,CC-0412		-	-	4.700	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) COMBINED EXPLOSIVE EXPLOITATION CELL		-	-	6.000	-	-	-	-	-	2.388	-	-	4.333	-	-	-	-	-	4.333
2.1.3) QDR RENDER SAFE		-	-	89.044	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	P-1 Line Item Number / Title: 5509 / Explosive Ordnance Disposal Equip	Item Number / Title [DODIC]: 1 / EOD - Equipment

Cost Elements	ID CD	Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
		Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
2.1.4) SPECIAL MISSION PROGRAM		-	-	20.941	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.5) EOD IED ECM		-	-	11.900	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.6) MATERIAL FOR NAVSCOLEOD		-	-	2.045	-	-	-	-	-	0.378	-	-	0.380	-	-	-	-	-	0.380
2.1.7) EODMU ALLOWANCE		-	-	45.292	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.8) EOD TACTICAL COMMS		-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.9) EOD DSS CIP		-	-	2.000	-	-	0.784	-	-	3.240	-	-	2.880	-	-	-	-	-	2.880
2.1.10) NAVY EOD EQUIPMENT		-	-	8.991	-	-	-	-	-	19.603	-	-	0.069	-	-	-	-	-	0.069
2.1.11) HIGH FIDELITY WMD IDENTIFICATION (HFWI)		-	-	5.000	-	-	-	-	-	9.734	-	-	-	-	-	-	-	-	-
2.1.12) JS EOD MOBILE ICE MODULES		-	-	1.129	-	-	-	-	-	0.262	-	-	0.365	-	-	-	-	-	0.365
Subtotal: Recurring Cost		-	-	*202.042*	-	-	*0.784*	-	-	*35.605*	-	-	*8.027*	-	-	-	-	-	*8.027*
Subtotal: Hardware - VN077 - EOD OUTFITTING Cost		-	-	*202.042*	-	-	*0.784*	-	-	*35.605*	-	-	*8.027*	-	-	-	-	-	*8.027*
Support - VN830 - PRODUCTION ENGINEERING Cost																			
3.1) PRODUCTION ENGINEERING		-	-	5.194	-	-	1.055	-	-	1.101	-	-	1.131	-	-	-	-	-	1.131
Subtotal: Support - VN830 - PRODUCTION ENGINEERING Cost		-	-	*5.194*	-	-	*1.055*	-	-	*1.101*	-	-	*1.131*	-	-	-	-	-	*1.131*
Support - VN850 - PRODUCT IMPROVEMENT Cost																			
4.1) PRODUCT IMPROVEMENT		-	-	5.152	-	-	0.700	-	-	0.714	-	-	0.728	-	-	-	-	-	0.728
Subtotal: Support - VN850 - PRODUCT IMPROVEMENT Cost		-	-	*5.152*	-	-	*0.700*	-	-	*0.714*	-	-	*0.728*	-	-	-	-	-	*0.728*
Support - VN860 - ACCEPTANCE, TEST & EVALUATION Cost																			
5.1) ACCEPTANCE, TEST & EVALUATION		-	-	4.588	-	-	0.760	-	-	0.805	-	-	0.831	-	-	-	-	-	0.831
5.2) JOINT CREW ACCEPTANCE TEST & EVALUATION		-	-	3.104	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Support - VN860 - ACCEPTANCE, TEST & EVALUATION Cost		-	-	*7.692*	-	-	*0.760*	-	-	*0.805*	-	-	*0.831*	-	-	-	-	-	*0.831*
Gross/Weapon System Cost		**-**	**-**	**245.706**	**-**	**-**	**3.299**	**-**	**-**	**46.305**	**-**	**-**	**16.797**	**-**	**-**	**-**	**-**	**-**	**16.797**

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	**P-1 Line Item Number / Title:** 5509 / Explosive Ordnance Disposal Equip	**Item Number / Title [DODIC]:** 1 / EOD - Equipment

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	P-1 Line Item Number / Title: 5509 / Explosive Ordnance Disposal Equip	Item Number / Title [DODIC]: 2 / EOD - CREW and OCO

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	79.264	0.275	0.281	3.822	-	3.822
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	79.264	0.275	0.281	3.822	-	3.822
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**79.264**	**0.275**	**0.281**	**3.822**	**-**	**3.822**
(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.

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 - VN870 - JOINT CREW Cost																			
Non Recurring Cost																			
1.1.1) JOINT CREW (1)		-	-	0.000	-	-	-	-	-	-	141,440.00	25	3.536	-	-	-	141,440.00	25	3.536
1.1.2) JOINT CREW (MOUNTED)		-	-	21.250	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) JOINT CREW (DISMOUNTED)		-	-	5.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) JOINT CREW (FIXED SITE)		-	-	13.650	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) TECH INSERTION and REFRESH		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	*39.900*	-	-	-	-	-	-	-	-	*3.536*	-	-	-	-	-	*3.536*
Subtotal: Hardware - VN870 - JOINT CREW Cost		-	-	*39.900*	-	-	-	-	-	-	-	-	*3.536*	-	-	-	-	-	*3.536*
Hardware - VNG82 - OCO SUPPLEMENTAL (FY 11-13) (OEF-A) Cost																			
Non Recurring Cost																			
2.1.1) JCREW OCO (FY15)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2.1.2) Prior Year Funding		-	-	35.494	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	*35.494*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - VNG82 - OCO		-	-	*35.494*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	P-1 Line Item Number / Title: 5509 / Explosive Ordnance Disposal Equip	Item Number / Title [DODIC]: 2 / EOD - CREW and OCO

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)
SUPPLEMENTAL (FY 11-13) (OEF-A) Cost																			
Hardware - VNG86 - OCO SUPPLEMENTAL (FY12) (OND) Cost																			
Non Recurring Cost																			
3.1.1) Prior Year Funding		-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	*1.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - VNG86 - OCO SUPPLEMENTAL (FY12) (OND) Cost		-	-	*1.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - VNG83 - OCO SUPPLEMENTAL (FY12) (OEF-HOA) Cost																			
Non Recurring Cost																			
4.1.1) JCREW OCO (FY15)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4.1.2) Prior Year Funding		-	-	1.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	*1.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - VNG83 - OCO SUPPLEMENTAL (FY12) (OEF-HOA) Cost		-	-	*1.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hardware - VNG84- JCREW OCO SUPPLEMENTAL (OEF-T) Cost																			
Non Recurring Cost																			
5.1.1) JCREW OCO (FY15)		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Non Recurring Cost		-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - VNG84- JCREW OCO SUPPLEMENTAL (OEF-T) Cost		-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Support - VNTNG - INITIAL TRAINING Cost																			
6.1) INITIAL TRAINING		-	-	1.870	-	-	0.275	-	-	0.281	-	-	0.286	-	-	-	-	-	0.286
Subtotal: Support - VNTNG - INITIAL TRAINING Cost		-	-	*1.870*	-	-	*0.275*	-	-	*0.281*	-	-	*0.286*	-	-	-	-	-	*0.286*
Gross/Weapon System Cost		**-**	**-**	**79.264**	**-**	**-**	**0.275**	**-**	**-**	**0.281**	**-**	**-**	**3.822**	**-**	**-**	**-**	**-**	**-**	**3.822**

Footnotes:

(1) FY15 Funds initial JCREW testing and procurement.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment	**P-1 Line Item Number / Title:** 5543 / Items Less Than $5 Million

ID Code (A=Service Ready, B=Not Service Ready) : B			Program Elements for Code B Items:					Other Related Program Elements:				
Resource Summary	**Prior Years**	**FY 2013**	**FY 2014**	**FY 2015 Base**	**FY 2015 OCO#**	**FY 2015 Total**	**FY 2016**	**FY 2017**	**FY 2018**	**FY 2019**	**To Complete**	**Total**
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	36.276	2.639	11.933	11.251	-	11.251	9.971	6.929	5.757	5.954	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	36.276	2.639	11.933	11.251	-	11.251	9.971	6.929	5.757	5.954	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**36.276**	**2.639**	**11.933**	**11.251**	**-**	**11.251**	**9.971**	**6.929**	**5.757**	**5.954**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	0.204	-	0.204	-	-	-	-	-	0.204
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

[P40A / RA004 - QUALITY EVAL TECH & EQUIPMENT (QETE)]: Provides funding to procure test systems and equipment in support of the Navy weapons systems and ordnance Quality Evaluation (QE) Program. The purpose of the Navy QE Program is to insure that only safe, quality, reliable, and ready Navy and Marine Corps weapons systems and ordnance items are provided to the Fleet. The results of the QE stock surveillance testing is technical readiness data used to predict when items degrade to the point where they become unsafe to store or would fail to function (unreliable) when needed and should be removed from service.

This generic (non-weapons systems specific) test equipment is needed to assess the effects of aging and exposure to environmental conditions on Navy weapons systems and ordnance such as mines, gun ammunition, missiles, pyrotechnics, demolition systems/devices, bombs, and torpedoes throughout the in-service portion of their life cycle and will be located at NAVSEA engineering field activities. Requirements for the test equipment come from a need to replace or modernize obsolete or economically non-repairable equipment or to acquire new or expanded generic test capabilities when new evaluation techniques or process are needed. The equipments procured by these funds are generally "one of a kind" and are used to support generic Navy weapons systems and ordnance types. Weapons systems specific equipment is procured/funded via the individual weapons system Program Management offices. After the weapon specific equipment has entered the inventory, these funds adapt the capability, if feasible, to become more generic and support more than one weapon system. This reduces the overall economic burden to the Navy.

[P40A / RA005 - FLEET MINE SUPPORT EQUIPMENT]: Mine Countermeasure Targets are used to emulate both physically and electronically Foreign mine threats for Fleet training, exercises, ranges, and platform and system validation. Instrumented Mine Countermeasures (MCM) Targets can be programmed to behave and function like real foreign mine threats for mine sweeping and platform validation where non-instrumented Mine Countermeasure Targets emulate foreign threats physically for mine hunting training and system validation. Non-instrumented MCM Targets are also used for mine neutralization training and validation.

[P40A / RA001 - FLT SUPPORT ORDALT PROCUREMENT (MK92)]: Provides hardware and related materials to modify Fire Control System MK92 Mod 2/6 installed onboard FFG 7 Class ships. Modifications correct safety, environmental, Reliability, Maintainability and Availability (RM&A), cost of ownership and obsolescence deficiencies to maintain the readiness of the Anti-Aircraft Warfare/Anti-Surface Warfare (AAW/ASUW) Weapons System mission for self and area defense against hostile air and surface threats, including anti-ship missile threats. Hardware is procured as Ordnance Alterations (ORDALTs). Installation of ORDALTs will be accomplished by either AIT (Alteration Installation Teams) or in conjunction with routine repair actions planned in the fiscal years following the procurement.

