DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2008/2009
BUDGET ESTIMATES

JUSTIFICATION OF ESTIMATES
FEBRUARY 2007

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 1

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, and the purchase of 10 vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed $255,000 per vehicle; expansion of public and private plants, including the land necessary therefor, 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, $4,927,676,000, to remain available for obligation until September 30, 2009.

"In accordance with the President's Management Agenda, Budget and Performance Integration initiative, this program has been assessed using the Program Assessment Rating Tool (PART). Remarks regarding program performance and plans for performance improvement can be located at the Expectmore.gov website."

DEPARTMENT OF THE NAVY
FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: 19 JAN 2007

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	SEC
			MILLIONS OF DOLLARS						
BUDGET ACTIVITY 01: SHIPS SUPPORT EQUIPMENT									
	SHIP PROPULSION EQUIPMENT								
1	LM-2500 GAS TURBINE	A		6.8		7.4		6.7	U
2	ALLISON 501K GAS TURBINE	A		23.8		16.1		9.5	U
	NAVIGATION EQUIPMENT								
3	OTHER NAVIGATION EQUIPMENT	A		24.7		31.9		29.5	U
	UNDERWAY REPLENISHMENT EQUIPMENT								
4	UNDERWAY REPLENISHMENT EQUIPMENT	A		.9		.9			U
	PERISCOPES								
5	SUB PERISCOPES & IMAGING EQUIP	A		64.6		64.5		69.8	U
	OTHER SHIPBOARD EQUIPMENT								
6	DDG MOD	A		3.0		32.1		50.0	U
7	FIREFIGHTING EQUIPMENT	A		31.3		17.8		9.1	U
8	COMMAND AND CONTROL SWITCHBOARD	A		2.8		2.7		2.2	U
9	POLLUTION CONTROL EQUIPMENT	B		32.4		27.8		25.2	U
10	SUBMARINE SUPPORT EQUIPMENT	A		16.7		26.1		31.2	U
11	VIRGINIA CLASS SUPPORT EQUIPMENT	A		144.4		155.9		146.8	U
12	SUBMARINE BATTERIES	A		26.2		21.7		40.8	U
13	STRATEGIC PLATFORM SUPPORT EQUIP	A		14.6		26.1		10.1	U
14	DSSP EQUIPMENT	A		12.5		4.7		6.2	U
15	CG MODERNIZATION	A		125.5		232.7		267.8	U
16	LCAC	A		19.7		.4		.1	U

DEPARTMENT OF THE NAVY
FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: 19 JAN 2007

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	SEC
			MILLIONS OF DOLLARS						
17	MINESWEEPING EQUIPMENT	A		12.2		13.9		14.1	U
18	ITEMS LESS THAN $5 MILLION	A		158.9		165.3		186.0	U
19	CHEMICAL WARFARE DETECTORS	A		2.2		3.1		4.0	U
20	SUBMARINE LIFE SUPPORT SYSTEM	A		14.5		14.7		16.1	U
	REACTOR PLANT EQUIPMENT								
21	REACTOR POWER UNITS	A		373.9		126.5		391.6	U
22	REACTOR COMPONENTS	A		199.6		227.2		234.2	U
	OCEAN ENGINEERING								
23	DIVING AND SALVAGE EQUIPMENT	A		6.8		6.3		6.8	U
	SMALL BOATS								
24	STANDARD BOATS	A		85.1		49.4		30.2	U
	TRAINING EQUIPMENT								
25	OTHER SHIPS TRAINING EQUIPMENT	A		3.1		3.9		9.2	U
	PRODUCTION FACILITIES EQUIPMENT								
26	OPERATING FORCES IPE	A		26.9		47.6		50.3	U
	OTHER SHIP SUPPORT								
27	NUCLEAR ALTERATIONS	A		148.5		109.1		70.1	U
28	LCS MODULES	A		36.3		78.7		80.3	U
	DRUG INTERDICTION SUPPORT								
29	DRUG INTERDICTION SUPPORT	A		3.3					U
	TOTAL SHIPS SUPPORT EQUIPMENT			1,621.2		1,514.5		1,798.1	

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE LM-2500 GAS TURBINE **SUBHEAD NO. 81GA BLIN: 0110**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	60.7			6.8	7.4	6.7	8.0	8.2	8.5	8.7	8.8	0.0	123.8
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

The LM2500 Marine Gas Turbine and its associated Engineering Control Systems provide main propulsion for the Navy's surface combatants including the FFG 7 OLIVER HAZARD PERRY Class, CG 47 TICONDEROGA Class, and DDG 51 ARLEIGH BURKE Class. The LM2500 is composed of two major subassemblies: the gas generator and power turbine sections. It is coupled to the ship drive-train by a high speed coupling shaft. The control system provides for both local and remote engine operations. The budget funds the following:

GA009 - MODIFICATION KIT PROGRAM

a. A metrics program has been established for the LM 2500 engine to track service history for individual engine components and compile data regarding failure rates. The data is compiled for various ship classes and engine configurations. This metrics program clearly identifies where engineering efforts should be focused to improve component reliability and also indicates which modification kits should be procured. The modifications kits can either be installed at the depot level during engine overhauls or at the intermediate level aboard ship via IMA support teams. Following modification kit installations, engine reliability is tracked to measure the effectiveness of these kit installations. Return on investment calculations are employed to quantify program savings. The modification kits hold down the cost to overhaul the engine at the depot level as well as reduce programmatic life cycle costs.

b. Failure to procure modification kits will prevent improvement to mean time between removal (MTBR) and will significantly increase life cycle costs including increasing the requirement for additional spare engine assets, increasing the cost to overhaul engines at the depot and negatively impacting the reliability of engines and fleet readiness. It should be noted that although some gas turbine ships are decommissioning, the total engine population in the fleet remains stable and is being offset by an aggressive DDG 51 construction program, and the addition of the LCS program.

GA010 - GAS GENERATOR IN CONTAINER

a. The attainment of LM2500 spare single shank gas generator inventory level of 26 is considered the program's minimum requirement based upon the current total population of

348 engines along with the requirement to forward deploy some inventory assets to support the fleet overseas. This inventory level is based upon 25 years of experience with the LM2500 Engine and ensures 90% probability for spare asset availability. 19 complete gas generator units have been procured through FY 2006. One complete gas generator unit will be procured each year, FY 2007 to 2013 (seven units).

GA012 - CONTROL SYSTEM MODIFICATIONS

a. The engine control system consists of sensors, data acquisition units, processors and operator consoles. Peripheral devices include bell and data loggers, printers, tape readers, mass storage devices and tape recorders. These end items are comprised of printer circuit boards, meters, CRT's, switches and power supplies. Inventory objectives not required. Unit costs vary per modification kit. Obsolescence is increasingly being an item that needs to be managed.

GA014 - SPECIAL SUPPORT EQUIPMENT, SSE

a. Procurement of Special Support Equipment allows for increased depot repair capability, thereby stabilizing or reducing the cost to overhaul engines at the depot. This tooling is generally associated with depot modifications being made to the engine to increase engine reliability. This increased capability reduces engine overhaul costs.

GA015 - DIGITAL FUEL CONTROL (DFC)

a. Three shipsets were procured in FY-06. Funding will procure four DDG-51/CG-47 shipsets in FY-07 to replace existing on engine fuel controls with off engine digital fuel controls . This addresses an obsolescence, maintainability, and reliability issue. Three shipsets will be procured in FY 2008. Four shipsets will be procured in FY 2009 thru FY 2013.

GA830 - PRODUCTION ENGINEERING

a. The review and approval of any production contract technical documentation, or the separate development of this documentation to include Technical Manuals, Signal Flow Diagrams, PMS, Level III production drawings, provisioning technical documentation (PTD), program support data (PSD), allowance parts lists (APL's) and engineering in support of final design reviews.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **LM-2500 GAS TURBINE** **SUBHEAD NO. 81GA**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
GA009	MODIFICATION PROGRAM	A	23,710	0	0.0	258	0	0.0	73	0	0.0	51	0	0.0	75
GA010	GAS GENERATOR	A	18,142	1	3,198.0	3,198	1	3,202.0	3,202	1	3,299.0	3,299	1	3,390.0	3,390
GA012	ENGINEERING SYSTEM MOD	A	11,655	0	0.0	170	0	0.0	100	0	0.0	330	0	0.0	427
GA014	SPEICAL SUPPORT EQUIPMENT	A	1,247	0	0.0	156	0	0.0	100	0	0.0	50	0	0.0	75
GA015	LM2500 GAS TURBINE DIGITAL FUEL CONTROL	A	3,030	3	950.0	2,850	4	960.0	3,840	3	970.0	2,910	4	990.0	3,960
GA830	PRODUCTION ENGINEERING	A	3,052	0	0.0	170	0	0.0	96	0	0.0	50	0	0.0	76
	TOTAL EQUIPMENT		**60,836**			**6,802**			**7411**			**6,690**			**8,003**
TOTAL			**60,836**			**6,802**			**7411**			**6,690**			**8,003**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					**DATE February 2007**
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE LM-2500 GAS TURBINE BLIN: 0110**					**SUBHEAD 81GA**
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
GA010										
GAS GENERATOR	1	3,198.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-06	JAN-07	YES	
GA015 LM2500 GAS TURBINE										
DIGITAL FUEL CONTROL	3	950.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-06	JAN-07	YES	
FY 2007										
GA010										
GAS GENERATOR	1	3,202.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-07	JAN-08	YES	
GA015 LM2500 GAS TURBINE										
DIGITAL FUEL CONTROL	4	960.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-07	JAN-08	YES	
FY 2008										
GA010										
GAS GENERATOR	1	3,299.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-08	JAN-09	YES	
GA015 LM2500 GAS TURBINE										
DIGITAL FUEL CONTROL	3	970.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-08	JAN-09	YES	
FY 2009										
GA010										
GAS GENERATOR	1	3,390.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-09	JAN-10	YES	
GA015 LM2500 GAS TURBINE										
DIGITAL FUEL CONTROL	4	990.0	NSWC PHILA, PA		WX	GE CINCINNATI, OHIO	MAR-09	JAN-10	YES	

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE ALLISON 501K GAS TURBINE **SUBHEAD NO. 81GF BLIN: 0120**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	95.1			23.8	16.1	9.5	9.4	11.9	8.8	10.0	9.2	0.0	193.8
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:
ALLISON 501-K GAS TURBINE (81GF) (0120)

The 501-K Series Gas Turbines are used to drive electrical generators in Ship Service Gas Turbine Generators (SSGTG). The 501-K17 is used on the CG-47 Class ships. The 501-K34 is an upgraded version used on the DDG-51 Class ships and is not interchangeable with the 501-K17.

GF001 - 501-K34 STOCK ROTATING SPARES
The Stock Rotating Spares Program provides an engine as a single assembly for the replacement of an engine requiring depot repair. The current 501-K17 engine is being replaced by the upgraded (more powerful) 501-K34 engine commencing with the DDG-51 Class. The 501-K34 upgraded engine can only be replaced with another 501-K34 upgraded engine. The 501-K34 inventory objective is 22 units. 21 units have been procured through FY 2006, and 1 unit is included in the budget for FY-2007. In addition, the RRC-250-KS4 gas turbine engine has been introduced into the DDG-51 Class Destroyers, as part of the starting system for the 501-K34, commencing with DDG-78. A spare pool of 10 KS4 engines is required to ensure adequate sparing. Eight units have been procured through FY06. The remaining 2 engines will be procured in FY 2007.

GF007 - MODIFICATION PROGRAM
Allison 501-K Gas Turbines are identified as the number one fleet issue by the Top Management Attention/Top Management Issues (TMA/TMI) Program, the Combatant Technical Issues Conference (CTIC), and the DDG-51 Top Tech Issue Program. Procurement of improved hardware for installation in the 501-K gas turbine is essential to increase engine reliability, Mean Time Between Removal (MTBR) and maintainability. Analysis of 501-K engineering performance data, TMA/TMI, Metrics, the DDG-51 Top Tech Issues, CTIC and the component improvement program has identified necessary improvements to correct 501-K deficiencies. The modifications will reduce failure rates of system components, improving 501-K and SSGTG readiness and address the Fleet's top maintenance and reliability issues. The additional requirement in FY 2006 and out will be used to resolve additional issues identified by the TMA/TMI, Metrics and the DDG-51 Top Tech Issues Programs. The specific additional issues addressed are Fuel Nozzles and Engine Controls.

GF009 - SPECIAL SUPPORT EQUIPMENT (SSE)

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE ALLISON 501K GAS TURBINE **SUBHEAD NO. 81GF BLIN: 0120**	

Procurement of Gas Turbine SSE is required to provide increased Ship Intermediate Maintenance Activity (SIMA) and depot repair capability to support the CG-47 and DDG-51 class ships. SIMA capability is enhanced by providing them SSE necessary to reduce engine change-outs and required to incorporate new modifications that will eliminate deficiencies identified through the TMA/TMI, Metrics and the DDG-51 Top Tech Issues Programs and enhance MTBR, reliability and maintainability. Procured SSE supports the depot by increasing repair capability and allowing installation of new modifications that will eliminate deficiencies identified through the TMA/TMI, Metrics and the DDG-51 top Tech Issues Programs and enhance MTBR, reliability and maintainability.

GF015 - FULL AUTHORITY DIGITAL CONTROL (FADC)

Funding will be used to procure and install the replacement for the Local Operating Panel with the FADC, which will upgrade reliability and maintainability of the control system. These will be installed on both the DDG-51 and CG-47 class ships. Three FADC's are required on each ship. Procurements will complete in FY-08.

GF830 - PRODUCTION ENGINEERING

The review and approval of any production contract technical documentation or the separate development of this documentation to include: Technical manuals, signal flow diagrams, PMS, production drawings, Provisioning Technical Documentation (PTD), and Allowance Parts Lists (APLs) and engineering in support of final design reviews.

GF016 - ELECTRIC STARTER

Gas Turbines today are started with pneumatic (air) starters. These are maintenance intensive and complex. In FY-06, we will start to backfit the fleet with electric starters.

GF017 - OPTICAL FLASH DECTECTOR

Optical Flash Dectector (GF017)

This sensor will sense and record if the engine has a irregular start and therefore will notify the operator that maintenance is required. By utilizing this new technology, we will make adjustments to the engine, increasing its life.