[P40A / RA4M6 - FMP INSTALLATION]: Provides funding to install procured MK92 ORDALTs into FFG 7 Class ships by AIT.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 6: Other Ordnance Support Equipment	**P-1 Line Item Number / Title:** 5543 / Items Less Than $5 Million

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

[P40A / RA006 - GRIFFIN MISSILE SYSTEM (GMS)]: The Griffin Missile System (GMS) will provide precision, short range, anti-surface warfare attack capability against Fast Inshore Attack Craft (FIAC) targets. The GMS provides these capabilities through the use of Griffin Missile (procured separately with WPN funding) and GMS ship set integrated on a Patrol Coastal (PC). A GMS ship set consists of the following components: Electro-Optical Infra-Red sensor with laser designator, two Launchers and associated equipment, Weapons Control System including cabling, connectors, graphical user interface, and Operator Interface Station. System Install & Check-Out is included.

[P40A / RA007 - GRIFFIN MISSILE SYSTEM (GMS) INITIAL TECHNICAL REFRESH]: This line supports major initial replacement systems for the Griffin Missile (GMS) Program to include Sensor balls, battle management system, launcher/Launcher components. Funding also procures all technical refresh upgrades of the GMS hardware and software aboard Patrol Coastal (PC) ships. Upgrades will include: Battlefield Management System (BMS) workstation hardware, latest version of BMS system software, and refresher training. Funds will also support management of contractor efforts, preparation of installation plans, performance of ship checks, procurement of materials, oversight of shipboard installation and Quality Assurance (QA), installation and testing of all software and shipboard training.

[P40A / RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)]: Provides funding for capital type rehabilitation projects at two (2) government-owned, contractor- operated (GOCO) plants for weapon systems. Federal Acquisition Regulation Part 52.245-7 specifies facilities use contracts require government funding of capital type rehabilitation projects to support and maintain these facilities. These plants have an average age of 45 years and lack of proper maintenance will severely limit capabilities to maintain scheduled production rates and overall productivity. Estimates support environmental, safety, energy conservation, and major repair at the GOCO facilities.

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		-	-	36.276	-	-	2.639	-	-	11.933	-	-	11.251	-	-	-	-	-	11.251
Total Gross/Weapon System Cost			**-**	**-**	**36.276**	**-**	**-**	**2.639**	**-**	**-**	**11.933**	**-**	**-**	**11.251**	**-**	**-**	**-**	**-**	**-**	**11.251**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 6	**P-1 Line Item Number / Title:** 5543 / 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) MAINTENANCE SUPPORT ACTIVITIES																				
1.1) RA004 - QUALITY EVAL TECH & EQUIPMENT (QETE)	B		-	-	12.106	-	-	1.615	-	-	1.594	-	-	1.619	-	-	-	-	-	1.619
1.2) RA005 - FLEET MINE SUPPORT EQUIPMENT	B		-	-	1.279	-	-	0.211	-	-	3.245	-	-	2.578	-	-	-	-	-	2.578
Subtotal: 1) MAINTENANCE SUPPORT ACTIVITIES			-	-	*13.385*	-	-	*1.826*	-	-	*4.839*	-	-	*4.197*	-	-	-	-	-	*4.197*
2) FRIGATES - MISSILE																				
2.1) RA001 - FLT SUPPORT ORDALT PROCUREMENT (MK92)	A		1,030K	6	6.179	81,666.67	3	0.245	239,666.67	3	0.719	-	-	-	-	-	-	-	-	-
2.2) RA4M6 - FMP INSTALLATION	A		151,000.00	5	0.755	33,000.00	3	0.099	33,333.33	3	0.100	-	-	-	-	-	-	-	-	-
2.3) RA006 - GRIFFIN MISSILE SYSTEM (GMS)	A		-	-	9.600	-	-	-	2,900K	2	5.799	2,700K	2	5.400	-	-	-	2,700K	2	5.400
2.4) RA007 - GRIFFIN MISSILE SYSTEM (GMS) INITIAL TECHNICAL REFRESH	A		-	-	-	-	-	-	-	-	-	-	-	1.162	-	-	-	-	-	1.162
Subtotal: 2) FRIGATES - MISSILE			-	-	*16.534*	-	-	*0.344*	-	-	*6.618*	-	-	*6.562*	-	-	-	-	-	*6.562*
3) GOCO FACILITIES																				
3.1) RA003 - INDUSTRIAL FACILITIES (CALIB. EQUIP)	A		6,357K	1	6.357	469,000.00	1	0.469	476,000.00	1	0.476	492,000.00	1	0.492	-	-	-	492,000.00	1	0.492
Subtotal: 3) GOCO FACILITIES			-	-	*6.357*	-	-	*0.469*	-	-	*0.476*	-	-	*0.492*	-	-	-	-	-	*0.492*
Total			**-**	**-**	**36.276**	**-**	**-**	**2.639**	**-**	**-**	**11.933**	**-**	**-**	**11.251**	**-**	**-**	**-**	**-**	**-**	**11.251**

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	568.893	27.355	62.361	-	-	-	-	-	-	-	-	658.609
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	568.893	27.355	62.361	-	-	-	-	-	-	-	-	658.609
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**568.893**	**27.355**	**62.361**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**658.609**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

The Anti-Ship Missile Decoy Program covers a family of decoys and the equipment to deploy them. It is an essential element of the Anti-Ship Missile Defense tactics to counter the threat of enemy homing missiles. NULKA is a joint program with Australia, and is currently in service with the Australian, Canadian, and United States Navies. This line contains various equipment and subsystems for a system which will provide the capability to defeat the effectiveness of hostile Anti-Ship cruise missiles. NULKA has been installed on the CG 47, DDG 51, FFG 7, LSD 41, and LSD 49 Classes in prior years. Installation on CVNs will begin in FY14 and will be installed on nine carriers. The DLF-3B decoy systems respond to an urgent operational need by providing an initial limited interim decoy capability to the fleet by 2014.

VV001: Procurement of MK 53 Decoy Launching Systems.

VV002: Procurement of MK 234 NULKA Decoys.

VV003: Engineering Changes and Logistics Support - Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required.

VV830: Production Engineering support to the MK 234 NULKA Decoy.

VV831: Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, 2 spare decoys, and 1 control panel.

VV832: Procurement of DLF-3B Decoys/Spares.

VV833: Logistics and Production support for DLF-3B systems.

Equipment Installation: Funding is for the installation of NULKA Decoy Systems, Fleet Modernization Program installs, and installation of equipment at shore facilities.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy 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)
ANTI SHIP MISSILE DECOY SYSTEM	P-40a		-	-	380.263	-	-	14.987	-	-	26.770	-	-	-	-	-	-	-	-	-
P-3a - 1 / VV001 NULKA SYSTEMS	P-3a		-	-	111.450	-	-	2.401	-	-	5.860	-	-	-	-	-	-	-	-	-
P-3a - 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	P-3a		-	-	77.180	-	-	5.297	-	-	5.292	-	-	-	-	-	-	-	-	-
P-3a - 3 / VV831 - DLF-3B SYSTEMS	P-3a		-	-	0.000	-	-	4.670	-	-	24.439	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**568.893**	**-**	**-**	**27.355**	**-**	**-**	**62.361**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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)
ANTI SHIP MISSILE DECOY SYSTEM	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / VV001 NULKA SYSTEMS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	119.711
P-3a - 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	87.769
P-3a - 3 / VV831 - DLF-3B SYSTEMS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	29.109
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**658.609**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Aggregated Items Title:** ANTI SHIP MISSILE DECOY 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) VV002 - NULKA DECOYS (1)																				
1.1) NULKA DECOYS (2)	A		388,424.97	913	354.632	609,450.00	20	12.189	571,689.66	29	16.579	-	-	-	-	-	-	-	-	-
Subtotal: 1) VV002 - NULKA DECOYS			-	-	*354.632*	-	-	*12.189*	-	-	*16.579*	-	-	-	-	-	-	-	-	-
2) VV830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	25.631	-	-	1.300	-	-	1.370	-	-	-	-	-	-	-	-	-
Subtotal: 2) VV830 - PRODUCTION ENGINEERING			-	-	*25.631*	-	-	*1.300*	-	-	*1.370*	-	-	-	-	-	-	-	-	-
3) VV832 - DLF-3B DECOYS																				
3.1) VV832 DLF-3B DECOYS	A		-	-	-	-	-	-	297,814.81	27	8.041	-	-	-	-	-	-	-	-	-
Subtotal: 3) VV832 - DLF-3B DECOYS			-	-	*0.000*	-	-	-	-	-	*8.041*	-	-	-	-	-	-	-	-	-
4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT																				
4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT	A		-	-	-	-	-	1.498	-	-	0.780	-	-	-	-	-	-	-	-	-
Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT			-	-	*0.000*	-	-	*1.498*	-	-	*0.780*	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**380.263**	**-**	**-**	**14.987**	**-**	**-**	**26.770**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Aggregated Items Title:** ANTI SHIP MISSILE DECOY 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) VV002 - NULKA DECOYS [1]																				
1.1) NULKA DECOYS [2]	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) VV002 - NULKA DECOYS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) VV830 - PRODUCTION ENGINEERING																				
2.1) PRODUCTION ENGINEERING	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) VV830 - PRODUCTION ENGINEERING			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) VV832 - DLF-3B DECOYS																				
3.1) VV832 DLF-3B DECOYS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) VV832 - DLF-3B DECOYS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) VV833 - DLF-3B LOGISTICS/PRODUCTION SUPPORT																				
4.1) VV833 DLF-3B LOGISTICS/ PRODUCTION SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) VV833 - DLF-3B LOGISTICS/ PRODUCTION SUPPORT			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Footnotes:

[1] The FY13 unit cost ($609K) is based on a total procurement of 60 decoys (20 procured with 5530/OPN and 40 procured by Australia). The FY14 unit cost ($614K) is based on a total procurement of 70 decoys (29 procured with 5530/OPN and 41 procured by Australia).

[2] Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5530 / Anti-ship Missile Decoy System	Modification Number / Title: 1 / VV001 NULKA 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	111.450	2.401	5.860	-	-	-	-	-	-	-	-	119.711
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	111.450	2.401	5.860	-	-	-	-	-	-	-	-	119.711
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**111.450**	**2.401**	**5.860**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**119.711**
(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:

Remarks: Total prior year installation QTY (97) differs from procurement QTY (99) due to two sets are shore site installations.

Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

[NULKA SYSTEMS] Program funds the procurement and installation of the MK53 NULKA System.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 1 / VV001 NULKA SYSTEMS
Models of Systems Affected: MK 53 DLS	**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: VV001 NULKA SYSTEMS												
B Kits												
Recurring												
1.1.1) NULKA SYSTEMS - NonOrganic [3]	97 / 34.688	1 / 1.029	1 / 1.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	99 / 36.917
1.1.2) TRAINING EQUIPMENT - NonOrganic	1 / 1.300	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 1.300
Subtotal: Recurring	*- / 35.988*	*- / 1.029*	*- / 1.200*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 38.217*
Subtotal: VV001 NULKA SYSTEMS	*98 / 35.988*	*1 / 1.029*	*1 / 1.200*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*100 / 38.217*
Subtotal: Procurement, All Modification Items	*- / 35.988*	*- / 1.029*	*- / 1.200*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 38.217*
Installation												
Modification Item 1 of 1: VV001 NULKA SYSTEMS	- / 75.462	- / 1.372	- / 4.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 81.494
Subtotal: Installation	*- / 75.462*	*- / 1.372*	*- / 4.660*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 81.494*
Total												
Total Cost (Procurement + Support + Installation)	**111.450**	**2.401**	**5.860**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**119.711**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 1 / VV001 NULKA SYSTEMS

Modification Item 1 of 1: VV001 NULKA SYSTEMS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: SECHAN	Manufacturer Location: >LITITZ, 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	Mar 2013	Feb 2014					
Delivery Dates	May 2014	Apr 2015					

Installation Information

Method of Implementation: AIT : Installation Name: NULKA 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	97 / 74.866	- / -	1 / 3.156	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 78.022
FY 2013	0 / 0.596	- / 0.951	- / 0.543	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.090
FY 2014	- / -	- / 0.421	- / 0.961	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 1.382
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	97 / 75.462	- / 1.372	1 / 4.660	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	98 / 81.494

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98
Out	97	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	98

Footnotes:

(3) Remarks: Total prior year installation QTY (97) differs from procurement QTY (98) due to one set is a shore site installation.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 2 / VV003 ENGINEERING CHANGES AND LOGISTICS 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	77.180	5.297	5.292	-	-	-	-	-	-	-	-	87.769
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	77.180	5.297	5.292	-	-	-	-	-	-	-	-	87.769
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**77.180**	**5.297**	**5.292**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**87.769**
(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:

Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

[DLS ORDALT KITS] Funding will procure Engineering Change Proposals (ECPs)/ORDALT Kits to ensure future tactical suitability and viability of NULKA and to address obsolescence, quality assurance, reliability, safety, Electromagnetic Interference (EMI), and diminishing manufacturing source issues. Additionally, funding will provide for updating Logistics including decoy and special purpose test equipment maintenance, provisioning, transportation, and training school support as required.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT
Models of Systems Affected: DLS/EMC ORDALT KITS	**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: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT												
B Kits												
Non-Recurring												
1.1.1) DLS ORDALT KITS - NonOrganic [4]	42 / 0.004	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.004
1.1.2) EMC ORDALT KITS - Organic	- / 14.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 14.200
Subtotal: Non-Recurring	*- / 14.204*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 14.204*
Subtotal: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	*42 / 14.204*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*42 / 14.204*
Subtotal: Procurement, All Modification Items	*- / 14.204*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 14.204*
Support *(All Modification Items)*												
2.1) ENGINEERING CHANGES	- / 20.092	- / 1.482	- / 1.559	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 23.133
2.2) LOGISTICS/PRODUCTION SUPPORT	- / 42.484	- / 3.815	- / 3.733	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 50.032
Subtotal: Support	*- / 62.576*	*- / 5.297*	*- / 5.292*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 73.165*
Installation												
Modification Item 1 of 1: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT	- / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.400
Subtotal: Installation	*- / 0.400*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 0.400*
Total												
Total Cost (Procurement + Support + Installation)	**77.180**	**5.297**	**5.292**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**87.769**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 2 / VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT

Modification Item 1 of 1: VV003 ENGINEERING CHANGES AND LOGISTICS SUPPORT

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: DLS ORDALT 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	42 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.400
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	42 / 0.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	42 / 0.400

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	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42
Out	42	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	42

Footnotes:

(4) Installation of Ordalt 73014 ($400K) is included for the DLPP (Decoy Launch Processor Program) 6_3 upgrade and is included in Cost Code VVINS (Installation of Equipment).

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5530 / Anti-ship Missile Decoy System	Modification Number / Title: 3 / VV831 - DLF-3B 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	4.670	24.439	-	-	-	-	-	-	-	-	29.109
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	4.670	24.439	-	-	-	-	-	-	-	-	29.109
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**4.670**	**24.439**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**29.109**
(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:

Commencing in FY15, LI 5530 was consolidated under LI 5231 in FY15 and out.

[DLF-3B SYSTEMS] Procurement of the commercially available DLF-3B decoy systems. A ship system consists of 6 decoys, 6 launch tubes, and 1 control panel. The quantity of three in FY 13 represents three complete ship systems.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 3 / VV831 - DLF-3B SYSTEMS
Models of Systems Affected: DLF-3B DECOY SYSTEMS	**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: VV831 - DLF-3B SYSTEMS												
B Kits												
Non-Recurring												
1.1.1) DLF-3B SYSTEMS - NonOrganic	- / -	2 / 4.370	11 / 18.556	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	13 / 22.926
Subtotal: Non-Recurring	- / *0.000*	- / *4.370*	- / *18.556*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *22.926*
Subtotal: VV831 - DLF-3B SYSTEMS	- / -	*2 / 4.370*	*11 / 18.556*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*13 / 22.926*
Subtotal: Procurement, All Modification Items	- / *0.000*	- / *4.370*	- / *18.556*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *22.926*
Installation												
Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS	- / 0.000	- / 0.300	- / 5.883	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 6.183
Subtotal: Installation	- / *0.000*	- / *0.300*	- / *5.883*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *6.183*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**4.670**	**24.439**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**29.109**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5530 / Anti-ship Missile Decoy System	**Modification Number / Title:** 3 / VV831 - DLF-3B SYSTEMS

Modification Item 1 of 1: VV831 - DLF-3B SYSTEMS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: Airborne Systems	Manufacturer Location: >United Kingdom
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	Feb 2014					
Delivery Dates	Apr 2014	Feb 2015					

Installation Information

Method of Implementation: AIT : Installation Name: DLF-3B 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	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2013	- / -	- / 0.300	2 / 3.400	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 3.700
FY 2014	- / -	- / -	- / 2.483	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 2.483
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / 0.300	2 / 5.883	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.183

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5660 / Surface Training Device Mods

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)*	101.704	31.461	41.813	-	-	-	-	-	-	-	-	174.978
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	101.704	31.461	41.813	-	-	-	-	-	-	-	-	174.978
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**101.704**	**31.461**	**41.813**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**174.978**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This line provides funds to procure, modify and upgrade shore based trainers to include Aegis Ashore, LCS, DDG 1000 and surface shore-based navigation, combat systems, engineering, damage control and amphibious warfare individual and team Technical Training Equipment, Training Devices, Training Unique Equipment and Training systems. Funds ensure alignment between Surface Learning Centers and Fleet Concentration Area training systems and fleet training requirements as dictated by Surface and Expeditionary Warfare Training Plan. Additionally, funds support ship on-board training curriculum for the purpose of maintaining perishable operator and maintenance skills.

[P5 / TS004 Surface Training Device Mods]: TS004 Surface Training Device Mods]: TS004- SURFACE MINOR MODS
Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities.
These modifications support the 300+ fielded Surface training systems.

Exhibits Schedule			Prior Years			FY 2013			FY 2014			FY 2015 Base			FY 2015 OCO			FY 2015 Total		
Title*	Exhibits	ID CD	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)	Unit Cost ($)	Qty (Each)	Total Cost ($ M)
Item - 1 / TS004 Surface Training Device Mods [TS004]	P-5		-	-	101.704	-	-	31.461	-	-	41.813	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**101.704**	**-**	**-**	**31.461**	**-**	**-**	**41.813**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

*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.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5660 / Surface Training Device Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A	**Program Elements for Code B Items:**	**Other Related Program Elements:**

Justification:
Program Growth / Justification for Increase from FY 14 to FY 15:

1.1 Surface Minor Mods - Funds development and modernization of 10 systems and sustainment of 145 surface and expeditionary training systems in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies from 2009 through 2013. Specific studies of surface training systems include: Fleet Review Panel of Surface Force Readiness, Aegis Weapon System/SPY Radar Readiness Task Force, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, LCS Front End Analysis (FEA), DDG 1000 wholeness review, LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM), CNSF manpower initiatives impact on readiness, and the Navy IG report on Computer Based Training (CBT). The extensive inventory of training systems to support 16 classes of ships requires continual modernization and modification to ensure alignment with fleet systems while addressing technology obsolescence issues. Increased funding is budgeted to modernize the following 10 systems:
1. Anti-Submarine Tacitcal Air Controller (ASTAC) Simulation Upgrade
2. Damage Control Wet Trainers Upgrades/Refresh
3. DDG 51 Machinery Control System Maintenance Trainer
4. Multi-Mission Team Trainer Upgrades/Lab Refresh
5. Electrical Maintenance Training
6. Air Conditionaing and Refrigeration (AC&R) Maintenance Training
7. Deck System Equipment Training
8. Marine Sanitation Devices
9. LCAC Team Trainer Overhaul/Upgrades
10. Amphibious Boat Control Team Trainer

1.6 Combined IAMD/ASW Trainer (CIAT). From the Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, one of the areas identified for long term investment was the requirement for a high fidelity integrated air and missile defense and anti-submarine warfare training capability. Due to the cost prohibitive realities associated with development of ship high fidelity training systems, which currently meet only 60% of the CNO requirement for ship training systems to be commensurate with tactical system capability, this shore capability is being developed. The CIAT will field in the Fleet Concentration Areas of San Diego, Yokosuka, Pearl Harbor, and Norfolk in support of program of record advanced warfare training. This development effort begins in FY14 with the first trainer being developed for San Diego. In FY15, the first trainer will be installed in San Diego and development and procurement will occur for the Yokosuka and Pearl Harbor trainers necessitating the $6.23M increase from FY14 to FY15. Without the increased funding in FY15, installation and procurement of the trainers will be impacted resulting in delaying accurate and required training for integrated air and anti-submarine warfare weapon system operators.