GF018 -HOT SECTION REPLACEMENT

Hot Section Replacement (GF018)

The current hot section (blades,and blade track) will benefit greatly by utilizing different coatings and a metal, vs ceramic blade track. We have evaluated several types, and will begin to procure the best replacement in FY-07.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **ALLISON 501K GAS TURBINE** **SUBHEAD NO. 81GF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
GF001	501-K34		14,567	1	1,136.0	1,136	1	1,350.0	1,350	0	0.0	0	0	0.0	0
GF001	250-KS4		865	2	200.0	400	2	260.0	520	0	0.0	0	0	0.0	0
GF007	MODIFICATION PROGRAM		62,508	0	0.0	8,961	0	0.0	6,411	0	0.0	3,483	0	0.0	6,407
GF009	SPECIAL SUPPORT EQUIPMENT (SSE)		3,306	0	0.0	260	0	0.0	265	0	0.0	265	0	0.0	270
GF015	FULL AUTHORITY DIGITAL CONTROL		12,300	27	367.7	9,928	15	390.0	5,850	10	400.0	4,000	0	0.0	0
GF016	ELECTRIC STARTER		0	2	275.0	550	2	280.0	560	2	285.0	570	2	290.0	580
GF017	OPTICAL FLASH DETECTION SYS		0	0	0.0	2,400	0	0.0	0	0	0.0	0	0	0.0	0
GF018	501K-34 HOT SECTION REPLACEMENT 0204228N		0	0	0.0	0	5	200.0	1,000	5	200.0	1,000	10	200.0	2,000
GF830	PRODUCTION ENGINEERING		1,636	0	0.0	140	0	0.0	161	0	0.0	150	0	0.0	185
	TOTAL EQUIPMENT		**95,182**			**23,775**			**16,117**			**9,468**			**9,442**
TOTAL			**95,182**			**23,775**			**16,117**			**9,468**			**9,442**

CLASSIFICATION:	UNCLASSIFIED										
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ALLISON 501K GAS TURBINE BLIN: 0120					SUBHEAD 81GF	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE	
FY 2006											
GF001											
501-K34	1	1,136.0	NSWC, PHILA		WX/OPT	ROLLS ROYCE ALLISON	MAR-06	SEP-06	YES		
250-KS4	2	200.0	NSWC, PHILA		WX/OPT	ROLLS ROYCE ALLISON	MAR-06	SEP-06	YES		
GF015											
FULL AUTHORITY DIGITAL CONTROL	27	367.7	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-06	SEP-06	YES		
GF016											
ELECTRIC STARTER	2	275.0	NSWC, PHILA		WX	HAMILTON SUNSTRAND	MAR-06	SEP-06	YES		
FY 2007											
GF001											
501-K34	1	1,350.0	NSWC, PHILA		WX/OPT	ROLLS ROYCE ALLISON	MAR-07	SEP-07	YES		
250-KS4	2	260.0	NSWC, PHILA		WX/OPT	ROLLS ROYCE ALLISON	MAR-07	SEP-07	YES		
GF015											
FULL AUTHORITY DIGITAL CONTROL	15	390.0	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-07	SEP-07	YES		
GF016											
ELECTRIC STARTER	2	280.0	NSWC, PHILA		WX	HAMILTON SUNSTRAND	MAR-07	SEP-07	YES		
GF018 501K-34 HOT SECTION REPLACEMENT											
0204228N	5	200.0	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-07	SEP-07	YES		
FY 2008											
GF015											
FULL AUTHORITY DIGITAL CONTROL	10	400.0	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-08	SEP-08	YES		
GF016											
ELECTRIC STARTER	2	285.0	NSWC, PHILA		WX	HAMILTON SUNSTRAND	MAR-08	SEP-08	YES		
GF018 501K-34 HOT SECTION REPLACEMENT											
0204228N	5	200.0	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-08	SEP-08	YES		
FY 2009											

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE ALLISON 501K GAS TURBINE BLIN: 0120**				**SUBHEAD 81GF**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
GF016										
ELECTRIC STARTER	2	290.0	NSWC, PHILA		WX	HAMILTON SUNSTRAND	MAR-09	SEP-09		
GF018 501K-34 HOT SECTION REPLACEMENT										
0204228N	10	200.0	NSWC, PHILA		WX	ROLLS ROYCE ALLISON	MAR-09	SEP-09		

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE OTHER NAVIGATION EQUIPMENT **SUBHEAD NO. A1GW BLIN: 0670**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	31.0			24.7	31.9	29.5	47.4	35.1	27.8	22.8	22.9	0.0	273.1
SPARES COST (In Millions)	0.0			0.7	0.7	0.0	0.0	0.3	0.1	0.0	0.0	0.0	1.8

PROGRAM DESCRIPTION/JUSTIFICATION:

This program provides procurement and improvements of navigation equipment such as gyrocompasses, inertial navigators, speed sensors, radars, Electronic Chart Display and Information System - Navy (ECDIS-N) and major components for other navigation systems. ECDIS-N provides Fleet-wide electronic charting capability, increases navigation and situational awareness, improves safety at sea, and eliminates reliance on paper charts.

GW006: MAJOR COMPONENTS:

These funds are required for the procurement of major components such as Inertial Measuring Units (IMUs), gyroscopes, accelerometers, and depot test equipment. These components are essential to the operation and performance of AN/WSN-2/5 inertial navigation systems. Procurements associated with these components ensure the operational availability and performance of the navigation systems to support ship and combat system mission requirements. Units procured support the pipeline requirements of AN/WSN-2/5 inertial navigation systems given the Fleet population and usage rates. Procurements of components for AN/WSN-2/5 will continue during transition to AN/WSN-7 Ring Laser Gyro Navigator and AN/WSN-7B Ring Laser Gyrocompass. Depot test equipment funds support checkout and testing of these major components in a system configuration to verify performance prior to being dubbed "ready for issue".

GW013: CONVENTIONAL NAVIGATION FIELD CHANGE KITS:

These funds are required to procure Navigation Field Change Kits for reliability and maintainability improvements and corrections for various conventional navigation equipment including the Dead Reckoning Equipment (DRE), Computer Aided Dead Reckoning Tracer (CADRT), plotters, gyro compasses, Electromagnetic Log (EM Log), Doppler Sonar Velocity Log (DSVL), Digital Flux Gate Magnetic Compass, and Synchro Signal Amplifier. These improvements are required to keep Fleet-installed equipment operating to a basic level.

GW029: INERTIAL NAVIGATION SYSTEMS FIELD CHANGE KITS:

These funds are required in order to support procurement and implementation of Engineering Change Proposals (ECPs)/ Field Change (FC) Kits, alterations and update of associated technical documentation which provide reliability and maintainability improvements, corrections and upgrades for various Inertial Navigation Systems- (INS),

(AN/WSN-7/7A/7B), the associated IP-1747 (Control Display Unit-CDU), and IP-1747 (Enhanced Control Display Unit-ECDU) and Aircraft Inertial Alignment System Equipment (AIAS) and (CVNS-AN/SRC-40, OU-174, TS-3543A). Funds also support procurement of hardware and software changes to the navigation suite required to integrate with Ring Laser Gyro Navigator (AN/WSN-7/7A), and Ring Laser Gyrocompass (AN/WSN-7B) and Test & Integration. Funds will support technology refresh to replace parts obsolescence and keep pace with technology. Funds required to perform navigation certification required as prerequisite to TOMAHAWK certification.

- Field Change #1 to the AN/WSN-7/7A provides product improvement changes and additions to the basic system equipment to correct problems and provide enhancements to ship specific missions.
- Field Change #2 to the AN/WSN-7 provides interface between WSN-7 and BFTT product improvement changes and additions to the basic system equipment to correct problems and provide enhancements to ship specific missions.
- Field Change #3 to the AN/WSN-7 provides hardware and software updates.
- Field Change #4 to the AN/WSN-7 provides firmware changes to correct interfaces with CEC and C&D and provides short-term accuracy improvements for AEGIS and BDMS. Field Change #4 to the AN/WSN-7A provides Enhanced Control Display Unit (ECDU) hardware and software to correct Integral of Velocity rollover problem and provide an interface to the AN/BYG-1 CCS.
- Field Change #5 to the AN/WSN-7/7A provides firmware changes to add capability for intertial damping and for indexing control to improve navigation accuracy for combat systems. Also provides functionality to support AN/BYG-1 CCS.
- AIAS product improvements to AN/SRC-40, OU-174, TS-3543A due to obsolescence.
- Other AN/WSN-7 operational improvements include NAVSSI integration, Lever Arm definition, vertical deflection compensation, ATM implementation, Tactical Integrated Distribution System (TIDS) integration, and WSN-7A BYG-1 CCS Field Change Kits.

GW032: DOPPLER SONAR VELOCITY LOG:
These funds are required to procure Doppler Sonar Velocity Log (DSVL) systems for backfit on submarine and surface platforms. DSVL will replace the legacy Underwater Log System used to determine speed through the water and will provide a higher accuracy of ships speed.

GW035: NAVIGATION SYSTEM PROCUREMENT - (AN/WSN-7/7A):
These funds are required to support the acquisition, implementation and certification of the AN/WSN-7/7A Ring Laser Gyro Navigator (RLGN), including hardware required for SSN ERO Restoration Modernization. System peripherals include: CDUs, ECDUs, Sync Amps, BIT Cables, Readiness Based Spares, and Installation kits.

GW036: NAVIGATION SYSTEM PROCUREMENT - (AN/WSN-7B):
These funds are required to support the acquisition, implementation and certification of the AN/WSN-7B Ring Laser Gyrocompass (RLG), including hardware required for SSN ERO Restoration Modernization. System peripherals include: CDUs, ECDUs, Sync Amps, BIT Cables and Installation kits. MCM ships require quantity (2) AN/WSN-7B per ship.

GW038: BPS ECDIS-N/VMS FC KITS:
These funds are required to provide BPS - Voyage Management System (VMS) Field Changes to provide ECDIS-N capability and to support obsolescence replacement. FY08-09 funding

realigned to FY07 to accelerate ECDIS-N implementation.

GW039: BPS ECDIS-N/VMS SOFTWARE UPGRADES:
These funds are required for software upgrades to support the BPS-15/16 VMS systems on submarines to full ECDIS-N capability.

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

GW051: SCALABLE ECDIS-N ECP/FIELD CHANGE KITS:
These funds are required for the procurement and installation of ECDIS-N ECP/Field Change Kits to support obsolescence replacement and for engineering services associated with interfacing systems on multiple platforms.

GW052: ENHANCED INERTIAL NAVIGATION PERFORMANCE PROGRAM:
These funds are required for the procurement of field change kits to enhance inertial navigation system performance.

GW830: PRODUCTION ENGINEERING:
These funds are required for production engineering for the AN/WSN-7/7A, AN/WSN-7B, CDU (Control Display Unit), ECDU (Enhanced Control Display Unit), and AIAS hardware/software procurements and system test and integration, Doppler Sonar Velocity Log, Amphibious Integrated Bridge Systems, Scalable ECDIS-N Systems, and BPS ECDIS-N/VMS Systems.

GWINS: INSTALLATION:
These funds are required to install the following Navigation System Procurements onboard surface combatants, submarine platforms, and aircraft carriers: AN/WSN-7/7A and AN/WSN-7B, DSVL, Amphibious Integrated Bridge, Scalable ECDIS-N, BPS ECDIS-N/VMS, and associated system peripherals.

GWCA1: AMPHIB INTEGRATED BRIDGE SYSTEM
FY06 Congressional plus up for accelerated procurement of Integrated Bridge Systems to provide ECDIS-N capability for Amphibious platforms.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **OTHER NAVIGATION EQUIPMENT** **SUBHEAD NO. A1GW**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N86 - SURFACE WARFARE														
GW006	AN/WSN-2/5 MAINT COMPONENTS		1,165	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
GW013	CONVENTIONAL NAVIGATION FC KITS		1,538	0	0.0	265	0	0.0	318	0	0.0	147	0	0.0	291
GW029	INERTIAL NAV SYS ECP/FC KITS		503	0	0.0	338	0	0.0	370	0	0.0	475	0	0.0	334
GW035	RING LASER GYRO NAVIGATION														
	AN/WSN-7A PERIPHERALS		780	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
GW036	RING LASER GRYO NAVIGATION														
	AN/WSN-7B PERIPHERALS		0	0	0.0	0	0	0.0	0	0	0.0	90	0	0.0	1,071
	RING LASER GYROCOMPASS (AN/WSN-7B)		0	0	0.0	0	0	0.0	0	8	400.0	3,200	14	350.0	4,900
GW050	SCALABLE ECDIS-N		0	6	230.0	1,380	14	234.0	3,276	17	239.0	4,063	22	244.0	5,368
GW051	SCALABLE ECDIS-N ECP/FC KITS		0	0	0.0	726	0	0.0	1,846	0	0.0	2,284	0	0.0	354
GW830	PRODUCTION ENGINEERING		1,166	0	0.0	803	0	0.0	828	0	0.0	981	0	0.0	851
GWCA1	AMPHIB INTEGRATED BRIDGE SYSTEM		0	0	0.0	1,500	0	0.0	0	0	0.0	0	0	0.0	0
	N86 Subtotal		**5,152**			**5,012**			**6638**			**11,240**			**13,169**
	Sponsor: N87 - SUBMARINE WARFARE														
GW006	AN/WSN-2 MAINT COMPONENTS		647	0	0.0	383	0	0.0	177	0	0.0	0	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **OTHER NAVIGATION EQUIPMENT** **SUBHEAD NO. A1GW**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
GW013	CONVENTIONAL NAVIGATION FC KITS		550	0	0.0	405	0	0.0	443	0	0.0	1,130	0	0.0	1,835
GW029	INERTIAL NAV SYS ECP/FC KITS		1,873	0	0.0	2,172	0	0.0	1,957	0	0.0	2,904	0	0.0	2,874
GW032	DOPPLER SONAR VELOCITY LOG		0	12	179.3	2,152	11	183.0	2,013	15	186.0	2,790	7	190.0	1,330
GW035	RING LASER GYRO NAVIGATION														
	AN/WSN-7A		970	1	1,400.0	1,400	0	0.0	0	0	0.0	0	0	0.0	0
	AN/WSN-7A PERIPHERALS		1,453	0	0.0	2,282	0	0.0	1,350	0	0.0	1,350	0	0.0	0
GW036	RING LASER GYRO NAVIGATION														
	AN/WSN-7B		0	3	386.7	1,160	0	0.0	0	0	0.0	0	0	0.0	0
GW038	BPS ECDIS-N/VMS FC KITS		3,770	0	0.0	4,637	0	0.0	8,628	0	0.0	0	0	0.0	1,534
GW039	BPS ECDIS-N/VMS SOFTWARE UPGRADE		1,106	0	0.0	250	0	0.0	0	0	0.0	0	0	0.0	0
GW052	ENHANCED INERTIAL NAV PERFORMANCE		0	0	0.0	1,100	0	0.0	1,100	0	0.0	2,500	0	0.0	2,500
GW830	PRODUCTION ENGINEERING		584	0	0.0	456	0	0.0	461	0	0.0	500	0	0.0	580
	N87 Subtotal		**10,953**			**16,397**			**16,129**			**11,174**			**10,653**
	Sponsor: N88 - AIR WARFARE														
GW029	CVNS/WSN-7 ECP/FC KITS		1,514	0	0.0	955	0	0.0	1,729	0	0.0	1,757	0	0.0	1,792
GW050	SCALABLE ECDIS-N		0	0	0.0	0	0	0.0	0	1	685.0	685	10	700.0	7,000