1.7 NTSP TTE/TD Mods - Funds develop and modernize 16 surface and expeditionary training systems in multiple school houses in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies, NTSP updates, and Technical Training Audits from 2009 through 2013. One of the key items identified in the Fleet Review Panel of Surface Force Readiness, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, LCS Front End Analysis (FEA), DDG 1000 wholeness review, and LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM) analysis done by the Surface Warfare Enterprise was the outdated or lack of training equipment in the schoolhouses. Based on this analysis the Program Growth of $16.2M from FY 14 includes requirements identified in approximately 80 Navy Training System Plan updates and 35 Technical Training Course Audits. This investment will be for the procurement and installation of Training Equipment at Learning Centers to keep training courses in alignment with current configuration of equipment in the fleet. Investment ensures Surface Warfare Training Continuums are capable of meeting training requirements directly supporting readiness for the following systems/courses:
1. Collection, Holding and Transfer (CHT)
2. Controllable Pitch Propeller
3. LPD 17 Class Smoke Ejection
4. Damage Control
5. Firefighting

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	P-1 Line Item Number / Title: 5660 / Surface Training Device Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

6. Fuel Oil Systems
7. Anchoring, Mooring and Towing
8. Amphibious Assault Vehicle Handling, Stowage and Support
9. Handling and Stowing Boats and Small Craft
10. Hull Outfitting Equipment
11. Shipboard Crane Systems
12. Underway Replenishment Systems
13. CIN A-651-0064 Engineering Principles and Practices
14. CIN A-651-0069 Controls, Governors, and Regulator Maintenance
15. CIN A-651-0110 Senior Prop Engineering Course
16. CIN A-4H-0157 Advanced Steam Course

1.9 CSCS Modernization/AEGIS capability Build (ACB) Training System. The Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents that there is training shortfall for procurement and installation of ACB TTE Simulation/Stimulation at the ATRC Learning Site. The current ATRC training systems utilize expensive and maintenance-intensive ruggedized shipboard equipment which is obsolete and unsupportable. The $5.0M increase in FY15 (FY15 start) provides for hardware and software development and installation of trainers which leverage Combined IAMD/ASW Trainer (CIAT) sim/stim technology and equipment, thus reducing Total Ownership Cost (TOC). Without this funding, existing training labs at ATRC will not be upgraded or maintained to provide accurate training and the required training lab for ACB Program of Record will not be developed. Aegis operators and maintainers will not be trained on accurate systems which will directly impact fleet readiness.

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5660 / Surface Training Device Mods	**Item Number / Title [DODIC]:** 1 / TS004 Surface Training Device Mods [TS004]

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	101.704	31.461	41.813	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	101.704	31.461	41.813	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**101.704**	**31.461**	**41.813**	**-**	**-**	**-**
(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.

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 - Trainers Cost Cost																			
Recurring Cost																			
1.1.1) SURFACE MINOR MODS [1]		-	-	92.498	-	-	5.052	-	-	5.256	-	-	-	-	-	-	-	-	-
1.1.2) FFT/SLEP/ MODULAR TRAINER [2]		-	-	8.751	-	-	0.922	-	-	0.922	-	-	-	-	-	-	-	-	-
1.1.3) FCA TRAINERS [3]		-	-	-	-	-	5.287	-	-	2.465	-	-	-	-	-	-	-	-	-
1.1.4) NSST Training Support [4]		-	-	0.455	-	-	0.600	-	-	0.600	-	-	-	-	-	-	-	-	-
1.1.5) AEGIS Ashore Trainer/C4I/5.0CU/ Tech Refresh [5]		-	-	-	-	-	19.600	-	-	23.900	-	-	-	-	-	-	-	-	-
1.1.6) Combined IAMD/ASW Trainer (CIAT) [6]		-	-	-	-	-	-	-	-	3.570	-	-	-	-	-	-	-	-	-
1.1.7) Navy Training System Plan (NTSP TTE/TD Mods) [7]		-	-	-	-	-	-	-	-	3.600	-	-	-	-	-	-	-	-	-
1.1.8) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer [8]		-	-	-	-	-	-	-	-	1.500	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5660 / Surface Training Device Mods	Item Number / Title [DODIC]: 1 / TS004 Surface Training Device Mods [TS004]

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)
1.1.9) CSCS Modernization/AEGIS Capability Build (ACB) Training Systems [9]		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	*101.704*	-	-	*31.461*	-	-	*41.813*	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Trainers Cost Cost		-	-	*101.704*	-	-	*31.461*	-	-	*41.813*	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost		-	-	**101.704**	-	-	**31.461**	-	-	**41.813**	-	-	-	-	-	-	-	-	-

Footnotes:

[1] SURFACE MINOR MODS - Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities. These modifications support the 300+ fielded Surface training systems.

[2] FFT/SLEP/MODULAR TRAINER-Funds are provided for the Service Life Extension Program (SLEP) Firefighter Trainer (FFT).

[3] FCA TRAINERS - Funds are provided for upgrades to shore based trainers (Combat System, HM&E) in Fleet Concentration Areas.

[4] NAVIGATION TRAINING SUPPORT - Funds are provided for modifications/upgrades to Navigation Shore Based Trainers

[5] AEGIS ASHORE TRAINER/C4I/5.0CU/Tech Refresh -Funds development, delivery, installation and life-cycle maintenance support of a high fidelity Aegis Ashore Team Trainer in support of the land-based Aegis Ashore Training Continuum. Funds also provide for the integration of a C4I component, 5.0 Capability Upgrade (CU) and tech refresh.

[6] COMBINED IAMD/ASW TRAINER (CIAT) -Funds are provided to procure and install hardware for a Shore Based IAMD and ASW Trainer.

[7] NAVY TRAINING SYSTEM PLAN (NTSP TTE/TD MODS) - Funds are provided for the procurement and installation of training equipment and associated logistic support package as outlined in the NTSPs.

[8] NIFC-CA Trainer - Funds are for the procurment and integration of models to allow for NIFC-CA and Engage on Remote training at ATRC Labs.

[9] CSCS Modernization/AEGIS Capability Build (ACB) Training Systems - Funds are provided for upgrades to current CSCS and ATRC training systems to eliminate reliance on outdated and maintenance-intensive technical training equipment. Procure and install equipment which will allow for training on Aegis ACB 16 and install simulation/stimulation to be used in training systems for ATRC and CSCS Aegis curriculum.

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods

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)*	269.459	21.599	26.672	-	-	-	-	-	-	-	-	317.730
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	269.459	21.599	26.672	-	-	-	-	-	-	-	-	317.730
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**269.459**	**21.599**	**26.672**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**317.730**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	0.162	0.136	-	-	-	-	-	-	-	-	0.298
Flyaway Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Unit Cost *($ in Dollars)*	-	-	-	-	-	-	-	-	-	-	-	-

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

Description:

This line provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.

[P40A / TD002: SUBMARINE TRAINING DEVICE MODS]: Provides funding for modifications which are upgrades to submarine training systems and TECs which are centrally managed systems. These improvements/upgrades are required to keep training systems, such as the Ship Control Operator Trainer (SCOT) and Submarine Bridge Trainer (SBT), compatible with equivalent changes made to fleet operational equipment and to change trainer capabilities to meet emergent training requirements.

[P40A / TD006: SUB COAET]: TD006 SUBMARINE COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET)
The COAET is an interactive, fundamental skills-level and employment skills trainer. It allows for introduction of new fleet requirements and upgrades. The purpose of these devices is to provide operator and introductory team training to submarine force personnel prior to entry into the full-up Submarine Multi Mission Team Trainer (SMMTT). It also provides supplemental training to off-load the heavily utilized attack center trainers. COAET provides training utilizing partial tactical builds and emulations of the latest Sonar and Combat Control Systems. These devices provide an environment substantially equivalent to that found on board ship, thus enabling students to develop and maintain the attack center expertise necessary to support Fleet operations. Also provides funding for TECs, Virtualized Tactical Control (VTAC), Advanced Processing Build (APB)/ Technical Insertion (TI), and Sonar Tactical Decision Aid (STDA) implementation.

[P40A / TD009: SMMTT PH3]: TD009 SUBMARINE MULTI MISSION TEAM TRAINER (SMMTT)
To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shore based Combat System Team Trainers capable of training personnel in all aspects of submarine approach, attack and surveillance operations in a controlled, simulated environment. Includes funding for TECs.

The Combat Control System (CCS) AN/BYG-1 is installed on SSN/SSBN/SSGN Class submarines, and there are currently plans to further upgrade these systems with the hardware revisions which provide enhanced warfighter capabilities. The Tactical Acoustic Rapid COTS (commercial-off-the-shelf) Insertion (ARCI) AN/BQQ-10 phased upgrades are being installed with the next revision which provides enhanced warfighter capabilities. These CCS and ARCI upgrades to the AN/BYG1 and BQQ-10 systems directly impact shore based Team Trainers. SMMTT also includes annual Tactical Imaging TI/APB upgrades that support multiple classes of submarines.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods

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

The Submarine Multi-Mission Team Trainer (SMMTT) supports operator, employment, strike, and Battle Group training for enlisted and officer pipelines for these systems. The SMMTT provides operators and combat teams the opportunity to train ashore, prior to, and between deployments. The shore based training provides a means of maintaining team proficiency prior to ship deployment. SMMTT is also used for SSN/SSGN crew certification.
SMMTT replaced all Military (MIL) Standard hardware in previous systems with commercial emulation hardware, enabling platform independence and wide area network capability. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system.
Plans are established to likewise upgrade submarine tactical systems to an OA, and the trainers will be compatible with the tactical interfaces. This program includes modifications to the functionality of the Periscope Simulator (PSIM) to provide common imaging training for CCS trainers and includes Electronic Surveillance Simulation Software. Recent tactical CCS change the interfaces for the software updates to the navigation submarine trainers.

SMMTT is also used for SSGN crew certification prior to crew flyaway for crew swapout. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system. .

Legacy SMMTT supports SSBN Crew Certification and predeployment training as required by the Type Commander. LSMMTT also supports SSNs that have not been modernized in the TI/APB process including SSN 774 class submarines. LSMMTT is a combination of tactical combat controls in sonar systems driven by simulation/stimulation devices and leverages additional trainer simulation/auxiliary ship systems. The VA SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

FY13 procured 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.

FY14 procures 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.

[P40A / TD015: SNADIS]: TD015 SNADIS
SUBMARINE NON-TACTICAL APPLICATIONS DELIVERY INTERFACE SYSTEM (SNADIS) NETWORK: This system has been identified by the Submarine Type Commanders and approved by CNO to enable access to all data required to support Fleet Operational, Training, and Administrative requirements through a single, common, force-wide information delivery application interface. This program is for technical data, logistics, and training delivery management. The program must operate within the IT21/NMCI network infrastructure; and should leverage both the VIRGINIA Class paperless ship initiatives and the Navy's non-tactical application development managed by SPAWAR, as well as recognize shipboard requirements for complete non-tactical applications integration. SNADIS program discontinues after FY11.

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 Training Device Mods	P-40a		-	-	129.842	-	-	10.589	-	-	11.879	-	-	-	-	-	-	-	-	-
P-3a - 1 / TD009 SMMTT PH3 MODIFICATIONS	P-3a		-	-	99.925	-	-	10.455	-	-	10.893	-	-	-	-	-	-	-	-	-
P-3a - 2 / TD009 SMMTT PH3 MODS GUAM	P-3a		-	-	7.938	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods
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 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT	P-3a		-	-	6.178	-	-	0.200	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT	P-3a		-	-	13.800	-	-	0.355	-	-	3.900	-	-	-	-	-	-	-	-	-
P-3a - 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT	P-3a		-	-	11.776	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Gross/Weapon System Cost			**-**	**-**	**269.459**	**-**	**-**	**21.599**	**-**	**-**	**26.672**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

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 Training Device Mods	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / TD009 SMMTT PH3 MODIFICATIONS	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	121.273
P-3a - 2 / TD009 SMMTT PH3 MODS GUAM	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7.938
P-3a - 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6.378
P-3a - 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18.055
P-3a - 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT	P-3a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	11.776
Total Gross/Weapon System Cost			**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**317.730**

*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.

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Aggregated Items Title:** Submarine Training Device Mods

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) TD002: SUBMARINE TRAINING DEVICE MODS																				
1.1) SUBMARINE TRAINING DEVICE MODS	A		-	-	10.540	-	-	1.180	-	-	1.151	-	-	-	-	-	-	-	-	-
1.2) SCOT MODS	A		-	-	4.121	-	-	1.082	-	-	1.104	-	-	-	-	-	-	-	-	-
Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS			-	-	*14.661*	-	-	*2.262*	-	-	*2.255*	-	-	-	-	-	-	-	-	-
2) TD006: SUB COAET																				
2.1) MODIFICATIONS	A		771,785.71	28	21.610	539,250.00	4	2.157	1,022K	4	4.088	-	-	-	-	-	-	-	-	-
Subtotal: 2) TD006: SUB COAET			-	-	*21.610*	-	-	*2.157*	-	-	*4.088*	-	-	-	-	-	-	-	-	-
3) TD009: SMMTT PH3 (1)																				
3.1) EPM - SMMTT SSN	A		2,348K	7	16.438	1,993K	1	1.993	2,033K	1	2.033	-	-	-	-	-	-	-	-	-
3.2) TECH SUPPORT	A		-	-	27.936	-	-	4.177	-	-	3.503	-	-	-	-	-	-	-	-	-
3.3) MODS VA CLASS SMMTT EPM	A		3,763K	4	15.052	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) SSBN SMMTT STRATEGIC FORCES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) MODS OBTT SMMTT	A		-	-	3.750	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) TD009: SMMTT PH3			-	-	*63.176*	-	-	*6.170*	-	-	*5.536*	-	-	-	-	-	-	-	-	-
4) TD015: SNADIS																				
4.1) MODIFICATIONS	A		-	-	30.395	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) TD015: SNADIS			-	-	*30.395*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**129.842**	**-**	**-**	**10.589**	**-**	**-**	**11.879**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Aggregated Items Title:** Submarine Training Device Mods

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) TD002: SUBMARINE TRAINING DEVICE MODS																				
1.1) SUBMARINE TRAINING DEVICE MODS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) SCOT MODS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) TD006: SUB COAET																				
2.1) MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) TD006: SUB COAET			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) TD009: SMMTT PH3 (1)																				
3.1) EPM - SMMTT SSN	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) TECH SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) MODS VA CLASS SMMTT EPM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) SSBN SMMTT STRATEGIC FORCES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) MODS OBTT SMMTT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) TD009: SMMTT PH3			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) TD015: SNADIS																				
4.1) MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) TD015: SNADIS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(1) Beginning in FY12, the TD009 cost code VA CLASS SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	99.925	10.455	10.893	-	-	-	-	-	-	-	-	121.273
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	99.925	10.455	10.893	-	-	-	-	-	-	-	-	121.273
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**99.925**	**10.455**	**10.893**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**121.273**
(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:
SMMTT upgrades to hardware and simulation to match current Fleet configurations.

[SMMTT PH3 MODS] SMMTT upgrades to hardware and simulation to match current Fleet configurations.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS
Models of Systems Affected: SMMTT PH3 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: TD009 SMMTT PH3 MODIFICATIONS												
B Kits												
Recurring												
1.1.1) SMMTT PH3 MODS - NonOrganic [2]	28 / 97.178	4 / 10.270	4 / 10.253	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	36 / 117.701
Subtotal: Recurring	*- / 97.178*	*- / 10.270*	*- / 10.253*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 117.701*
Subtotal: TD009 SMMTT PH3 MODIFICATIONS	*28 / 97.178*	*4 / 10.270*	*4 / 10.253*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*36 / 117.701*
Subtotal: Procurement, All Modification Items	*- / 97.178*	*- / 10.270*	*- / 10.253*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 117.701*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODIFICATIONS	- / 2.747	- / 0.185	- / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 3.572
Subtotal: Installation	*- / 2.747*	*- / 0.185*	*- / 0.640*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 3.572*
Total												
Total Cost (Procurement + Support + Installation)	**99.925**	**10.455**	**10.893**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**121.273**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS

Modification Item 1 of 1: TD009 SMMTT PH3 MODIFICATIONS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC CD/NUWC NPT (3)	Manufacturer Location: >BETHESDA, MD/ NEWPORT, RI
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 17

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

Installation Information

Method of Implementation: AIT : Installation Name: SMMTT PH3 MODS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*
Prior Years	22 / 2.747	4 / 0.185	2 / 0.299	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	28 / 3.231
FY 2013	- / -	- / -	2 / 0.341	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.341
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	22 / 2.747	4 / 0.185	4 / 0.640	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	30 / 3.572

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4		
In	22	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30
Out	22	1	1	1	1	1	1	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	30

Footnotes:

(2) Production lead time increased from an average of 11 months to 17 months due to an increase in Tactical TI/APB scheduled deliveries to the fleet and Engineering Production Model.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS

(3) NSWC CD & NUWC NPT are collaborating warfare centers that manage and execute the SMMTT as directed by NAVSEA. Both warfare centers function as a prime for this effort. However, for cost efficiency purposes, they compete their cognizant tasks among multiple vendors with multiple orders to provide equipment/software in a timely manner to meet the fleet required training dates. As such, the SMMTT delivery is not linked to any single contract date.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5661 / Submarine Training Device Mods	Modification Number / Title: 2 / TD009 SMMTT PH3 MODS GUAM

Resource Summary	Prior Years	FY 2013	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)*	7.938	-	-	-	-	-	-	-	-	-	-	7.938
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	7.938	-	-	-	-	-	-	-	-	-	-	7.938
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**7.938**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7.938**
(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 SMMTT trainer to ships in Guam.

[GUAM SMMTT] Provides SMMTT trainer to ships in Guam.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 2 / TD009 SMMTT PH3 MODS GUAM
Models of Systems Affected: SMMTT PH3 MODS GUAM	**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: TD009 SMMTT PH3 MODS GUAM												
B Kits												
Non-Recurring												
1.1.1) GUAM SMMTT - NonOrganic	1 / 7.498	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 7.498
Subtotal: Non-Recurring	*- / 7.498*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 7.498*
Subtotal: TD009 SMMTT PH3 MODS GUAM	*1 / 7.498*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*1 / 7.498*
Subtotal: Procurement, All Modification Items	*- / 7.498*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 7.498*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODS GUAM	- / 0.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.440
Subtotal: Installation	*- / 0.440*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*- / 0.440*
Total												
Total Cost (Procurement + Support + Installation)	**7.938**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**7.938**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 2 / TD009 SMMTT PH3 MODS GUAM

Modification Item 1 of 1: TD009 SMMTT PH3 MODS GUAM

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC CD	Manufacturer Location: >BETHESDA, MD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 10

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

Installation Information

Method of Implementation: AIT : Installation Name: GUAM SMMTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 0.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.440
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.440	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.440

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	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1
Out	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT

Resource Summary	Prior Years	FY 2013	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)*	6.178	0.200	-	-	-	-	-	-	-	-	-	6.378
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	6.178	0.200	-	-	-	-	-	-	-	-	-	6.378
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**6.178**	**0.200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.378**
(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 SSN21 SEAWOLF Class SMMTT systems.

OSD12 comment - Type commander cancelled TI08 install and directed TI12 be delivered to better support SSN21 class modernization.

[SEAWOLF SMMTT] Provides SSN21 SEAWOLF Class SMMTT systems.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT
Models of Systems Affected: SMMTT PH3 MODS SEAWOLF SMMTT	**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: TD009 SMMTT PH3 MODS SEAWOLF SMMTT												
B Kits												
Non-Recurring												
1.1.1) SEAWOLF SMMTT - NonOrganic [4]	2 / 6.178	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 6.178
Subtotal: Non-Recurring	- / *6.178*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *6.178*
Subtotal: TD009 SMMTT PH3 MODS SEAWOLF SMMTT	*2 / 6.178*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*2 / 6.178*
Subtotal: Procurement, All Modification Items	- / *6.178*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *6.178*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODS SEAWOLF SMMTT	- / 0.000	- / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.200
Subtotal: Installation	- / *0.000*	- / *0.200*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.200*
Total												
Total Cost (Procurement + Support + Installation)	**6.178**	**0.200**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**6.378**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 3 / TD009 SMMTT PH3 MODS SEAWOLF SMMTT

Modification Item 1 of 1: TD009 SMMTT PH3 MODS SEAWOLF SMMTT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: New MFG - Name (5)	Manufacturer Location: >New MFG - Loc
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: [none specified] : Installation Name: SEAWOLF SMMTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.200
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	2 / 0.200	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.200

Installation Schedule

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

Footnotes:

(4) OSD-12 comment - Type commander cancelled TI08 install and directed TI12 be delivered to better support SSN21 class modernization.

(5) See P3a remarks section.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT

Resource Summary	Prior Years	FY 2013	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)*	13.800	0.355	3.900	-	-	-	-	-	-	-	-	18.055
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	13.800	0.355	3.900	-	-	-	-	-	-	-	-	18.055
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**13.800**	**0.355**	**3.900**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**18.055**
(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 SMMTT modifications to match Tactical advanced sensor configurations.