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **OTHER NAVIGATION EQUIPMENT** **SUBHEAD NO. A1GW**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
GW051	SCALABLE ECDIS-N ECP/FC KITS		0	0	0.0	0	0	0.0	0	0	0.0	225	0	0.0	3,756
GW830	PRODUCTION ENGINEERING		218	0	0.0	125	0	0.0	120	0	0.0	181	0	0.0	289
	N88 Subtotal		**1,732**			**1,080**			**1,849**			**2,848**			**12,837**
	TOTAL EQUIPMENT		**17,837**			**22,489**			**24,616**			**25,262**			**36,659**
	INSTALLATION														
	Sponsor: N86 - SURFACE WARFARE														
GWINS	INSTALL OF EQUIPMENT N86		5,800	0	0.0	846	0	0.0	2,290	0	0.0	2,341	0	0.0	6,017
	N86 Subtotal		**5,800**			**846**			**2,290**			**2,341**			**6,017**
	Sponsor: N87 - SUBMARINE WARFARE														
GWINS	INSTALL OF EQUIPMENT N87		7,323	0	0.0	1,412	0	0.0	5,005	0	0.0	1,900	0	0.0	1,653
	N87 Subtotal		**7,323**			**1,412**			**5,005**			**1,900**			**1,653**
	Sponsor: N88 - AIR WARFARE														
GWINS	INSTALL OF EQUIPMENT N88		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	3,116
	N88 Subtotal		**0**			**0**			**0**			**0**			**3,116**
	TOTAL INSTALLATION		**13,123**			**2,258**			**7,295**			**4,241**			**10,786**
TOTAL			**30,960**			**24,747**			**31,911**			**29,503**			**47,445**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE OTHER NAVIGATION EQUIPMENT BLIN: 0670					SUBHEAD A1GW
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
GW050										
SCALABLE ECDIS-N	6	230.0	NAVSEA PHILA PA	OCT-05	SS FFP	SPERRY MARINE CHARLOTTESV	FEB-06	AUG-08	YES	
GW032										
DOPPLER SONAR VELOCITY LOG	12	179.3	NAVSEA WNY WASH DC	TBD	COMP FFP	TBD	TBD	TBD	YES	
GW035 RING LASER GYRO NAVIGATION										
AN/WSN-7A	1	1,400.0	NAVSEA WNY WASH DC	MAR-06	SS FFP	SPERRY MARINE CHARLOTTESV	MAR-06	MAR-07	YES	
GW036 RING LASER GYRO NAVIGATION										
AN/WSN-7B	3	386.7	NAVSEA WNY WASH DC	MAR-06	SS FFP	SPERRY MARINE CHARLOTTESV	MAR-06	MAR-07	YES	
FY 2007										
GW050										
SCALABLE ECDIS-N	14	234.0	NAVSEA PHILA PA	OCT-05	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-07	JUL-07	YES	
GW032										
DOPPLER SONAR VELOCITY LOG	11	183.0	NAVSEA WNYN WASH DC	TBD	SS FFP	TBD	TBD	TBD	YES	
FY 2008										
GW036 RING LASER GRYO NAVIGATION										
RING LASER GYROCOMPASS (AN/WSN-7B)	8	400.0	NAVSEA WNY WASH DC	SEP-07	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-08	JAN-09	YES	
GW050										
SCALABLE ECDIS-N	17	239.0	NAVSEA PHILA PA	OCT-05	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-08	JUL-08	YES	
GW032										
DOPPLER SONAR VELOCITY LOG	15	186.0	NAVSEA WNY WASH DC	TBD	SS FFP	TBD	TBD	TBD	YES	
GW050										
SCALABLE ECDIS-N	1	685.0	NAVSEA PHILA PA	OCT-05	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-08	JUL-08	YES	
FY 2009										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE OTHER NAVIGATION EQUIPMENT BLIN: 0670				SUBHEAD A1GW	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
GW036 RING LASER GRYO NAVIGATION										
RING LASER GYROCOMPASS (AN/WSN-7B)	14	350.0	NAVSEA WNY WASH DC	SEP-08	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-09	JAN-10	YES	
GW050										
SCALABLE ECDIS-N	22	244.0	NAVSEA PHILA PA	OCT-06	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-09	JUL-09	YES	
GW032										
DOPPLER SONAR VELOCITY LOG	7	190.0	NAVSEA WNY WASH DC	TBD	SS FFP	TBD	TBD	TBD	YES	
GW050										
SCALABLE ECDIS-N	10	700.0	NAVSEA PHILA PA	OCT-05	SS FFP	SPERRY MARINE CHARLOTTESV	JAN-09	JUL-09	YES	

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED GW032 DOPPLER SONAR VELOCITY LOG	TYPE MODIFICATION: DSVL	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT

DESCRIPTION/JUSTIFICATION:

These funds are required to procure Dopplar Sonar Velocity Log (DSVL) systems for backfit on submarine platforms. DSVL will replace the legacy Underwater Log System used to determine speed through the water and will provide a higher accuracy of ships speed.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			12	2.2	11	2.0	15	2.8	7	1.3											45	8.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					12	2.0	11	1.5	15	1.7	7	0.9									45	6.1
TOTAL PROCUREMENT				2.2		4.0		4.3		3.0		0.9										14.4

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DOPPLER SONAR VELOCITY LOG	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	AIT								
ADMINISTRATIVE LEADTIME:	5 Months			PRODUCTION LEADTIME:	12 Months				
CONTRACT DATES:		FY 2006:	TBD	FY 2007:	TBD	FY 2008:	TBD	FY 2009:	TBD
DELIVERY DATES:		FY 2006:	TBD	FY 2007:	TBD	FY 2008:	TBD	FY 2009:	TBD

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT					12	2.0															12	2.0
FY 2007 EQUIPMENT							11	1.5													11	1.5
FY 2008 EQUIPMENT									15	1.7											15	1.7
FY 2009 EQUIPMENT											7	0.9									7	0.9
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	4	4	4	0	6	3	2	4	4	4	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	45
Out	0	0	0	0	0	0	4	4	4	0	6	3	2	4	4	4	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	45

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED GW035 RING LASER GYRO NAVIGATION AN/WSN-7A	TYPE MODIFICATION: AN/WSN-7/7A	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT

DESCRIPTION/JUSTIFICATION:

These funds are required to support the acquisition, implementation and certification of the AN/WSN-7/7A Ring Laser Gyro Navigator (RLGN), including hardware required for SSN ERO Restoration Modernization. System peripherals include: CDUs, ECDUs, Sync Amps, BIT Cables, Readiness Based Spares, and Installation kits.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	133	1.0	1	1.4																	134	2.4
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	132	78.6	1	0.8	1	1.3															134	80.7
TOTAL PROCUREMENT		79.6		2.2		1.3																83.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
RING LASER GYRO NAVIGATION AN/WSN-7A	OTHER NAVIGATION EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:			6 Months	PRODUCTION LEADTIME:		12 Months			
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	MAR-07	FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	132	78.6	1	0.8																	133	79.4
FY 2006 EQUIPMENT					1	1.3															1	1.3
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	132	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134
Out	132	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	134

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED GW036 RING LASER GRYO NAVIGATION RING LASER GYROCOMPASS (AN/WSN-7B)	TYPE MODIFICATION: AN/WSN-7B	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT

DESCRIPTION/JUSTIFICATION:

These funds are required to support the acquisition, implementation and certification of the AN/WSN-7B Ring Laser Gyrocompass (RLG), including hardware required for SSN ERO Restoration Modernization. System peripherals include: CDUs, ECDUs, Sync Amps, BIT Cables and Installation kits. MCM ships require quantity (2) AN/WSN-7B per ship.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							8	3.2	14	4.9	6	2.4									28	10.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
EQUIPMENT	51	16.5	3	1.2																	54	17.7
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	51	17.8			3	1.3			8	2.1	12	3.3	8	2.2							82	26.7
TOTAL PROCUREMENT		34.3		1.2		1.3		3.2		7.0		5.7		2.2								54.9

CLASSIFICATION: UNCLASSIFIED										February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)										
MODELS OF SYSTEM AFFECTED RING LASER GRYO NAVIGATION RING LASER GYROCOMPASS (AN/WSN-7B)								MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT		
INSTALLATION INFORMATION:										
METHOD OF IMPLEMENTATION:			AIT							
ADMINISTRATIVE LEADTIME:		6 Months		PRODUCTION LEADTIME:		12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	JAN-08	FY 2009:	JAN-09	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JAN-09	FY 2009:	JAN-10	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	51	17.8																			51	17.8
FY 2006 EQUIPMENT					3	1.3															3	1.3
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									8	2.1											8	2.1
FY 2009 EQUIPMENT											12	3.3	2	0.6							14	3.9
FY 2010 EQUIPMENT													6	1.6							6	1.6
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	51	0	0	0	0	0	1	1	1	0	0	0	0	0	2	2	4	0	4	4	4	2	2	2	2	0	0	0	0	0	0	0	0	0	82
Out	51	0	0	0	0	0	1	1	1	0	0	0	0	0	2	2	4	0	4	4	4	2	2	2	2	0	0	0	0	0	0	0	0	0	82

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED GW038 BPS ECDIS-N/VMS FC KITS	TYPE MODIFICATION: BPS ECDIS-N/VMS	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
These funds are required to provide BPS - Voyage Management System (VMS) Field Changes to provide ECDIS-N capability and to support obsolescence replacement.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FULL RATE PRODUCTION			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS	4	3.8		4.6		8.6				1.5		2.8		3.6		4.4		4.5			4	33.8
MODIFICATION KITS - UNIT COST		1.0																				
MODIFICATION NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			2	0.6	1	0.4	1	0.4													4	1.4
TOTAL PROCUREMENT		3.8		5.2		9.0		0.4		1.5		2.8		3.6		4.4		4.5				35.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
BPS ECDIS-N/VMS FC KITS	OTHER NAVIGATION EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	AIT								
ADMINISTRATIVE LEADTIME:	1 Months	PRODUCTION LEADTIME:	18 Months						
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT			2	0.6																	2	0.6
FY 2007 EQUIPMENT					1	0.4	1	0.4													2	0.8
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
Out	0	0	0	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED GW050 SCALABLE ECDIS-N	TYPE MODIFICATION: SCALABLE ECDIS-N	MODIFICATION TITLE: OTHER NAVIGATION EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
These funds are required for procurement of Scalable ECDIS-N systems for surface combatants, amphibious ships, and carriers.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FULL RATE PRODUCTION			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			6	1.4	14	3.3	18	4.7	32	12.4	4	1.0									74	22.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			3	0.8	8	2.3	8	2.3	20	7.0	19	7.2	16	5.8							74	25.4
TOTAL PROCUREMENT				2.2		5.6		7.0		19.4		8.2		5.8								48.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
SCALABLE ECDIS-N	OTHER NAVIGATION EQUIPMENT

INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			AIT					
ADMINISTRATIVE LEADTIME:		2 Months		PRODUCTION LEADTIME:	6-8 Months			
CONTRACT DATES:	FY 2006:	FEB-06	FY 2007:	JAN-07	FY 2008:	JAN-08	FY 2009:	JAN-09
DELIVERY DATES:	FY 2006:	AUG-08	FY 2007:	JUL-07	FY 2008:	JUL-08	FY 2009:	JUL-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT			3	0.8	3	0.9															6	1.7
FY 2007 EQUIPMENT					5	1.4	8	2.3	1	0.3											14	4.0
FY 2008 EQUIPMENT									13	4.2	5	1.5									18	5.7
FY 2009 EQUIPMENT									6	2.5	14	5.7	12	4.5							32	12.7
FY 2010 EQUIPMENT													4	1.3							4	1.3
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	2	1	2	1	3	2	2	2	2	2	4	6	5	5	3	5	7	4	6	2	4	4	0	0	0	0	0	0	0	0	0	74
Out	0	0	0	2	1	2	1	3	2	2	2	2	2	4	6	5	5	3	5	7	4	6	2	4	4	0	0	0	0	0	0	0	0	0	74

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE UNDERWAY REPLENISHMENT EQUIPMENT **SUBHEAD NO. 81G0/61G0 BLIN: 0740**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	4.3			0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.1
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

This line item encompasses equipment required to provide the Fleet with a reliable Stream Underway Replenishment capability. The equipment is used to transfer ammunition, missiles, fuel and cargo using along-side replenishment techniques, cranes, and elevators. This new equipment is essential to the Fleet to: (a) enhance personnel equipment safety; (b) reduce maintenance costs; (c) lengthen intervals between equipment failures; (d) allow heavylift transfer (i.e., aircraft engines) and (e) shorten along-side time, thereby reducing ship vulnerability to enemy action. Installation costs are included. Some of the significant items included are as follows:

EQUIPMENT INSTALLATION (GO5IN)

Funding is for the installation of Sliding Pad Eyes (procured in FY05 and prior) in support of the Fleet Modernization Program.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **UNDERWAY REPLENISHMENT EQUIPMENT** **SUBHEAD NO. 81G0/61G0**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N88 - AIR WARFARE														
G0002	SLIDING PADEYES														
	0204112N		996	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	N88 Subtotal		**996**			**0**			**0**			**0**			**0**
	TOTAL EQUIPMENT		**996**			**0**			**0**			**0**			**0**
	INSTALLATION														
	Sponsor: N88 - AIR WARFARE														
G05IN	INSTALL OF EQUIPMENT N88		3,332	2	453.0	906	2	462	924	0	0.0	0	0	0.0	0
	N88 Subtotal		**3,332**			**906**			**924**			**0**			**0**
	TOTAL INSTALLATION		**3,332**			**906**			**924**			**0**			**0**
TOTAL			**4,328**			**906**			**924**			**0**			**0**