[MODS TI-0X SMMTT] Provides SMMTT modifications to match Tactical advanced sensor configurations.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT
Models of Systems Affected: SMMTT PH3 MODS TI-OX SMMTT	**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: TD009 SMMTT PH3 MODS TI-OX SMMTT												
B Kits												
Recurring												
1.1.1) MODS TI-0X SMMTT - NonOrganic [6]	5 / 13.600	- / -	1 / 3.800	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 17.400
Subtotal: Recurring	*- / 13.600*	*- / -*	*- / 3.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 17.400*
Subtotal: TD009 SMMTT PH3 MODS TI-OX SMMTT	*5 / 13.600*	*- / -*	*1 / 3.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*6 / 17.400*
Subtotal: Procurement, All Modification Items	*- / 13.600*	*- / -*	*- / 3.800*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 17.400*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODS TI-OX SMMTT	- / 0.200	- / 0.355	- / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.655
Subtotal: Installation	*- / 0.200*	*- / 0.355*	*- / 0.100*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / -*	*- / 0.655*
Total												
Total Cost (Procurement + Support + Installation)	**13.800**	**0.355**	**3.900**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**18.055**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 4 / TD009 SMMTT PH3 MODS TI-OX SMMTT

Modification Item 1 of 1: TD009 SMMTT PH3 MODS TI-OX SMMTT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC CD (7)	Manufacturer Location: >BETHESDA, 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	Nov 2012	Nov 2013					
Delivery Dates	Nov 2013	May 2014					

Installation Information

Method of Implementation: AIT : Installation Name: MODS TI-0X SMMTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 0.200	4 / 0.355	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	5 / 0.555
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	1 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.100
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	1 / 0.200	4 / 0.355	1 / 0.100	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	6 / 0.655

Installation Schedule

	PYS	FY 2013				FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				TC	Tot
		Q1	Q2	Q3	Q4	Q1	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6
Out	1	4	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6

Footnotes:

(6) FY14 SMMTT TI-0X provides a SSN SMMTT variant to allow fleet training in Groton. This technology already exists in fleet submarines, thus allowing easier implementation into the trainer baseline. Easier implementation will decrease the amount of leadtime needed for installation time for FY14 procurement.

(7) See P3A remarks section for additional inforrmation. 12 month leadtime is an average. FY14 leadtimes are slightly less .

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT

Resource Summary	Prior Years	FY 2013	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)*	11.776	-	-	-	-	-	-	-	-	-	-	11.776
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	11.776	-	-	-	-	-	-	-	-	-	-	11.776
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**11.776**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11.776**
(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 VA Class functions to SMMTT.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT
Models of Systems Affected: SMMTT PH3 MODS VA CLASS SMMTT	**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: TD009 SMMTT PH3 MODS VA CLASS SMMTT												
B Kits												
Recurring												
1.1.1) MODS VA CLASS SMMTT - NonOrganic [8]	3 / 11.176	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 11.176
Subtotal: Recurring	- / *11.176*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *11.176*
Subtotal: TD009 SMMTT PH3 MODS VA CLASS SMMTT	*3 / 11.176*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	*3 / 11.176*
Subtotal: Procurement, All Modification Items	- / *11.176*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *11.176*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODS VA CLASS SMMTT	- / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / 0.600
Subtotal: Installation	- / *0.600*	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / *0.600*
Total												
Total Cost (Procurement + Support + Installation)	**11.776**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11.776**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5661 / Submarine Training Device Mods	**Modification Number / Title:** 5 / TD009 SMMTT PH3 MODS VA CLASS SMMTT

Modification Item 1 of 1: TD009 SMMTT PH3 MODS VA CLASS SMMTT

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC CD (9)	Manufacturer Location: >BETHESDA, MD
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 22

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: MODS VA CLASS SMMTT

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.600
FY 2013	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2014	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	3 / 0.600	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	3 / 0.600

Installation Schedule

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

Footnotes:

(8) The production dates for FY08 were DEC07 - JAN10 (26 Months) for the first kit. The second kit DEC08-SEP10 (22 Months). Third kit is NOV10-MAY11 (6 months; easier purchase/install with lessons learned incorporated). Therefore, the range of 6-22 months production time is provided.

(9) See P3a remarks sections

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Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5662 / Training Device Mods

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

Resource Summary	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO#	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
Procurement Quantity *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	84.080	-	84.080	67.341	57.036	45.703	62.497	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	84.080	-	84.080	67.341	57.036	45.703	62.497	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**84.080**	**-**	**84.080**	**67.341**	**57.036**	**45.703**	**62.497**	**Continuing**	**Continuing**
(The following Resource Summary rows are for informational purposes only. The corresponding budget requests are documented elsewhere.)												
Initial Spares *($ in Millions)*	-	-	-	0.211	-	0.211	0.183	0.173	0.195	0.180	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:

ORDNANCE SUPPORT EQUIPMENT provides funds for the procurement of gun, missile, and ASW fire control and support equipment, mine components, FBM support equipment, and support for other expendable ordnance. This budget activity is coordinated by the Naval Sea Systems Command.

This line also provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.

[P40A / Submarine Training Device Mods]: This line provides funds to modify/upgrade training devices to keep them compatible with equivalent changes made to Fleet operational equipment and to implement Training Enhancement Changes (TECs) to the trainer systems capabilities.

[P40A / TD002: SUBMARINE TRAINING DEVICE MODS]: Provides funding for modifications which are upgrades to submarine training systems and TECs which are centrally managed systems. These improvements/upgrades are required to keep training systems, such as the Ship Control Operator Trainer (SCOT) and Submarine Bridge Trainer (SBT), compatible with equivalent changes made to fleet operational equipment and to change trainer capabilities to meet emergent training requirements.

[P40A / TD006: SUB COAET]: TD006 SUBMARINE COMMON OPERATIONAL ANALYSIS AND EMPLOYMENT TRAINER (COAET)
The COAET is an interactive, fundamental skills-level and employment skills trainer. It allows for introduction of new fleet requirements and upgrades. The purpose of these devices is to provide operator and introductory team training to submarine force personnel prior to entry into the full-up Submarine Multi Mission Team Trainer (SMMTT). It also provides supplemental training to off-load the heavily utilized attack center trainers. COAET provides training utilizing partial tactical builds and emulations of the latest Sonar and Combat Control Systems. These devices provide an environment substantially equivalent to that found on board ship, thus enabling students to develop and maintain the attack center expertise necessary to support Fleet operations. Also provides funding for TECs, integration of Acoustic Analysis Trainer (AAT), Virtualized Tactical Control (VTAC), Advanced Processing Build (APB)/ Technical Insertion (TI), and Sonar Tactical Decision Aid (STDA) implementation.

[P40A / TD009: SMMTT PH3]: TD009 SUBMARINE MULTI MISSION TEAM TRAINER (SMMTT)
To achieve desired submarine force readiness levels, it is necessary to construct highly sophisticated shore based Combat System Team Trainers capable of training personnel in all aspects of submarine approach, attack and surveillance operations in a controlled, simulated environment. Includes funding for TECs.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	P-1 Line Item Number / Title: 5662 / Training Device Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

The Combat Control System (CCS) AN/BYG-1 is installed on SSN/SSBN/SSGN Class submarines, and there are currently plans to further upgrade these systems with the hardware revisions which provide enhanced warfighter capabilities. The Tactical Acoustic Rapid COTS (commercial-off-the-shelf) Insertion (ARCI) AN/BQQ-10 phased upgrades are being installed with the next revision which provides enhanced warfighter capabilities. These CCS and ARCI upgrades to the AN/BYG1 and BQQ-10 systems directly impact shore based Team Trainers. SMMTT also includes annual Tactical Imaging TI/APB upgrades that support multiple classes of submarines.
The Submarine Multi-Mission Team Trainer (SMMTT) supports operator, employment, strike, and Battle Group training for enlisted and officer pipelines for these systems. The SMMTT provides operators and combat teams the opportunity to train ashore, prior to, and between deployments. The shore based training provides a means of maintaining team proficiency prior to ship deployment. SMMTT is also used for SSN/SSGN crew certification.
SMMTT replaced all Military (MIL) Standard hardware in previous systems with commercial emulation hardware, enabling platform independence and wide area network capability. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system.
Plans are established to likewise upgrade submarine tactical systems to an OA, and the trainers will be compatible with the tactical interfaces. This program includes modifications to the functionality of the Periscope Simulator (PSIM) to provide common imaging training for CCS trainers and includes Electronic Surveillance Simulation Software. Recent tactical CCS change the interfaces for the software updates to the navigation submarine trainers.

SMMTT is also used for SSGN crew certification prior to crew flyaway for crew swapout. The use of Open Architecture (OA) trainer systems allows for the continuous growth of functional flexibility ultimately leading to employment training conducted for any submarine combat system. .

Legacy SMMTT supports SSBN Crew Certification and predeployment training as required by the Type Commander. LSMMTT also supports SSNs that have not been modernized in the TI/APB process including SSN 774 class submarines. LSMMTT is a combination of tactical combat controls in sonar systems driven by simulation/stimulation devices and leverages additional trainer simulation/auxiliary ship systems. The VA SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

FY13 procured 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.

FY14 procures 5 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures four SMMTT kit upgrades to appropriate APB and TI; procures one SMMTT kit in Guam; procures four SMMTT upgrade kits with TI0x advanced sensor mods.

FY15 procures 4 items: Procures one SMMTT EPM updates to match the latest Fleet tactical build for SSNs and unique sensors; procures three SMMTT kit upgrades to appropriate APB and TI.

[P40A / TD015: SNADIS]: TD015 SNADIS
SUBMARINE NON-TACTICAL APPLICATIONS DELIVERY INTERFACE SYSTEM (SNADIS) NETWORK: This system has been identified by the Submarine Type Commanders and approved by CNO to enable access to all data required to support Fleet Operational, Training, and Administrative requirements through a single, common, force-wide information delivery application interface. This program is for technical data, logistics, and training delivery management. The program must operate within the IT21/NMCI network infrastructure; and should leverage both the VIRGINIA Class paperless ship initiatives and the Navy's non-tactical application development managed by SPAWAR, as well as recognize shipboard requirements for complete non-tactical applications integration. SNADIS program discontinues after FY11.