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED G0002 SLIDING PADEYES 0204112N	TYPE MODIFICATION:	MODIFICATION TITLE: UNDERWAY REPLENISHMENT EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
Replacement 25 year old Non-Navy Standard Equipment.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	6	1.0																			6	1.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	2	2.0	2	0.9	2	0.9															6	3.8
TOTAL PROCUREMENT		3.0		0.9		0.9																4.8

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED SLIDING PADEYES 0204112N	MODIFICATION TITLE: UNDERWAY REPLENISHMENT EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:		Months		PRODUCTION LEADTIME:	12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	2	1.6	2	0.9	2	0.9															6	3.4
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Out	2	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE SUB PERISCOPES & IMAGING EQUIP **SUBHEAD NO. H1PL BLIN: 0831**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			15	8	16	16	9	7	13	13	0	97
COST (In Millions)	0.0			64.6	64.5	69.8	72.0	52.8	64.4	76.3	78.5	0.0	542.9
SPARES COST (In Millions)	0.0			3.5	3.5	1.9	2.1	2.2	2.8	1.1	1.7	0.0	18.8

PROGRAM DESCRIPTION/JUSTIFICATION:

The Submarine Periscopes and Imaging Equipment Program procures the Type 18 and Type 8 periscopes, Photonics Mast Variant (PMV) and new, improved imaging capabilities incorporated in the Integrated Submarine Imaging System (ISIS). Commander Naval Submarine Force (CNSF). Operations Review Group (ORG) selected the Patriot Type 18 Periscope Rangefinder and the Type 8 Infra-Red (IR) Periscope as high priority tactical control technologies to field. By OPNAV Ltr Ser. N77/3U629209, 12 June 2003, OPNAV N77 established the ISIS to rapidly field these systems and integrate existing periscope imagery systems into a single system for installation on board submarines. The ISIS baseline includes the Type 18 Periscope Patriot Automated Range Finder, the Type 8IR Periscope, the common control and display, and the Silent Watch ESM Upgrade. ISIS supports high intensity operations in the littoral, providing the submarine force with the tactical imaging systems necessary to safely and effectively employ its surveillance and weapons capabilities. The Infra-Red (IR) imaging capability improves imaging in low visibility conditions. The Electronic Warfare Support (ES) upgrade provides the LOS ANGELES Class submarine the ability to intercept, classify, and identify potential threat emitters using onboard ES equipment. This capability allows for greater submarine stealth in the littoral. The Automated Range Finder provides a 360 degree search independent of the visual search, enhanced situational awareness and provides a collision avoidance capability. Tactical imagery technology insertion includes the common control and display, an integrated imaging system that provides for remote periscope operation, operator alerts, imaging enhancement tools and contact analysis tools, interfaced with other Combat Systems. By OPNAV Ltr Ser. N77/5U936008, 15 Feb 2005, OPNAV N77 provided direction to accelerate development of a Digital Periscope (DP) upgrade for SSN688 and SEAWOLF class platforms. ISIS Increment II procures the Digital Periscope (DP) beginning in FY 2008. The DP is a system reliability upgrade, and will concurrently provide digital imagery from outboard cameras. Funding will improve submarine imaging capability in the areas of: ship safety, Intelligence, Surveillance and Reconnaissance (ISR), tactical control (contact management in the littorals) to provide high quality imaging 24 hours a day, 7 days a week in all weather conditions to support submarine operations worldwide. Along with the Type 18 and Type 8 Mod 3 Periscope Systems, ISIS will be installed on LOS ANGELES Class, SEAWOLF Class and SSGN submarines.

ISIS provides for the modernization of imaging systems to improve imaging capabilities for the submarine force in support of ISR requirements. This includes the integration of new capabilities into the Type 18 and Type 8 Periscopes, and a Photonics Mast Variant (PMV) for SSGN. The inventory objective is 61 units: This is the quantity required for ship installation (50), spares (9) and (2) configuration models.

Estimates include competitive sourcing savings associated with consolidation of production support contracting efforts.

PL011

Imaging Block Upgrade - Funding continues procurement of Periscopes and Imaging Equipment reliability and maintainability, obsolescence, and operational capability enhancement block upgrades (i.e.): Type 18 mast downrun upgrade, Type 18 Submarine Imaging System (SUBIS) improvements, Type 18 head skeleton and focus erector motor replacement, day-night drive mechanism, eyepiece-eyeguard, image intensifier replacement, training handle improvement, magnification driver CCA, rotary joint improvements, tuflite Bearing Type 18 and Type 8 Radar Absorption Structure, Type 15L display improvements, PMV camera replacement, PMV rotary seal replacement, PMV electromagnetic interference improvements, periscope bearing upgrade, periscope fairing steady bearing, periscope fairing lower dashpot improvement, periscope fairing upper Karon bearing, periscope fairing hoisting cylinder rod ceramic coating, periscope universal hull packing improvement, periscope alternate cathodic protection, periscope hoist/yoke adaptor periscope cylinder dashpot (finger) guard and associated Integrated Logistics Support (ILS) and technical data. Variable quantities and types are bought in each fiscal year.

PL012

Funds procure replacement Special Support Equipment (SSE) for each maintenance level to ensure systems are maintained in a state of operational readiness. Equipment includes Q-Band Test Equipment, Mast Dynamic Collimator, Eyebox/Mast Test Set, and Antenna/Outer Head Simulator required due to obsolescence and age of existing imaging systems SSE.

PL015

Funding is for Interim Contract Support provided by the periscope manufacturer including Depot and Intermediate level repair of all types of tactical submarine imaging systems.

PL016

Funding is for imaging systems training requirements to include curriculum development, training materials, initial factory training pilot course conduct, Navy Training Plans, and instructor advisory services.

PL018

Funding is for the procurement of an Automated Range Finder beginning in FY-03. Funding provides for an increased capability for the periscope to perform rapid determination of contact range without a prior knowledge of contact dimensions and without application of rules of thumb. The automated range finder will increase efficiency for contact management, reduce workload and eliminate operator fatigue during prolonged operations in dense contact environments.

PL022

Funding is for the procurement of SSN ISIS Imaging Systems including NRE beginning in FY05. ISIS provides for the modernization of imaging systems to improve imaging capabilities for the submarine force in support of ISR requirements. This includes the integration of new capabilities into the Type 18 and Type 8 Periscopes, and a Photonics Mast Variant (PMV) for SSGN.

PL830
Production Engineering funds provide the following functions: value engineering; review and evaluation of production design data and documentation; production configuration control; maintenance engineering efforts designed and incorporated into the production manufacturing process, and other related engineering functions that are integral to all of the Imaging Systems and ancillary components.

PL900
Imaging Systems engineering, technical and maintenance services funds provide the following functions: In-Service engineering and technical support to deployed Periscope and Imaging Equipment, imaging system installation and integration planning, SHIPALT and TEMPALT technical data preparation, production hardware design review, engineering/technical support for installations, training materials development, field engineering and technical problem resolution, block upgrade installation planning, configuration management, and maintenance planning including inventory, management, repair, and restoration scheduling.

PL5IN
Funding is for the installation of Fleet Modernization Program Equipment only.

PLCA1
Funding is for procurement of Photonics Mast Variant Spares.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code **A**	P-1 LINE ITEM NOMENCLATURE **SUB PERISCOPES & IMAGING EQUIP** **SUBHEAD NO. H1PL**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N87 - SUBMARINE WARFARE														
PL011	IMAGING BLOCK UPGRADE	A	0	0	0.0	2,396	0	0.0	11,901	0	0.0	2,222	0	0.0	2,619
PL012	PERISCOPE SPECIAL SUPPORT EQUIPMENT	A	0	0	0.0	448	0	0.0	640	0	0.0	466	0	0.0	475
PL015	PERISCOPE INTERIM CONTRACTOR SUPPORT	A	0	0	0.0	4,759	0	0.0	946	0	0.0	1,180	0	0.0	930
PL016	PERISCOPE TRAINING	A	0	0	0.0	150	0	0.0	153	0	0.0	156	0	0.0	159
PL018	AUTOMATED RANGE FINDER	A	15,500	6	794.2	4,765	0	0.0	0	0	0.0	0	0	0.0	0
PL022	INTEGRATED SUBMARINE IMAGING SYSTEM (ISIS)														
	ISIS INCREMENT I CAPABILITY INSERTION	A	34,912	8	5,238.0	41,904	9	4,083.7	36,753	9	3,694.0	33,246	10	3,758.7	37,587
	ISIS INCREMENT II DIGITAL PERISCOPE	A	0	0	0.0	0	0	0.0	0	4	2,967.8	11,871	4	3,073.5	12,294
	ISIS INCREMENT I CAPABILITY INSERTION SPARES/CCN	A	4,988	0	0.0	0	0	0.0	0	3	3,693.7	11,081	2	3,758.5	7,517
PL830	PERISCOPE PRODUCTION ENGINEERING	A	0	0	0.0	2,922	0	0.0	2,972	0	0.0	3,026	0	0.0	3,080
PL900	PERISCOPE CONSULTING SERVICES - CSS	A	0	0	0.0	548	0	0.0	518	0	0.0	530	0	0.0	543
PLCA1	PHOTONICS MAST VARIANT SPARE		0	1	2,800.0	2,800	1	1,000.0	1,000	0	0.0	0	0	0.0	0
	N87 Subtotal		**55,400**			**60,692**			**54,883**			**63,778**			**65,204**
	TOTAL EQUIPMENT		**55,400**			**60,692**			**54,883**			**63,778**			**65,204**
	INSTALLATION														

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code **A**	P-1 LINE ITEM NOMENCLATURE **SUB PERISCOPES & IMAGING EQUIP** **SUBHEAD NO. H1PL**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	Sponsor: N87 - SUBMARINE WARFARE														
PL5IN	PERISCOPE FMP INSTALLATION	A	0	0	0.0	756	0	0.0	3,814	0	0.0	3,302	0	0.0	5,680
PL5IN	PERISCOPE FMP INSTALLATION - DSA	A	0	0	0.0	1,148	0	0.0	572	0	0.0	495	0	0.0	852
PL5IN	PERISCOPE FMP INSTALLATION - ORDALTS	A	0	0	0.0	1,973	0	0.0	5,200	0	0.0	2,178	0	0.0	291
	N87 Subtotal		**0**			**3,877**			**9,586**			**5,975**			**6,823**
	TOTAL INSTALLATION		**0**			**3,877**			**9,586**			**5,975**			**6,823**
TOTAL			**55,400**			**64,569**			**64,469**			**69,753**			**72,027**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					**DATE February 2007**
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE SUB PERISCOPES & IMAGING EQUIP BLIN: 0831**					**SUBHEAD H1PL**
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
PL018										
AUTOMATED RANGE FINDER	6	794.2	NAWC, CHINA LAKE	SEP-05	C/FP	VARIOUS	APR-06	JAN-07	YES	TBD
PL022 INTEGRATED SUBMARINE IMAGING SYSTEM										
ISIS INCREMENT I CAPABILITY INSERTION	8	5,238.0	NAVSEA, WASH, DC	SEP-05	O/FP	KOLLMORGEN	JUL-06	SEP-07	YES	TBD
PLCA1										
PHOTONICS MAST VARIANT SPARE	1	2,800.0	NAVSEA, WASH, DC	SEP-05	O/FP	KOLLMORGEN	JUN-06	AUG-07	YES	TBD
FY 2007										
PL022 INTEGRATED SUBMARINE IMAGING SYSTEM										
ISIS INCREMENT I CAPABILITY INSERTION	9	4,083.7	NAVSEA, WASH, DC	SEP-06	O/FP	KOLLMORGEN	JAN-07	MAR-08	YES	TBD
PLCA1										
PHOTONICS MAST VARIANT SPARE	1	1,000.0	NAVSEA, WASH, DC	SEP-06	O/FP	KOLLMORGEN	JUL-07	SEP-08	YES	TBD
FY 2008										
PL022 INTEGRATED SUBMARINE IMAGING SYSTEM										
ISIS INCREMENT I CAPABILITY INSERTION	9	3,694.0	NAVSEA, WASH, DC	SEP-07	O/FP	KOLLMORGEN	JUL-08	SEP-09	YES	TBD
ISIS INCREMENT II DIGITAL PERISCOPE	4	2,967.8	NAVSEA, WASH, DC	SEP-07	O/FP	KOLLMORGEN	JUL-08	SEP-09	YES	TBD
SIS INCREMENT I CAPABILITY INSERTION SPARES/CO	3	3,693.7	NAVSEA, WASH, DC	SEP-07	O/FP	KOLLMORGEN	JUL-08	SEP-09	YES	TBD
FY 2009										
PL022 INTEGRATED SUBMARINE IMAGING SYSTEM										
ISIS INCREMENT I CAPABILITY INSERTION	10	3,758.7	NAVSEA, WASH, DC	SEP-08	C/FP	TBD	JUL-09	SEP-10	YES	TBD
ISIS INCREMENT II DIGITAL PERISCOPE	4	3,073.5	NAVSEA, WASH, DC	SEP-08	C/FP	TBD	JUL-09	SEP-10	YES	TBD
SIS INCREMENT I CAPABILITY INSERTION SPARES/CO	2	3,758.5	NAVSEA, WASH, DC	SEP-08	C/FP	TBD	JUL-09	SEP-10	YES	TBD

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED PL018 AUTOMATED RANGE FINDER	TYPE MODIFICATION: ORDALT - TYPE 18 PERISCOPE	MODIFICATION TITLE: SUB PERISCOPES & IMAGING EQUIP
DESCRIPTION/JUSTIFICATION:		
Provides increased capability to perform rapid determination of contact range without a prior knowledge of contact dimensions and without application of rules of thumb.		
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:		

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	16	15.5	6	4.8																	22	20.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT	1	1.4																			1	1.4
OTHER TEMPALT																						
OTHER PRE-PROD MODEL	2	2.9																			2	2.9
OTHER GOV. FURNISHED EQUI	1	1.4																			1	1.4
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	0.7	12	2.0	6	1.0															22	3.7
TOTAL PROCUREMENT		21.9		6.8		1.0																29.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
AUTOMATED RANGE FINDER	SUB PERISCOPES & IMAGING EQUIP

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			AIT'S						
ADMINISTRATIVE LEADTIME:			6 Months	PRODUCTION LEADTIME:		9 Months			
CONTRACT DATES:		FY 2006:	APR-06	FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	JAN-07	FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	0.7	12	2.0																	16	2.7
FY 2006 EQUIPMENT					6	1.0															6	1.0
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	0	4	4	4	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Out	4	0	4	4	4	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
PL022 INTEGRATED SUBMARINE IMAGING SYSTEM (ISIS) ISIS INCREMENT I CAPABILITY INSERTI	SHIPALT	SUB PERISCOPES & IMAGING EQUIP

DESCRIPTION/JUSTIFICATION:

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

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	6	34.9	8	41.9	9	36.8	9	33.2	10	37.6	6	27.8									48	212.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
SPARES/CCM	1	5.0					3	11.1	2	7.5	1	4.6									7	28.2
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			1	1.3	5	4.2	7	3.8	13	6.5	6	2.3	6	2.5	6	2.5	4	1.8			48	24.9
TOTAL PROCUREMENT		39.9		43.2		41.0		48.1		51.6		34.7		2.5		2.5		1.8				265.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED INTEGRATED SUBMARINE IMAGING SYSTEM (ISIS) ISIS INCREMENT I CAPABILITY INSERTION	MODIFICATION TITLE: SUB PERISCOPES & IMAGING EQUIP

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	AIT'S							
ADMINISTRATIVE LEADTIME:	6 MONTHS Months	PRODUCTION LEADTIME:	14 MONTHS Months					
CONTRACT DATES:	FY 2006:	JUL-06	FY 2007:	JAN-07	FY 2008:	JUL-08	FY 2009:	JUL-09
DELIVERY DATES:	FY 2006:	SEP-07	FY 2007:	MAR-08	FY 2008:	SEP-09	FY 2009:	SEP-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS			1	1.3	4	3.4	1	0.5													6	5.2
FY 2006 EQUIPMENT					1	0.8	6	3.3	1	0.5											8	4.6
FY 2007 EQUIPMENT									9	4.5											9	4.5
FY 2008 EQUIPMENT									3	1.5	6	2.3									9	3.8
FY 2009 EQUIPMENT													6	2.5	4	1.7					10	4.2
FY 2010 EQUIPMENT															2	0.8	4	1.8			6	2.6
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	1	0	1	2	2	1	2	2	2	4	3	3	3	1	1	2	2	0	2	2	2	0	2	2	2	1	1	1	1		48
Out	0	0	0	0	1	0	1	2	2	1	2	2	2	4	3	3	3	1	1	2	2	0	2	2	2	0	2	2	2	1	1	1	1		48

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED PL022 INTEGRATED SUBMARINE IMAGING SYSTEM (ISIS) ISIS INCREMENT II DIGITAL PERISCOPE	TYPE MODIFICATION: SHIPALT	MODIFICATION TITLE: SUB PERISCOPES & IMAGING EQUIP

DESCRIPTION/JUSTIFICATION:

ISIS Provides for the modernization of submarine imaging systems. ISIS Increment II procures the Digital Periscope (DP). The DP is a system reliability upgrade, and will provide digital imagery from outboard cameras.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							4	11.9	4	12.3	2	7.0	7	33.7	13	48.5	13	49.7			43	163.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									2	0.4	4	0.8	4	0.8	6	1.2	7	1.5	20	4.2	43	8.9
TOTAL PROCUREMENT								11.9		12.7		7.8		34.5		49.7		51.2		4.2		172.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED INTEGRATED SUBMARINE IMAGING SYSTEM (ISIS) ISIS INCREMENT II DIGITAL PERISCOPE	MODIFICATION TITLE: SUB PERISCOPES & IMAGING EQUIP

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AITS						
ADMINISTRATIVE LEADTIME:			6 MONTHS Months	PRODUCTION LEADTIME:		14 MONTHS Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	JUL-08	FY 2009:	JUL-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	SEP-09	FY 2009:	SEP-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									2	0.4	2	0.4									4	0.8
FY 2009 EQUIPMENT											2	0.4	2	0.4							4	0.8
FY 2010 EQUIPMENT													2	0.4							2	0.4
FY 2011 EQUIPMENT															6	1.2	1	0.2			7	1.4
FY 2012 EQUIPMENT																	6	1.3	7	1.5	13	2.8
FY 2013 EQUIPMENT																			13	2.7	13	2.7
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	1	1	1	0	2	2	2	1	2	2	2	20	43
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	1	1	1	1	0	2	2	2	1	2	2	2	20	43

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE DDG MOD **SUBHEAD NO. 11DM BLIN: 0900**
Program Element for Code B Items 0204228N		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			3.0	32.1	50.0	180.0	190.8	350.8	359.3	384.1	2,330.6	3,880.6
SPARES COST (In Millions)	0.0			0.0	0.3	5.8	20.7	18.1	22.6	33.0	7.0	CONT	107.6

PROGRAM DESCRIPTION/JUSTIFICATION:

1. The DDG Modernization Program is required to upgrade the 28 in-service Flight I and II DDG-51 Class ships in order to keep them relevant and affordable components of the Navy's Sea Power 21 Plan. This program will modernize the oldest ships first with Hull Mechanical and Electric (HM&E) system upgrades as well as Combat System upgrades. The modernization installations are planned for each ship at approximately the 17.5 year midlife point for each hull. The upgrades will focus on technologies that reduce manning, improve Quality of Life (QoL) and reduce Total Ownership Costs (TOC) for the remaining hull life of each ship. This modernization program will provide a core modernization of the infrastructure "foundation" of each ship including the core engineering plan, core computing plan, and Combat Information Center (CIC). This modernization program will also provide an infrastructure foundation that will function as a landing zone for future warfighting capabilities.

2. DDG111 & DDG112 will each receive DDG Modernization separately via SCN new construction funding not shown in these exhibits.

DM001 - DDG MODERNIZATION HM&E

Description: DDG51 Class

Applicable Hulls: DDG 51 - DDG 78

HM&E Foundation:

- Gigabit Ethernet Data Multiplex Sys(GEDMS)
- MCS/DCS Console Upgrades w/Embedded Training Capability
- Digital Video Surveillance System (DVSS)
- Wireless Communications
- Upgrade Integrated Bridge System (IBS) to Full IBS with steering controls
- Advanced Galley
- Quality of Life (QoL) Habitability Upgrades; Crew Recreation and Stainless Steel Showers (SSS)

DM002 - LANDBASED SITE EQUIPMENT
FY 2006-2007 funds will be used to upgrade shore facilities for Combat Systems and HM&E alterations providing risk reduction testing.

DM6IN - FMP INSTALLATION
Funds are for installation of DDG Modernization equipment in support of the Fleet Modernization Program.

DM003 - COMBAT SYSTEM
Description: DDG51 Class
- Applicable Hulls: DDG 51 - DDG 78
- Combat Systems Foundation: CIC Display Upgrade, Open Architecture (OA) Computing Plant, MK160 MOD X Gun Weapon Systems, Multi-Mission Signal Processor (SIGPRO), SPY-1D Transmitter Upgrades, and Multi-Mission Ballistic Missile Defense (BMD) capability.
- Vertical Launch System (VLS) Modification, Evolved Sea Sparrow Missile (ESSM), Stable Master Oscillator (STAMO) Upgrade.
- Cooperative Engagement Capability (CEC).
- SQQ-89A(V)15 with Multi-Function Towed Array (MFTA).

DMCA1 - DDG-51 MODERNIZATION PROGRAM
Description: DDG51 Class
- Congressional Add for procurement and installation of SQQ-89(V) with Multi-Function Towed Array (MFTA).

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System AEGIS WEAPON SYSTEM		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code **A**	P-1 LINE ITEM NOMENCLATURE **DDG MOD** **SUBHEAD NO. 11DM**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
DM001	DDG MODERNIZATION HM&E														
	DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS)		0	0	0.0	0	0	0.0	0	2	392.0	784	5	400.7	2,004
	WIRELESS COMMUNICATIONS		0	0	0.0	0	0	0.0	0	2	300.0	600	5	306.7	1,534
	ADVANCED GALLEY		0	0	0.0	0	0	0.0	0	2	308.0	616	5	314.7	1,574
	QUALITY OF LIFE HABITABILITY UPGRADES		0	0	0.0	0	0	0.0	0	2	66.0	132	5	67.3	337
	GIGABIT ETHERNT DATA MULTIPLX SYS(GEDMS)		0	0	0.0	0	0	0.0	0	2	4,365.0	8,730	3	4,082.3	12,247
	MCS/DCS CONSOLE UPGRADE(U)/VENDOR UPGRD.		0	0	0.0	0	0	0.0	0	2	11,378.5	22,757	3	9,581.3	28,744
	FULL IBS W/STEERING CONTROLS		0	0	0.0	0	0	0.0	0	2	2,716.0	5,432	4	2,551.0	10,204
DM002	LANDBASED SITE EQUIPMENT		0	0	0.0	2,958	0	0.0	2,039	0	0.0	0	0	0.0	86,000
DM003	COMBAT SYSTEMS														
	DDG MOD COMBAT SYSTEMS FOUNDATION		0	0	0.0	0	0	0.0	0	0	0.0	10,043	0	0.0	33,404
DMCA1	DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL														
	SQQ-89A(V) W/MFTA PROCUREMENT AND INSTALLATIO		0	0	0.0	0	2	15,000.0	30,011	0	0.0	0	0	0.0	0
	Subtotal		**0**			**2,958**			**32,050**			**49,094**			**176,046**
	TOTAL EQUIPMENT		**0**			**2,958**			**32,050**			**49,094**			**176,046**
	INSTALLATION														
DM6IN	INSTALLATION OF EQUIPMENT		0	0	0.0	0	0	0.0	0	0	0.0	914	0	0.0	3,936
	Subtotal		**0**			**0**			**0**			**914**			**3,936**

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System AEGIS WEAPON SYSTEM		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code **A**	P-1 LINE ITEM NOMENCLATURE **DDG MOD** **SUBHEAD NO. 11DM**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	TOTAL INSTALLATION		**0**			**0**			**0**			**914**			**3,936**
TOTAL			**0**			**2,958**			**32,050**			**50,008**			**179,982**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System AEGIS WEAPON SYSTEM					**DATE** **February 2007**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**					**P-1 LINE ITEM NOMENCLATURE** **DDG MOD** **BLIN: 0900**					**SUBHEAD** **11DM**
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2007										
DMCA1 DDG-51 MODERNIZATION										
PROGRAM CONGRESSIONAL ADD										
SQQ-89A(V) W/MFTA PROCUREMENT AND INSTALL.	2	15,000.0	NAVSEA	MAR-07	FP	TBD	JUN-07	MAR-09	YES	
FY 2008										
DM001 DDG MODERNIZATION HM&E										
DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS)	2	392.0	NAVSEA	OCT-07	FP	TBD	MAR-08	JUN-09	YES	
WIRELESS COMMUNICATIONS	2	300.0	NAVSEA	OCT-07	FP	NSWC/CRANE	MAR-08	JUN-09	YES	
ADVANCED GALLEY	2	308.0	NAVSEA	OCT-07	FP	TBD/VARIOUS	MAR-08	JUN-09	YES	
QUALITY OF LIFE HABITABILITY UPGRADES	2	66.0	NAVSEA	OCT-07	FP	TBD	MAR-08	JUN-09	YES	
GIGABIT ETHERNT DATA MULTIPLX SYS(GEDMS)	2	4,365.0	NAVSEA	OCT-07	FP	DRS-SIERRA-BUFFALO	MAR-08	JUN-09	YES	
MCS/DCS CONSOLE UPGRADE(U)/VENDOR UPGRD.	2	11,378.5	NAVSEA	OCT-07	FP	TBD	MAR-08	JUN-09	YES	
FULL IBS W/STEERING CONTROLS	2	2,716.0	NAVSEA	OCT-07	FP	TBD	MAR-08	JUN-09	YES	
FY 2009										
DM001 DDG MODERNIZATION HM&E										
DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS)	5	400.7	NAVSEA	OCT-08	FP	TBD	MAR-09	JUN-10	YES	
WIRELESS COMMUNICATIONS	5	306.7	NAVSEA	OCT-08	FP	NSWC/CRANE	MAR-09	JUN-10	YES	
ADVANCED GALLEY	5	314.7	NAVSEA	OCT-08	FP	TBD/VARIOUS	MAR-09	JUN-10	YES	
QUALITY OF LIFE HABITABILITY UPGRADES	5	67.3	NAVSEA	OCT-08	FP	TBD	MAR-09	JUN-10	YES	
GIGABIT ETHERNT DATA MULTIPLX SYS(GEDMS)	3	4,082.3	NAVSEA	OCT-08	FP	DRS-SIERRA-BUFFALO	MAR-09	JUN-10	YES	
MCS/DCS CONSOLE UPGRADE(U) +VENDOR U	3	9,581.3	NAVSEA	OCT-08	FP	TBD	MAR-09	JUN-10	YES	
FULL IBS W/STEERING CONTROLS	4	2,551.0	NAVSEA	OCT-08	FP	TBD	MAR-09	JUN-10	YES	

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E ADVANCED GALLEY	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE ADVANCED GALLEY HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	0.6	5	1.6	1	0.3	3	1.0	3	1.0	3	1.0	11	4.0	28	9.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.1	DSA	0.5	2	4.0	3	5.7	3	5.8	3	5.9	17	35.2	28	57.2
TOTAL PROCUREMENT								0.7		2.1		4.3		6.7		6.8		6.9		39.2		66.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DDG MODERNIZATION HM&E ADVANCED GALLEY	MODIFICATION TITLE: DDG MOD
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT
ADMINISTRATIVE LEADTIME: 6 Months	PRODUCTION LEADTIME: 12-18 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.1	DSA	0.3	2	3.1									2	3.5
FY 2009 EQUIPMENT									DSA	0.2	DSA	0.6	3	4.8	2	3.3					5	8.9
FY 2010 EQUIPMENT											DSA	0.3	DSA	0.6	1	1.6					1	2.5
FY 2011 EQUIPMENT													DSA	0.3	DSA	0.6	3	5.0			3	5.9
FY 2012 EQUIPMENT															DSA	0.3	DSA	0.6	3	5.1	3	6.0
FY 2013 EQUIPMENT																	DSA	0.3	3	5.9	3	6.2
TO COMPLETE																			11	24.2	11	24.2