[P5 / TS004 Surface Training Device Mods]: This line provides funds to procure, modify and upgrade shore based trainers to include Aegis Ashore, LCS, DDG 1000 and surface shore-based navigation, combat systems, engineering, damage control and amphibious warfare individual and team Technical Training Equipment, Training Devices, Training Unique Equipment and Training systems. Funds ensure alignment between Surface Learning Centers and Fleet Concentration Area training systems and fleet training requirements as dictated by Surface and Expeditionary Warfare Training Plan. Additionally, funds support ship on-board training curriculum for the purpose of maintaining perishable operator and maintenance skills.

[P5 / SURFACE MINOR MODS]: Funds development and modernization of 10 systems and sustainment of 145 surface and expeditionary training systems in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies from 2009 through 2013. Specific studies of surface training systems include: Fleet Review Panel of Surface Force Readiness, Aegis Weapon System/SPY Radar Readiness Task Force, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, Fleet Integrated

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5662 / Training Device Mods

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

Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, LCS Front End Analysis (FEA), DDG 1000 wholeness review, LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM), CNSF manpower initiatives impact on readiness, and the Navy IG report on Computer Based Training (CBT). The extensive inventory of training systems to support 16 classes of ships requires continual modernization and modification to ensure alignment with fleet systems while addressing technology obsolescence issues. Increased funding is budgeted to modernize the following 10 systems:

1. Anti-Submarine Tacitcal Air Controller (ASTAC) Simulation Upgrade
2. Damage Control Wet Trainers Upgrades/Refresh
3. DDG 51 Machinery Control System Maintenance Trainer
4. Multi-Mission Team Trainer Upgrades/Lab Refresh
5. Electrical Maintenance Training
6. Air Conditionaing and Refrigeration (AC&R) Maintenance Training
7. Deck System Equipment Training
8. Marine Sanitation Devices
9. LCAC Team Trainer Overhaul/Upgrades

[P5 / Combined IAMD/ASW Trainer (CIAT)]: From the Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents, one of the areas identified for long term investment was the requirement for a high fidelity integrated air and missile defense and anti-submarine warfare training capability. Due to the cost prohibitive realities associated with development of ship high fidelity training systems, which currently meet only 60% of the CNO requirement for ship training systems to be commensurate with tactical system capability, this shore capability is being developed. The CIAT will field in the Fleet Concentration Areas of San Diego, Yokosuka, Pearl Harbor, and Norfolk in support of program of record advanced warfare training. This development effort begins in FY14 with the first trainer being developed for San Diego. In FY15, the first trainer will be installed in San Diego and development and procurement will occur for the Yokosuka and Pearl Harbor trainers necessitating the $6.23M.

[P5 / Navy Training System Plan (NTSP TTE/TD Mods)]: Funds develop and modernize 16 surface and expeditionary training systems in multiple school houses in accordance with the results of CNO directed and OPNAV and Fleet sponsored studies, NTSP updates, and Technical Training Audits from 2009 through 2013. One of the key items identified in the Fleet Review Panel of Surface Force Readiness, LPD 17 Class Wholeness Task Force, MCM Readiness Task Force, Navigation Wholeness Study, OPNAV-sponsored Surface Engineering Training Wholeness Review, LCS Front End Analysis (FEA), DDG 1000 wholeness review, and LHD 8/ LHA 6 Training Requirements Planning and Programming (TRPPM) analysis done by the Surface Warfare Enterprise was the outdated or lack of training equipment in the schoolhouses. Based on this analysis the Program Growth of $16.2M includes requirements identified in approximately 80 Navy Training System Plan updates and 35 Technical Training Course Audits. This investment will be for the procurement and installation of Training Equipment at Learning Centers to keep training courses in alignment with current configuration of equipment in the fleet. Investment ensures Surface Warfare Training Continuums are capable of meeting training requirements directly supporting readiness for the following systems/courses:

1. Collection, Holding and Transfer (CHT)
2. Controllable Pitch Propeller
3. LPD 17 Class Smoke Ejection
4. Damage Control
5. Firefighting
6. Fuel Oil Systems
7. Anchoring, Mooring and Towing
8. Amphibious Assault Vehicle Handling, Stowage and Support
9. Handling and Stowing Boats and Small Craft
10. Hull Outfitting Equipment
11. Shipboard Crane Systems
12. Underway Replenishment Systems
13. CIN A-651-0064 Engineering Principles and Practices
14. CIN A-651-0069 Controls, Governors, and Regulator Maintenance
15. CIN A-651-0110 Senior Prop Engineering Course

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy	Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	**P-1 Line Item Number / Title:** 5662 / Training Device Mods

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

16. CIN A-4H-0157 Advanced Steam Course

[P5 / CSCS Modernization/AEGIS Capability Build (ACB) Training Systems]: The Aegis Weapon System/SPY Radar Readiness Task Force, OPNAV-sponsored Fleet Integrated Air and Missile Defense and Anti-Submarine Warfare Improvement Programs, Aegis Ashore, Naval Integrated Fire Control-Counter Air (NIFC-CA) and C5I training requirements documents that there is training shortfall for procurement and installation of ACB TTE Simulation/Stimulation at the ATRC Learning Site. The current ATRC training systems utilize expensive and maintenance-intensive ruggedized shipboard equipment which is obsolete and unsupportable. The $5.0M in FY15 provides for hardware and software development and installation of trainers which leverage Combined IAMD/ASW Trainer (CIAT) sim/stim technology and equipment, thus reducing Total Ownership Cost (TOC). Without this funding, existing training labs at ATRC will not be upgraded or maintained to provide accurate training and the required training lab for ACB Program of Record will not be developed. Aegis operators and maintainers will not be trained on accurate systems which will directly impact fleet readiness.

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 Training Device Mods	P-40a		-	-	0.000	-	-	-	-	-	-	-	-	11.889	-	-	-	-	-	11.889
Item - 1 / TS004 Surface Training Device Mods [TS004]	P-5		-	-	0.000	-	-	-	-	-	-	-	-	63.404	-	-	-	-	-	63.404
P-3a - 1 / TD009 SMMTT PH3 MODIFICATIONS	P-3a		-	-	0.000	-	-	-	-	-	-	-	-	8.787	-	-	-	-	-	8.787
Total Gross/Weapon System Cost			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**84.080**	**-**	**-**	**-**	**-**	**-**	**84.080**

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 Training Device Mods	P-40a		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Item - 1 / TS004 Surface Training Device Mods [TS004]	P-5		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
P-3a - 1 / TD009 SMMTT PH3 MODIFICATIONS	P-3a		-	-	11.805	-	-	11.983	-	-	12.182	-	-	12.407	Continuing			Continuing		
Total Gross/Weapon System Cost			**-**	**-**	**67.341**	**-**	**-**	**57.036**	**-**	**-**	**45.703**	**-**	**-**	**62.497**	**Continuing**			**Continuing**		

*For Items, Title represents the Item Number / Title [DODIC]. For P-40as, Title represents the P40a Title. For the P-3a, Title represents the Modification Number / Title.

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

Justification:
Note: The items contained within this budget line item are not new starts, but are programs transitioning from other budget line items.

Exhibit P-40, Budget Line Item Justification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N: Other Procurement, Navy / BA 04: Ordnance Support Equipment / BSA 7: Other Expendable Ordnance	P-1 Line Item Number / Title: 5662 / Training Device Mods	
ID Code (A=Service Ready, B=Not Service Ready) : A	Program Elements for Code B Items:	Other Related Program Elements:

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Aggregated Items Title:** Submarine Training Device Mods

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) TD002: SUBMARINE TRAINING DEVICE MODS																				
1.1) SUBMARINE TRAINING DEVICE MODS	A		-	-	-	-	-	-	-	-	-	-	-	1.121	-	-	-	-	-	1.121
1.2) SCOT MODS	A		-	-	-	-	-	-	-	-	-	-	-	1.126	-	-	-	-	-	1.126
Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS			-	-	*0.000*	-	-	-	-	-	-	-	-	*2.247*	-	-	-	-	-	*2.247*
2) TD006: SUB COAET																				
2.1) MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	1,043K	4	4.172	-	-	-	1,043K	4	4.172
Subtotal: 2) TD006: SUB COAET			-	-	*0.000*	-	-	-	-	-	-	-	-	*4.172*	-	-	-	-	-	*4.172*
3) TD009: SMMTT PH3 (1)																				
3.1) EPM - SMMTT SSN	A		-	-	-	-	-	-	-	-	-	2,074K	1	2.074	-	-	-	2,074K	1	2.074
3.2) TECH SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	3.396	-	-	-	-	-	3.396
3.3) MODS VA CLASS SMMTT EPM	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) SSBN SMMTT STRATEGIC FORCES	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) MODS OBTT SMMTT	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) TD009: SMMTT PH3			-	-	*0.000*	-	-	-	-	-	-	-	-	*5.470*	-	-	-	-	-	*5.470*
4) TD015: SNADIS																				
4.1) MODIFICATIONS	A		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) TD015: SNADIS			-	-	*0.000*	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**11.889**	**-**	**-**	**-**	**-**	**-**	**11.889**

Exhibit P-40a, Budget Item Justification For Aggregated Items: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Aggregated Items Title:** Submarine Training Device Mods

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) TD002: SUBMARINE TRAINING DEVICE MODS																				
1.1) SUBMARINE TRAINING DEVICE MODS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.2) SCOT MODS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 1) TD002: SUBMARINE TRAINING DEVICE MODS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2) TD006: SUB COAET																				
2.1) MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 2) TD006: SUB COAET			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3) TD009: SMMTT PH3 (1)																				
3.1) EPM - SMMTT SSN	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.2) TECH SUPPORT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.3) MODS VA CLASS SMMTT EPM	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.4) SSBN SMMTT STRATEGIC FORCES	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3.5) MODS OBTT SMMTT	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 3) TD009: SMMTT PH3			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4) TD015: SNADIS																				
4.1) MODIFICATIONS	A		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: 4) TD015: SNADIS			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(1) Beginning in FY12, the TD009 cost code VA CLASS SMMTT kit procurements are merged with the SMMTT kit upgrades resulting in an increase in unit cost.

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5662 / Training Device Mods	Item Number / Title [DODIC]: 1 / TS004 Surface Training Device Mods [TS004]

Resource Summary	Prior Years	FY 2013	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	-	-	63.404	-	63.404	-	-	-	-	-	-
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	63.404	-	63.404	-	-	-	-	-	-
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**63.404**	**-**	**63.404**	**-**	**-**	**-**	**-**	**-**	**-**
(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.