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS)	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS) HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	0.8	5	2.0	1	0.4	3	1.3	3	1.3	3	1.3	11	5.1	28	12.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.1	DSA	0.2	2	1.1	3	1.6	3	1.6	3	1.7	17	10.0	28	16.3
TOTAL PROCUREMENT								0.9		2.2		1.5		2.9		2.9		3.0		15.1		28.5

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DDG MODERNIZATION HM&E DIGITAL VIDEO SURVEILLANCE SYSTEM (DVSS)	MODIFICATION TITLE: DDG MOD

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT						
ADMINISTRATIVE LEADTIME:			6 Months	PRODUCTION LEADTIME:		16 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.1	DSA	0.1	2	0.9									2	1.1
FY 2009 EQUIPMENT									DSA	0.1	DSA	0.1	3	1.3	2	0.9					5	2.4
FY 2010 EQUIPMENT											DSA	0.1	DSA	0.2	1	0.4					1	0.7
FY 2011 EQUIPMENT													DSA	0.1	DSA	0.2	3	1.4			3	1.7
FY 2012 EQUIPMENT															DSA	0.1	DSA	0.2	3	1.5	3	1.8
FY 2013 EQUIPMENT																	DSA	0.1	3	1.7	3	1.8
TO COMPLETE																			11	6.8	11	6.8

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E FULL IBS W/STEERING CONTROLS	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE FULL IBSW/STEERING CONTROLS HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	5.4	4	10.2	1	2.6	4	10.7	3	8.2	3	8.3	11	32.2	28	77.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.1	DSA	0.4	2	3.2	3	4.5	3	4.6	3	4.7	17	28.1	28	45.6
TOTAL PROCUREMENT								5.5		10.6		5.8		15.2		12.8		13.0		60.3		123.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DDG MODERNIZATION HM&E FULL IBS W/STEERING CONTROLS	MODIFICATION TITLE: DDG MOD
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	

ADMINISTRATIVE LEADTIME:			6 Months	PRODUCTION LEADTIME:	12-18 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.1	DSA	0.2	2	2.5									2	2.8
FY 2009 EQUIPMENT									DSA	0.2	DSA	0.5	3	3.8	1	1.3					4	5.8
FY 2010 EQUIPMENT											DSA	0.2	DSA	0.5	1	1.3					1	2.0
FY 2011 EQUIPMENT													DSA	0.2	1	1.8	3	4.0			4	6.0
FY 2012 EQUIPMENT															DSA	0.2	DSA	0.5	3	4.1	3	4.8
FY 2013 EQUIPMENT																	DSA	0.2	3	4.7	3	4.9
TO COMPLETE																			11	19.3	11	19.3

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E GIGABIT ETHERNT DATA MULTIPLX SYS(GEDMS)	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE GIGABIT ETHERNET DATA MULTIPLEXING SYSTEM HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	8.7	3	12.2			6	25.8	3	14.1	3	14.5	11	44.4	28	119.7
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.3	DSA	1.4	2	9.3	3	13.3	3	13.8	3	13.9	17	82.3	28	134.3
TOTAL PROCUREMENT								9.0		13.6		9.3		39.1		27.9		28.4		126.7		254.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
DDG MODERNIZATION HM&E GIGABIT ETHERNT DATA MULTIPLX SYS(GEDMS)	DDG MOD

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	12-18 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.3	DSA	1.0	2	7.3									2	8.6
FY 2009 EQUIPMENT									DSA	0.4	DSA	1.4	3	11.2							3	13.0
FY 2010 EQUIPMENT											DSA	0.6	DSA	1.5	3	11.6					3	13.7
FY 2011 EQUIPMENT													DSA	0.6	DSA	1.6	3	11.6			3	13.8
FY 2012 EQUIPMENT															DSA	0.6	DSA	1.6	3	11.9	3	14.1
FY 2013 EQUIPMENT																	DSA	0.6	3	13.8	3	14.4
TO COMPLETE																			11	56.6	11	56.6

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E MCS/DCS CONSOLE UPGRADE(U)/VENDOR UPGRADE	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE MCS/DCS CONSOLE HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	22.8	3	28.7	1	9.8	5	50.0	3	30.7	3	31.4	11	121.1	28	294.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.1	DSA	0.5	2	3.4	3	4.8	3	4.9	3	5.0	17	29.7	28	48.4
TOTAL PROCUREMENT								22.9		29.2		13.2		54.8		35.6		36.4		150.8		342.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
DDG MODERNIZATION HM&E MCS/DCS CONSOLE UPGRADE(U)/VENDOR UPGRADE	DDG MOD

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	12-18 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.1	DSA	0.3	2	2.6									2	3.0
FY 2009 EQUIPMENT									DSA	0.2	DSA	0.6	3	4.0							3	4.8
FY 2010 EQUIPMENT											DSA	0.2	DSA	0.6	3	4.1					3	4.9
FY 2011 EQUIPMENT													DSA	0.2	DSA	0.6	3	4.2			3	5.0
FY 2012 EQUIPMENT															DSA	0.2	DSA	0.6	3	4.3	3	5.1
FY 2013 EQUIPMENT																	DSA	0.2	3	5.0	3	5.2
TO COMPLETE																			11	20.4	11	20.4

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E QUALITY OF LIFE HABITABILITY UPGRADES	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE QUALITY OF LIFE HABITABILITY HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	0.1	5	0.3	1	0.1	3	0.2	3	0.2	3	0.2	11	0.9	28	2.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							DSA	0.1	DSA	0.4	2	2.1	3	2.8	3	2.9	3	2.9	17	22.6	28	33.8
TOTAL PROCUREMENT								0.2		0.7		2.2		3.0		3.1		3.1		23.5		35.8

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DDG MODERNIZATION HM&E QUALITY OF LIFE HABITABILITY UPGRADES	MODIFICATION TITLE: DDG MOD

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:	PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT								
ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	12-18 Months						
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							DSA	0.1	DSA	0.2	2	1.5									2	1.8
FY 2009 EQUIPMENT									DSA	0.2	DSA	0.4	3	2.2	2	1.5					5	4.3
FY 2010 EQUIPMENT											DSA	0.2	DSA	0.4	1	0.8					1	1.4
FY 2011 EQUIPMENT													DSA	0.2	DSA	0.4	3	2.3			3	2.9
FY 2012 EQUIPMENT															DSA	0.2	DSA	0.4	3	3.3	3	3.9
FY 2013 EQUIPMENT																	DSA	0.2	3	3.8	3	4.0
TO COMPLETE																			11	15.5	11	15.5

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DM001 DDG MODERNIZATION HM&E WIRELESS COMMUNICATIONS	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL THE WIRELESS COMMUNICATION HM&E UPGRADE IN SUPPORT OF DDG MODERNIZATION.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	0.6	5	1.5			4	1.3	3	1.0	3	1.0	11	3.9	28	9.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									DSA	0.1	2	0.5	3	0.8	3	0.8	3	0.8	17	5.0	28	8.0
TOTAL PROCUREMENT								0.6		1.6		0.5		2.1		1.8		1.8		8.9		17.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED DDG MODERNIZATION HM&E WIRELESS COMMUNICATIONS	MODIFICATION TITLE: DDG MOD

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT								
ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	12-18 Months						
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	JUN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									DSA	0.1	2	0.4									2	0.5
FY 2009 EQUIPMENT											DSA	0.1	3	0.7	2	0.5					5	1.3
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT													DSA	0.1	1	0.3	3	0.7			4	1.1
FY 2012 EQUIPMENT																	DSA	0.1	3	0.7	3	0.8
FY 2013 EQUIPMENT																			3	0.8	3	0.8
TO COMPLETE																			11	3.5	11	3.5

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	0	0	17	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	1	2	0	0	1	2	17	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed within the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED DM003 COMBAT SYSTEMS DDG MOD COMBAT SYSTEMS FOUNDATION	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD

DESCRIPTION/JUSTIFICATION:

FUNDS WILL BE UTILIZED TO PROCURE AND INSTALL CIC DISPLAY UPGRADES, OA COMPUTING PLANT, MK 160 MOD X GUN WEAPON SYSTEMS, MULTI-MISSION SIGPRO, SPY-1D TRANSMITTER UPGRADES, AND MULTI-MISSION BMD CAPABILITY IN SUPPORT OF DDG MODERNIZATION.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT								10.0		33.4	2	98.3	3	136.7	3	136.7	3	137.7	17	1,005.4	28	1,558.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST											DSA	1.1	DSA	5.1	2	23.9	3	33.1	3	247.3	8	310.5
TOTAL PROCUREMENT								10.0		33.4		99.4		141.8		160.6		170.8		1,252.7		1,868.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED COMBAT SYSTEMS DDG MOD COMBAT SYSTEMS FOUNDATION	MODIFICATION TITLE: DDG MOD

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT								
ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	16 Months						
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT											DSA	1.1	DSA	3.0	2	16.9					2	21.0
FY 2011 EQUIPMENT													DSA	2.1	DSA	4.6	3	26.4			3	33.1
FY 2012 EQUIPMENT															DSA	2.4	DSA	5.0	3	34.3	3	41.7
FY 2013 EQUIPMENT																	DSA	1.7	3	39.1	3	40.8
TO COMPLETE																			17	173.9	17	173.9

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	0	0	23	28
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	2	23	28

NOTE: Design Services Allocation (DSA) - Planning Yard design and shipcheck required for mandatory design tasks that must be completed in the two-year period prior to the actual shipyard installations.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED DMCA1 DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD SQQ-89A(V) W/MFTA PROCU	TYPE MODIFICATION:	MODIFICATION TITLE: DDG MOD	
DESCRIPTION/JUSTIFICATION:			
Congressional add for procurement and installation of SQQ-89A(V) with Multi Functional Towed Array.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					2	30.0															2	30.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST																						
TOTAL PROCUREMENT						30.0																30.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
DDG-51 MODERNIZATION PROGRAM CONGRESSIONAL ADD SQQ-89A(V) W/MFTA PROCUREMENT AND INSTALLATION	DDG MOD

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	PUBLIC & PRIVATE SHIPYARD AVAILABILITIES; AIT							
ADMINISTRATIVE LEADTIME:	6 Months	PRODUCTION LEADTIME:	16 Months					
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:	MAR-09	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE FIREFIGHTING EQUIPMENT **SUBHEAD NO. 81HB BLIN: 0910**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	82.3			31.3	17.8	9.1	8.7	12.1	9.4	9.6	9.8	0.0	190.1
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

The Navy decided that a number of survivability improvements needed to be incorporated into mission-essential ship and combat systems during their acquisition and modernization. Shipboard fires have emphasized the urgent need to upgrade features and design standards that contribute to survivability.

HB001 - HALON 1301

Procures new Halon cylinders since existing units (procured FY90 and prior) are no longer suitable for use.

HB002 - MAGAZINE SPRINKLING IMPROVEMENT

Replaces the detection system designed in the 1960s, which performs poorly and is difficult to support and maintain.

HB008 - BREATHING APPARATUS

The firefighter's Self-Contained Breathing Apparatus (SCBA) (HB008) is a compressed air breathing device compatible with firefighter protective wear and helmet, and other damage control equipment. The SCBA is a commercially available device which was tested and certified by the National Institute for Occupational Safety and Health (NIOSH) and is in accordance with the National Fire Protection Association (NFPA) Standard 1981 for a firefighter's breathing apparatus.

The SCBA will provide breathable air to the firefighter for a longer period of time than the OBA, with fewer physical demands on the user. It will provide air at a rate which satisfies breathing requirements of the user for duration of up to one hour. Equipment supporting the SCBA includes: booster pumps for ships with HP air system, portable diesel compressors for all ships when ships power is lost, portable electric compressors for recharging purposes for all ships (ships with HP air systems when HP air is down and all other ships are primary source of recharge air), and a filter kit which provides breathing quality air to the booster pumps/compressors for use in recharging the SCBA air cylinders. Inventory objective is 144. A total of 90 have been procured through FY05, with 54 planned for the budget years. Unit cost varies.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE FIREFIGHTING EQUIPMENT **SUBHEAD NO. 81HB BLIN: 0910**	

HB009 - FIREFIGHTER ACCESS
Provides safe entry for heavily-laden firefighters down the escape trunks of a ship, and provides a method for hoisting the firefighters back up to the damage control deck. Firefighter access is provided in DDG-75 and follow during construction.

HB830 - PRODUCTION ENGINEERING
Development of technical manuals, PMS, Provisioning Technical documentation (PTD), Program Support Data (PSD) and Allowance Parts List (APLs); Engineering in support of design reviews.

HB5IN - NSTALLATION OF EQUIPMENT
Funding is for installation of equipment for the Fleet Modernization Program installations.