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 - Trainers Cost Cost																			
Recurring Cost																			
1.1.1) SURFACE MINOR MODS [2]		-	-	0.000	-	-	-	-	-	-	-	-	13.638	-	-	-	-	-	13.638
1.1.2) FFT/SLEP/ MODULAR TRAINER [3]		-	-	0.000	-	-	-	-	-	-	-	-	3.200	-	-	-	-	-	3.200
1.1.3) FCA TRAINERS [4]		-	-	0.000	-	-	-	-	-	-	-	-	0.966	-	-	-	-	-	0.966
1.1.4) NSST Training Support [5]		-	-	0.000	-	-	-	-	-	-	-	-	0.600	-	-	-	-	-	0.600
1.1.5) AEGIS Ashore Trainer/C4I/5.0CU/ Tech Refresh [6]		-	-	0.000	-	-	-	-	-	-	-	-	2.800	-	-	-	-	-	2.800
1.1.6) Combined IAMD/ASW Trainer (CIAT) [7]		-	-	0.000	-	-	-	-	-	-	-	-	12.900	-	-	-	-	-	12.900
1.1.7) Navy Training System Plan (NTSP TTE/TD Mods) [8]		-	-	0.000	-	-	-	-	-	-	-	-	23.300	-	-	-	-	-	23.300
1.1.8) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer [9]		-	-	0.000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5662 / Training Device Mods	Item Number / Title [DODIC]: 1 / TS004 Surface Training Device Mods [TS004]

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)
1.1.9) CSCS Modernization/AEGIS Capability Build (ACB) Training Systems [10]		-	-	0.000	-	-	-	-	-	-	-	-	6.000	-	-	-	-	-	6.000
Subtotal: Recurring Cost		-	-	*0.000*	-	-	-	-	-	-	-	-	*63.404*	-	-	-	-	-	*63.404*
Subtotal: Hardware - Trainers Cost Cost		-	-	*0.000*	-	-	-	-	-	-	-	-	*63.404*	-	-	-	-	-	*63.404*
Gross/Weapon System Cost		**-**	**-**	**0.000**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**63.404**	**-**	**-**	**-**	**-**	**-**	**63.404**

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 - Trainers Cost Cost																			
Recurring Cost																			
1.1.1) SURFACE MINOR MODS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.2) FFT/SLEP/ MODULAR TRAINER		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.3) FCA TRAINERS		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.4) NSST Training Support		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.5) AEGIS Ashore Trainer/C4I/5.0CU/ Tech Refresh		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.6) Combined IAMD/ASW Trainer (CIAT)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.7) Navy Training System Plan (NTSP TTE/TD Mods)		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.8) Navy Integrated Fire Control-Counter Air (NIFC-CA) Trainer		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1.1.9) CSCS Modernization/AEGIS Capability Build (ACB) Training Systems		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Recurring Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Subtotal: Hardware - Trainers Cost Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Exhibit P-5, Cost Analysis: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	P-1 Line Item Number / Title: 5662 / Training Device Mods	Item Number / Title [DODIC]: 1 / TS004 Surface Training Device Mods [TS004]

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)
Gross/Weapon System Cost		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Footnotes:

(2) SURFACE MINOR MODS - Modifications are required to meet safety standards, keep training systems compatible with equivalent changes made to fleet operational equipment, and to enhance training capabilities. These modifications support the 300+ fielded Surface training systems.

(3) FFT/SLEP/MODULAR TRAINER-Funds are provided for the Service Life Extension Program (SLEP) Firefighter Trainer (FFT).

(4) FCA TRAINERS - Funds are provided for upgrades to shore based trainers (Combat System, HM&E) in Fleet Concentration Areas.

(5) NAVIGATION TRAINING SUPPORT - Funds are provided for modifications/upgrades to Navigation Shore Based Trainers

(6) AEGIS ASHORE TRAINER/C4I/5.0CU/Tech Refresh -Funds development, delivery, installation and life-cycle maintenance support of a high fidelity Aegis Ashore Team Trainer in support of the land-based Aegis Ashore Training Continuum. Funds also provide for the integration of a C4I component, 5.0 Capability Upgrade (CU) and tech refresh.

(7) COMBINED IAMD/ASW TRAINER (CIAT) -Funds are provided to procure and install hardware for a Shore Based IAMD and ASW Trainer.

(8) NAVY TRAINING SYSTEM PLAN (NTSP TTE/TD MODS) - Funds are provided for the procurement and installation of training equipment and associated logistic support package as outlined in the NTSPs.

(9) NIFC-CA Trainer - Funds are for the procurment and integration of models to allow for NIFC-CA and Engage on Remote training at ATRC Labs.

(10) CSCS Modernization/AEGIS Capability Build (ACB) Training Systems - Funds are provided for upgrades to current CSCS and ATRC training systems to eliminate reliance on outdated and maintenance-intensive technical training equipment. Procure and install equipment which will allow for training on Aegis ACB 16 and install simulation/stimulation to be used in training systems for ATRC and CSCS Aegis curriculum.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 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 *(Units in Each)*	-	-	-	-	-	-	-	-	-	-	-	-
Gross/Weapon System Cost *($ in Millions)*	0.000	-	-	8.787	-	8.787	11.805	11.983	12.182	12.407	Continuing	Continuing
Less PY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Net Procurement (P1) *($ in Millions)*	0.000	-	-	8.787	-	8.787	11.805	11.983	12.182	12.407	Continuing	Continuing
Plus CY Advance Procurement *($ in Millions)*	-	-	-	-	-	-	-	-	-	-	-	-
Total Obligation Authority *($ in Millions)*	**0.000**	**-**	**-**	**8.787**	**-**	**8.787**	**11.805**	**11.983**	**12.182**	**12.407**	**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:
SMMTT upgrades to hardware and simulation to match current Fleet configurations.

[SMMTT PH3 MODS] SMMTT upgrades to hardware and simulation to match current Fleet configurations.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS
Models of Systems Affected: SMMTT PH3 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: TD009 SMMTT PH3 MODIFICATIONS												
B Kits												
Recurring												
1.1.1) SMMTT PH3 MODS - NonOrganic (11)	- / -	4 / -	4 / -	3 / 8.028	- / -	3 / 8.028	4 / 11.052	4 / 11.204	4 / 11.405	4 / 11.611	Continuing	Continuing
Subtotal: Recurring	*- / 0.000*	*- / -*	*- / -*	*- / 8.028*	*- / -*	*- / 8.028*	*- / 11.052*	*- / 11.204*	*- / 11.405*	*- / 11.611*	*Continuing*	*Continuing*
Subtotal: TD009 SMMTT PH3 MODIFICATIONS	*- / -*	*4 / -*	*4 / -*	*3 / 8.028*	*- / -*	*3 / 8.028*	*4 / 11.052*	*4 / 11.204*	*4 / 11.405*	*4 / 11.611*	*Continuing*	*Continuing*
Subtotal: Procurement, All Modification Items	*- / 0.000*	*- / -*	*- / -*	*- / 8.028*	*- / -*	*- / 8.028*	*- / 11.052*	*- / 11.204*	*- / 11.405*	*- / 11.611*	*Continuing*	*Continuing*
Installation												
Modification Item 1 of 1: TD009 SMMTT PH3 MODIFICATIONS	- / 0.000	- / -	- / -	- / 0.759	- / -	- / 0.759	- / 0.753	- / 0.779	- / 0.777	- / 0.796	Continuing	Continuing
Subtotal: Installation	*- / 0.000*	*- / -*	*- / -*	*- / 0.759*	*- / -*	*- / 0.759*	*- / 0.753*	*- / 0.779*	*- / 0.777*	*- / 0.796*	*Continuing*	*Continuing*
Total												
Total Cost (Procurement + Support + Installation)	**0.000**	**-**	**-**	**8.787**	**-**	**8.787**	**11.805**	**11.983**	**12.182**	**12.407**	**Continuing**	**Continuing**

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS

Modification Item 1 of 1: TD009 SMMTT PH3 MODIFICATIONS

Modification Item MDAP/MAIS Code:

Manufacturer Information

Manufacturer Name: NSWC CD/NUWC NPT (12)	Manufacturer Location: >BETHESDA, MD/ NEWPORT, RI
Administrative Leadtime *(in Months)*: 6	Production Leadtime *(in Months)*: 17

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

Installation Information

Method of Implementation: AIT : Installation Name: SMMTT PH3 MODS

Installation Cost	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	To Complete	Total
	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(Each)* / Total Cost *($ M)*	Qty *(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 / 0.378	- / -	2 / 0.378	- / -	- / -	- / -	- / -	- / -	2 / 0.378
FY 2014	- / -	- / -	- / -	2 / 0.381	- / -	2 / 0.381	2 / 0.383	- / -	- / -	- / -	- / -	4 / 0.764
FY 2015	- / -	- / -	- / -	- / -	- / -	- / -	1 / 0.370	2 / 0.389	- / -	- / -	- / -	3 / 0.759
FY 2016	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.390	2 / 0.387	- / -	- / -	4 / 0.777
FY 2017	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.390	2 / 0.396	- / -	4 / 0.786
FY 2018	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	2 / 0.400	Continuing	Continuing
FY 2019	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	Continuing	Continuing
To Complete	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -	- / -
Total	- / -	- / -	- / -	4 / 0.759	- / -	4 / 0.759	3 / 0.753	4 / 0.779	4 / 0.777	4 / 0.796	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	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	1	2	-	-	2	2	-	-	2	2	-	-	2	2	6	25
Out	-	-	-	-	-	-	-	-	-	-	-	2	2	-	-	1	2	-	-	2	2	-	-	2	2	-	-	2	2	6	25

Footnotes:

(11) Production lead time increased from an average of 11 months to 17 months due to an increase in Tactical TI/APB scheduled deliveries to the fleet and Engineering Production Model. In FY16, the installation cost for 1 kit increases due to equipment installation in the training facility in GUAM. This will require a ripout of existing equipment and modifications to the HVAC (Heating/Ventilation/Air Conditioning) to accomodate the SMMTT install. In addition, an increase in shipping cost to GUAM will occur.

Exhibit P-3a, Individual Modification: PB 2015 Navy		Date: March 2014
Appropriation / Budget Activity / Budget Sub Activity: 1810N / 04 / 7	**P-1 Line Item Number / Title:** 5662 / Training Device Mods	**Modification Number / Title:** 1 / TD009 SMMTT PH3 MODIFICATIONS

(12) NSWC CD & NUWC NPT are collaborating warfare centers that manage and execute the SMMTT as directed by NAVSEA. Both warfare centers function as a prime for this effort. However, for cost efficiency purposes, they compete their cognizant tasks among multiple vendors with multiple orders to provide equipment/software in a timely manner to meet the fleet required training dates. As such, the SMMTT delivery is not linked to any single contract date.