HB005-AFFF
Procures and installs equipment to dispense chemicals into AFFF systems to prevent-sulfate reducing bacteria from producing hydrogen sulfide (H2S). H2S is a dangerous gas and is responsible for a fatality aboard ship in 2005.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **FIREFIGHTING EQUIPMENT** **SUBHEAD NO. 81HB**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
HB001	HALON 1301		2,800	6	10.0	60	3	10.0	30	0	0.0	0	0	0.0	0
HB002	MAGAZINE SPRINKLING IMPROVEMENT		0	0	0.0	0	0	0.0	0	1	131.0	131	8	157.0	1,256
HB005	AFFF UPGRADES														
	AFFF IMPROVED FIREFIGHTING		12,000	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	H2 MITIGATION		0	0	0.0	0	1	300.0	300	0	0.0	0	6	200.0	1,200
	AFFF H2S CONTROL VALVES		100	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HB008	BREATHING APPARATUS		52,356	33	402.9	13,296	21	98.4	2,066	0	0.0	0	0	0.0	0
HB009	FIREFIGHTER ACCESS		0	0	0.0	0	2	64.5	129	30	68.2	2,047	14	67.1	939
HB830	PRODUCTION ENGINEERING		745	0	0.0	890	0	0.0	1042	0	0.0	400	0	0.0	5
	TOTAL EQUIPMENT		**68,001**			**14,246**			**3,567**			**2,578**			**3,400**
	INSTALLATION														
HBINS	INSTALL OF EQUIPMENT N85		7,359	0	0.0	7,239	0	0.0	3,766	0	0.0	2,217	0	0.0	3,519
HBINS	INSTALL OF EQUIPMENT N86		7,003	0	0.0	8,831	0	0.0	7,637	0	0.0	4,344	0	0.0	1,778
HBINS	INSTALL OF EQUIPMENT N87		421	0	0.0	965	0	0.0	2,873	0	0.0	0	0	0.0	0
	TOTAL INSTALLATION		**14,783**			**17,035**			**14,276**			**6,561**			**5,297**

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **FIREFIGHTING EQUIPMENT** **SUBHEAD NO. 81HB**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
TOTAL			**82,784**			**31,281**			**17,843**			**9,139**			**8,697**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE FIREFIGHTING EQUIPMENT BLIN: 0910					SUBHEAD 81HB
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HB001										
HALON 1301	6	10.0	DSC RICHMOND		WX	ANSUL FIRE PROTECTION	NOV-05	JAN-06	YES	
HB008										
BREATHING APPARATUS	33	402.9	NSWC CSS, FL		RX	GSA SCHEDULE COTS	NOV-05	JAN-06	YES	
FY 2007										
HB001										
HALON 1301	3	10.0	DSC RICHMOND		WX	ANSUL FIRE PROTECTION	NOV-06	JAN-07	YES	
HB005 AFFF UPGRADES										
H2 MITIGATION	1	300.0	NAVSEA		RX	TBD	JUL-07	DEC-07		
HB008										
BREATHING APPARATUS	21	98.4	NSWC CSS, FL		RX	GSA SCHEDULE COTS	NOV-06	JAN-07	YES	
HB009										
FIREFIGHTER ACCESS	2	64.5	NSWC CSS, FL		WX	TBD	MAR-07	MAY-07	YES	
FY 2008										
HB002										
MAGAZINE SPRINKLING IMPROVEMENT	1	131.0	NAVSEA		RX	TBD				
HB009										
FIREFIGHTER ACCESS	30	68.2	NSWC CSS, FL		WX	TBD			YES	
FY 2009										
HB002										
MAGAZINE SPRINKLING IMPROVEMENT	8	157.0	NAVSEA		RX	TBD				
HB005 AFFF UPGRADES										
H2 MITIGATION	6	200.0	NAVSEA		RX	TBD				

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE FIREFIGHTING EQUIPMENT BLIN: 0910**				**SUBHEAD 81HB**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HB009 FIREFIGHTER ACCESS	14	67.1	NSWC CSS, FL		WX	TBD			YES	

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB001 HALON 1301	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
HALON 1301 procures new Halon cylinders since existing units (procured FY90 and prior) are no longer suitable for use.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	310	2.8	6	0.1	3	0.1															319	3.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	299	20.6	9	0.8	10	1.0	1	0.2													319	22.6
TOTAL PROCUREMENT		23.4		0.9		1.1		0.2														25.6

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
HALON 1301	FIREFIGHTING EQUIPMENT

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			VAR						
ADMINISTRATIVE LEADTIME:			12 Months	PRODUCTION LEADTIME:		2 Months			
CONTRACT DATES:		FY 2006:	NOV-05	FY 2007:	NOV-06	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	JAN-06	FY 2007:	JAN-07	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	299	20.6	3	0.3	7	0.8	1	0.2													310	21.9
FY 2006 EQUIPMENT			6	0.5																	6	0.5
FY 2007 EQUIPMENT					3	0.2															3	0.2
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	299	1	4	3	1	4	2	4	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319
Out	299	0	1	4	3	1	5	4	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	319

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB002 MAGAZINE SPRINKLING IMPROVEMENT	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
MAGAZINE SPRINKLING IMPROVEMENT REPLACES THE DETECTION SYSTEM DESIGNED IN THE 1960s, WHICH PERFORMS POORLY AND DIFFICULT TO SUPPORT AND MAINTAIN.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							1	0.1	8	1.3	16	3.5	3	0.4	12	3.4	10	3.0	7	11.7	57	23.4
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							AP	0.2	1	0.8	9	4.5	15	8.9	9	6.1	11	6.7	12	22.0	57	49.2
TOTAL PROCUREMENT								0.3		2.1		8.0		9.3		9.5		9.7		33.7		72.6

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED MAGAZINE SPRINKLING IMPROVEMENT							MODIFICATION TITLE: FIREFIGHTING EQUIPMENT		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPALT						
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							AP	0.2	1	0.8											1	1.0
FY 2009 EQUIPMENT											8	4.1									8	4.1
FY 2010 EQUIPMENT											1	0.4	15	8.9							16	9.3
FY 2011 EQUIPMENT															3	1.2					3	1.2
FY 2012 EQUIPMENT															6	4.9	6	4.6			12	9.5
FY 2013 EQUIPMENT																	5	2.1	5	6.5	10	8.6
TO COMPLETE																			7	15.5	7	15.5

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4	2	1	5	5	4	0	3	3	3	3	3	3	2	12	57
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	3	4	2	1	5	5	4	0	3	3	3	3	3	3	14	57

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB005 AFFF UPGRADES AFFF H2S CONTROL VALVES	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
AFFF H2S Control Valves relocates and adds control valves to isolate areas most susceptible to producing H2S.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT		0.1																				0.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					3	1.5	1	0.6	2	1.0											6	3.1
TOTAL PROCUREMENT		0.1				1.5		0.6		1.0												3.2

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED AFFF UPGRADES AFFF H2S CONTROL VALVES								MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPALT-AIT						
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT					3	1.5															3	1.5
FY 2007 EQUIPMENT							1	0.6													1	0.6
FY 2008 EQUIPMENT									2	1.0											2	1.0
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	1	0	1	1	0	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6
Out	0	0	0	0	0	1	0	0	2	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB005 AFFF UPGRADES AFFF IMPROVED FIREFIGHTING	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
AFFF systems are improved to the Balanced Pressure Proportioner Type and receive dedicated Automatic Bus Transfer. This program completes in FY 08.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	34	12.0																			34	12.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	26	30.5	1	1.4	6	7.0	1	1.4													34	40.3
TOTAL PROCUREMENT		42.5		1.4		7.0		1.4														52.3

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED AFFF UPGRADES AFFF IMPROVED FIREFIGHTING								MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPALT-AIT						
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	26	30.0	1	1.4	6	7.0	1	1.4													34	39.8
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	26	0	0	0	1	3	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34
Out	26	0	0	0	1	3	1	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB005 AFFF UPGRADES H2 MITIGATION	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
AFFF H2S Mitigation procures and installs equipment to dispense chemicals into AFFF systems to prevent-sulfate reducing bacteria from producing hydrogen sulfide (H2S), a dangerous gas.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					1	0.3			6	1.2	3	0.6									10	2.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					AP	0.2	1	1.1	6	2.0	3	0.9									10	4.2
TOTAL PROCUREMENT						0.5		1.1		3.2		1.5										6.3

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED AFFF UPGRADES H2 MITIGATION							MODIFICATION TITLE: FIREFIGHTING EQUIPMENT		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPALT-AIT						
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:		FY 2007:	JUL-07	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					AP	0.2	1	1.1													1	1.3
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT									6	2.0											6	2.0
FY 2010 EQUIPMENT											3	0.9									3	0.9
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	0	3	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	2	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	10

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB008 BREATHING APPARATUS	TYPE MODIFICATION:	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	
DESCRIPTION/JUSTIFICATION:			
The SCBA will provide breathable air to the Fire Fighter for a longer period of time than the OBA with reduced physical demands on the user.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	90	52.4	33	13.3	21	2.1															144	67.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	89	60.8	32	14.8	23	4.3															144	79.9
TOTAL PROCUREMENT		113.2		28.1		6.4																147.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED BREATHING APPARATUS	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT

INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			AIT					
ADMINISTRATIVE LEADTIME:		30 Months		PRODUCTION LEADTIME:	3-4 Months			
CONTRACT DATES:		FY 2006:	NOV-05	FY 2007:	NOV-06	FY 2008:		FY 2009:
DELIVERY DATES:		FY 2006:	JAN-06	FY 2007:	JAN-07	FY 2008:		FY 2009:

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	89	60.8	1	1.3																	90	62.1
FY 2006 EQUIPMENT			31	13.5	2	1.0															33	14.5
FY 2007 EQUIPMENT					21	3.3															21	3.3
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	89	6	8	9	9	1	10	8	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144
Out	89	6	8	9	7	3	10	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	144

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HB009 FIREFIGHTER ACCESS	TYPE MODIFICATION: SHIPALT	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT	

DESCRIPTION/JUSTIFICATION:

Firefighter access provides safe entry for heavily-laden firefighters down the escape trunks of a ship and provides a method for hoisting the firefighters back up to the damage control deck. Firefighter access is provided in DDG-75 and follow during construction.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					2	0.1	30	2.0	14	0.9	5	0.3									51	3.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					2	0.3	30	3.0	14	1.4	5	0.6									51	5.3
TOTAL PROCUREMENT						0.4		5.0		2.3		0.9										8.6

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED FIREFIGHTER ACCESS	MODIFICATION TITLE: FIREFIGHTING EQUIPMENT
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	SHIPALT - AIT
ADMINISTRATIVE LEADTIME:	1 Months
PRODUCTION LEADTIME:	2 Months

CONTRACT DATES:		FY 2006:		FY 2007:	MAR-07	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:	MAY-07	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					2	0.3															2	0.3
FY 2008 EQUIPMENT							30	3.0													30	3.0
FY 2009 EQUIPMENT									14	1.4											14	1.4
FY 2010 EQUIPMENT											5	0.6									5	0.6
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	2	0	6	12	12	0	4	5	5	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51
Out	0	0	0	0	0	0	0	0	2	0	6	12	12	0	4	5	5	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	51

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE COMMAND AND CONTROL SWITCHBOARD **SUBHEAD NO. 81GE BLIN: 0925**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	45.3	A		2.8	2.7	2.2	2.3	2.0	2.0	2.1	2.1	0.0	63.5
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

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

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

Changes in other elements of the combat and IC systems will frequently mandate either conjunctive modification to switchboards via ship change documents (SCDs), ordnance alteration (ORDALTI)/field change (FCs) or partial or complete replacement of existing switchboards. Typical switchboard mods include hardware/field change kits, ORDALT/SCD/FC instructions, technical manual updates and revisions to other supporting documentation. Hull unique switchboard configurations require hull unique documentation, subsequently alterations to these switchboards require hull unique design, hardware, installation, and checkout procedures. New Switchboards are normally installed during a regular overhaul by a shipyard.

Command and control switchboards are currently installed on and are required for almost all surface combatants and amphibious warfare ships. Individual switchboard unit cost varies from ship to ship,
depending upon size, complexity, and whether analog or digital interfaces or some combination thereof are utilized. Modifications to existing switchboards via SHIPALTs, SCDs, ORDALTs or Field Changes are quantified
by kits or change packages rather than individual units. Switchboard hardware is normally procured by the Invitation For Bids (IFB) process, from manufacturers on Qualified Products List (QPL)-17000.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE COMMAND AND CONTROL SWITCHBOARD **SUBHEAD NO. 81GE BLIN: 0925**	

There are currently six companies listed on QPL-17000. All contracts awarded are competitive, fixed price.

PUC GE003

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

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **COMMAND AND CONTROL SWITCHBOARD** **SUBHEAD NO. 81GE**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
GE003	ENGINEERING UPGRADES/MODIFICATIONS TO EQUIPM		0	0	0.0	2,511	0	0.0	2,412	0	0.0	1,926	0	0.0	1,990
GE003	COMMAND & CONTROL ORDALT/FIELD CHANGE KITS	A	45,298	19	15.9	303	15	18.0	270	11	24.2	266	12	25.0	300
	TOTAL EQUIPMENT		**45,298**			**2,814**			**2,682**			**2,192**			**2,290**
TOTAL			**45,298**			**2,814**			**2,682**			**2,192**			**2,290**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE COMMAND AND CONTROL SWITCHBOARD BLIN: 0925**				**SUBHEAD 81GE**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
GE003										
COMMAND & CONTROL ORDALT/FIELD CHANGE KITS	19	15.9	PHD NSWC		FFP	AMSEC/OXNARD, CA	OCT-05	DEC-05	YES	
FY 2007										
GE003										
COMMAND & CONTROL ORDALT/FIELD CHANGE KITS	15	18.0	PHD NSWC		FFP	CACI/OXNARD, CA	OCT-06	NOV-06	YES	
FY 2008										
GE003										
COMMAND & CONTROL ORDALT/FIELD CHANGE KITS	11	24.2	PHD NSWC		FFP	CACI/OXNARD, CA	OCT-07	NOV-07	YES	
FY 2009										
GE003										
COMMAND & CONTROL ORDALT/FIELD CHANGE KITS	12	25.0	PHD NSWC		FFP	CACI/OXNARD, CA	OCT-08	NOV-08		JUN-07

CLASSIFICATION:	**UNCLASSIFIED**		
EXHIBIT P-21, PRODUCTION SCHEDULE			DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		Weapon System	P-1 LINE ITEM NOMENCLATURE **COMMAND AND CONTROL SWITCHBOARD BLI: 0925**

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2006												FISCAL YEAR 2007												BAL
						CY 2005			CALENDAR YEAR 2006												CALENDAR YEAR 2007									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008												FISCAL YEAR 2009												BAL
						CY 2007			CALENDAR YEAR 2008												CALENDAR YEAR 2009									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

CLASSIFICATION: UNCLASSIFIED

Exhibit P-23, TIME PHASED REQUIREMENT SCHEDULE COMMAND & CONTROL ORDALT/FIELD CHANGE KITS GE003	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 1**	P-1 LINE ITEM NOMENCLATURE **COMMAND AND CONTROL SWITCHBOARD (81GE)**	DATE **February 2007**

		FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY		4	8	4	3	1	2	2	10	2	3	3	3	4	2	1	5	4	2	3	2	2	3	4	2	2	3	2	4	3	4	3	1	0
SCHOOL/OTHER TRAINNING																																		
OTHER																																		
TOTAL PHASED REQ	0	4	12	16	19	20	22	24	34	36	39	42	45	49	51	52	57	61	63	66	68	70	73	77	79	81	84	86	90	93	97	100	101	101
ASSETS ON HAND																																		
DELIVERY																																		
FY 05 & PRIOR																																		
FY 06		4	8	4	3																													
FY 07						1	2	2	10																									
FY 08										2	3	3	3																					
FY 09														4	2	1	5																	
FY 10																		4	2	3	2													
FY 11																						2	3	4	2									
FY 12																										2	3	2	4					
FY 13																														3	4	3	1	
TC																																		0
TOTAL ASSETS	0	4	12	16	19	20	22	24	34	36	39	42	45	49	51	52	57	61	63	66	68	70	73	77	79	81	84	86	90	93	97	100	101	101
QTY OVER(+) OR SHORT(-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REMARKS:

	TOTAL RQMT	INSTALLED ON 10/05	ON HAND AS OF 10/05	FY 05 & PRIOR UNDELIVERED	UNFUNDED
APPN OPN	153	2	2	0	0
APPN					
APPN					

PROC LEADTIME mos	ADMIN VAR mos	INITIAL ORDER VAR mos	REORDER VAR mos

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE COMMAND AND CONTROL SWITCHBOARD						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent PHD							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2006								FY 2007							
CG 60	1	CG 54	1	LHD 4	1	CVN 75	1	CG 73	1	LHA 1	1	CG 62	1	CG 52	1
LPD 15	1	CG 67	1	CG 56	1	CVN 72	1			LHA 5	1	CVN 71	1	CG 55	2
FFG 49	1	CG 71	1	CG 64	1	CG 68	1							CG 58	1
CVN 73	1	LHD 6	1	CG 70	1									CG 67	1
		LSD 48	1											LHD 7	1
		LHD 3	1											LHD 2	3
		FFG 42	1											CVN 75	1
		CVN 68	1												
FY 2008								FY 2009							
CG 67	2	CG 72	1	CG 69	1	CG 63	2	CG 56	1	CG 52	2	LHD 3	1	CG 64	1
		LHD 6	2	CG 57	1	CG 65	1	CG 59	2					CG 60	2
				CVN 74	1			CG 61	1					CG 62	2

CLASSIFICATION: UNCLASSIFIED			
Exhibit P-23A, Installation Data		P-1 LINE ITEM NOMENCLATURE COMMAND AND CONTROL SWITCHBOARD	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1		Installing Agent PHD	

1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2010								FY 2011							
LHD 7	2	CG 65	1	CG 53	3	CG 71	1	CG 69	1	CG 70	1	CG 54	2	CG 57	2
CVN 70	2	CG 72	1			LHD 5	1	MCM 2	1	LHD 1	1	CG 56	2		
										MCM 13	1				
FY 2012								FY 2013							
MCM 5	1	CVN 75	3	CG 72	2	CG 59	2	CG CLASS	3	CVN CLASS	4	LHD CLASS	3	LHA CLASS	1
MCM 12	1					CG 60	2								

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT **SUBHEAD NO. 81HF BLIN: 0935**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	160.2			32.4	27.8	25.2	28.0	27.9	28.4	28.9	29.4	15.0	403.2
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

POLLUTION CONTROL SYSTEMS/EQUIPMENT: This item provides funds for the procurement of pollution control systems and equipment that are required by Navy ships in order for them to comply with international regulations, federal laws, DOD Directives and Navy environment protection regulations. These regulations, laws and directives restrict the discharge of oily wastes, sewage, solid waste, plastic waste, medical waste and hazardous waste. Most of these applicable regulations require Navy ships to comply by fixed deadline dates. Failure to comply carries potential personal, civil, and criminal liability, and significantly imposes constraints on the operational capabilities of Navy ships. In some instances, the compliance schedule has required an acceleration of the normal schedules in the procurement process.

HF024 - CFC CONVERSION PROGRAM

The production of CFC-based refrigerants (including CFC-12, and CFC-114) was prohibited after 31 DEC 95 by the Clean Air Act of 1990. Presidential Executive Order 12843 of 21 APR 93 calls for federal agencies to "maximize the use of safe alternatives to ozone-depleting substances". OPNAVINST 5909.1B dated 1 NOV 94 further requires the "reduction of the use and emission of (ozone-depleting substances) to the lowest achievable level". The Navy is currently dependent on CFC-based refrigerants for the mission-critical cooling of (1) vital electronics and weapon systems, (2) food and medical stowage, and (3) inhabited spaces aboard surface ships and submarines. To counter the immediate threat of production cessation on uninterrupted Fleet operations, DoD directed the Defense Logistics Agency to establish a stockpile of CFC-based refrigerants. The stockpile was sized to support Fleet operations until the last CFC based systems are retired or converted to ozone-friendly refrigerants. This program procures and installs conversion kits on existing CFC-12 air conditioning (A/C), CFC-12 Refrigeration and CFC-114 A/C plants onboard surface ships and submarines. The CFC-12 conversion programs began in FY 94 and are expected to complete FY 06. The CFC-114 conversion program began in FY 99 and is expected to complete in FY 14. Inventory Objective for CFC-12 A/C is 262, for CFC-12 Refrigeration is 572 and for CFC-114 is 438. Total program cost is estimated at $400M.

HF028 - POLLUTION PREVENTION AFLOAT

This program procures and installs a suite of pollution prevention equipment which will produce life cycle cost savings to the Fleet through reduction in the quantity of Hazardous materials used aboard ship, and the amounts of used/excess hazardous material offloaded to shore activities and subsequently disposed of as hazardous waste. The reduction of used/excess hazardous material offloads also will assist shore activities in meeting pollution prevention and community right-to-know requirements under Executive Order 12856, and enhance the Navy's response to the greening the government requirements under Executive Order 13148. Savings will also be realized in reduced Fleet manhours to accomplish specific maintenance processes, and in the reduced amount of consumables required for specific Fleet maintenance actions. Installation of these suites of equipment began in FY00 and is expected to end in FY05. Inventory objective is 152. Total program cost is estimated at $29M.

HF830 - PRODUCTION ENGINEERING

The development, review and approval of any production contact technical document in support of the CFC Conversion Program and the Pollution Prevention Afloat Installation Program. This documentation will include Technical Manuals, PMS, EOSS, Level III production drawings, Provisional Technical Documentation (PTD), Program Support Data (SPD), and Allowance Parts Lists (APL). Also included is engineering support of design reviews.

HF031 - POLLUTION CONTROL EQUIPMENT FIELD CHANGES

Funds field changes for reliability and maintainability improvements and corrections for various conventional pollution control equipment including Vacuum and Gravity Sewage Collection Holding and Transfer (CHT) Systems, Oil Pollution Abatement (OPA) Equipment, and Solid Waste Equipment (SWE).

MachAlt 530 replaces existing failure-prone sewage pump mechanical seals with new technology pressurized cartridge mechanical seals. The new seal will significantly extend the service life of sewage pumps seals and reduce the need for Sailors to routinely handle and change out sewage-contaminated seal oil. The new sensors will have a significantly extended service life. Return on investment for the MachAlt 530 is less than three years per installation.

MachAlt 532 replaces existing failure-prone mercury float switches used in sewage holding tanks with COTS technology, non-intrusive, magnetic level sensors. The new sensors will have a significantly extended service life, will not require sewage tank opening to repair sensor failures, and will not require hazardous material (mercury) disposal upon failure. Return on investment for the MachAlt 530 is less than two years per installation.

SHORE BASED POLLUTION EQUIPMENT

The Shorebased funds provide for equipment required to clean up Navy oil spills on the open sea as required by the Federal Waste Pollution Control Act - Public Law 92-500. The law created a National Oil and Hazardous Substance Pollution Contingency Plan, and designates the Department of Defense as one of the primary agencies responsible for promotion of effective operation of the plan. OPNAVINST 5090.1A and NAVSEAINST 4740.8A assign the Supervisor of Salvage the responsibility to provide technical expertise, resources, and equipment for cleaning Navy-originated spills of oil and other hazardous material in coastal waters or the open sea. Major items of procurement are:

HF033 - OIL STORAGE BLADDERS

These are large, 25 to 280 gallon, bouyant, flexible rubber cylinders which serve as interim containers/gravity separators for recovered oil and emulsion pending arrival of the often difficult to obtain tank barges. Required I/O is 31.

HF038 - FENDER SYSTEMS
Fender are large energy aborbing cushions placed between two vessles to prevent related motions damage. There are up to 4 fenders per system. Required I/O is 22 systems.

HF040 - SUPPORT SYSTEMS
These systems include those auxiliary systems required to keep the oil spill responders operating in the field. These systems include equipment required for command and control, communication, supply, personnel transfer craft, GPS asset tracking, repair, supply, offloading, deployment, firefighting, demobilization, and other ancillary requirements of a spill response.
Required I/O is 88.

HF042 - BOOM TENDING BOATS (INFLATABLE)
Outboard powered inflatable boats 19' and 23' in length capable of operating in a wide variety of weather and sea conditions. These inflatable boats are better suited to open ocean operations than the rigid boats due to increased portability and operator safety. The boats are used for inspection and in-place maintenance of the moored boom systems and to provide for personnel and cargo transport throughout a spill response operations area. Required I/O is 20.

HF051 - OIL BOOM SYSTEMS
These systems consist of 2,000' of inflatable oil boom, or 750' of fireboom with protective hardware, or 5000' of shallow water boom for use in protected areas, including all associated equipment required to store, inflate, deploy, recover, and repair the boom. Inflatable boom systems also include 150' of shoreline transition boom to cross the beach/breaker area. The systems are packaged in 8' x 8' x 20' shipping containers. Required I/O is 82.

HF054 - BEACH TRANSFER SYSTEMS
These systems consist of an all-terrain tractor with trailer and two all-terrain vehicles with support equipment packaged in an 8' x 8' x 20' shipping container. The system transports equipment and materials to otherwise inaccessible soft beach and mud areas of a spill response. Required I/O is 8.

HF055 - SALVAGE SKIMMER SYSTEMS

These systems are a collection of small, special-purpose skimmers, dispersant spray systems, containment boom, shoreline transition boom, transfer pumps, storage tanks, sorbents, and ancillary equipment intended as a stand-alone response package for small, salvage-related spills inside and adjacent to ships or inland locations, or special remote tankers offloading locations. Required I/O is 25.

HF056 - EQUIPMENT CLEAN-UP SYSTEMS

These systems provide for the extensive cleaning of equipment prior to demobilization at a response site. The system provides a full array of all tools and materials required for efficient cleaning and demobilization of response assets. Required I/O is 8.

HF057 - LOGISTICS SUPPORT SYSTEMS

Logistics Support Systems are used to assist in disposal of removed oil and debris. These systems include: vacuum systems, floating hose systems, oil bladder transfer systems, debris handling systems, bladder systems, incinerator systems, oil/water separator systems, steam generator systems, and material transfer systems. Required I/O is 93.

HF058 - ARTIC OIL RECOVERY SYSTEMS

This system is designed to recover oil in an arctic environment where specific weather conditions render normal skimmer recovery methods useless. Required I/O is 6.

HF059 - BOOM MOORING SYSTEMS (DEEP WATER EXTENSION)

This system is used to extend the depth in which the existing boom mooring systems can be used from 200' to 600' allowing use of diversionary boom in deep water applications. Required I/O is 60.

HF060 - HOT TAP SYSTEMS

Designed to allow penetration into tanks below the waterline. The hot tap is a system that secures a device to the hull, cuts through shell plating and allows installation of a valve to permit pumping. Two types are required for Diver Deployable shallow work and another ROV Deployable version for deployment at depth. This allows lightering or removal of oil from a vessel without tank access above the waterline. Required I/O is 10.

HF061 - VISCOUS OIL TRANSFER SYSTEMS

Oil that weathers, emulsifies, or mixes with other contaminants will become thick and viscous to the point that regular centrifugal pumping systems will not move the oil. The viscous oil pumping system is a different type of pump with peripherals to allow the pumping of this type of oil. Required I/O is 32.

HF062 - SUBMERSIBLE 6' HYDRAULIC PUMPING SYSTEMS
This system allows the lightening of oil from tanks aboard ships whose transfer systems are inoperative. The pump size selected allows for insertion into various tanks from topside access hatches. Required I/O is 36.

HF063 - VESSEL OF OPORTUNITY (VOSS) SKIMMING SYSTEMS
The VOSS is a skimming system which can be used aboard any vessel with enough deck space to support the operating equipment. It allows skimming capability in locations where traditional skimmers may not be practicable, such as offshore or in extremely inclement weather. It may be a belt, disk, wire or rope mop type skimmer. Required I/O is 17.

HF064 - MODULAR BARGE SYSTEMS
This system creates a temporary storage capability for recovered oil. Oil can be transferred from skimmers as well as oil bladders to further transfer to shoreside facilities or large tank barge. Oil can also be transferred between oil bladders. The systems also allows for deck spaces upon which to set up other support systems or barge sections to incorporate future support systems. Required I/O is 4.

HF065 - BOARDING KITS
This is designed to be placed aboard a vessel with no power or support services for personnel. It contains all the equipment necessary to support a team of salvors and pollution response personnel while working aboard a "dead" tanker. Required I/O is 10.

HF030-PLASTIC WASTE PROCESSORS
Machalt ECP 600, Mod 1 and SHIPALT 2027 Backfit, installs improved plastic waste processors (PWPs) on all surface ships that currently have the baseline system installed. Improves the compression drive system, Incorporates a self-cleaning feature, has a redesigned frame that is more opn allowing easier access for cleaning, has 34 percent fewer components, and a process rate that is three times the original design. Upon completion of the installation program, annual operational, preventive maintenance, corrective maintenance and overhaul cost savings of $11.7M are anticipated. Return on investment for the Mod 1 PWP is approximately two years per installation. Inventory objective is 54.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **POLLUTION CONTROL EQUIPMENT** **SUBHEAD NO. 81HF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
HF024	CFC-114 (R-114) AC CONVERSION		2,124	3	117.3	352	0	0.0	0	0	0.0	0	0	0.0	0
HF028	PREVENTION AFLOAT		3,607	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF031	POLLUTION CONTROL EQUIPMENT FIELD CHANGES		2,059	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF033	OIL STORAGE BLADDER		314	1	130.0	130	1	336.0	336	0	0.0	0	1	328.0	328
HF038	FENDER SYSTEMS		600	0	0.0	0	0	0.0	0	2	288.0	576	0	0.0	0
HF040	SUPPORT SYSTEMS		510	3	46.7	140	2	108.0	216	3	110.0	330	2	115.0	230
HF042	BOOM TEND BOATS (INFLATABLE)		105	1	106.0	106	0	0.0	0	0	0.0	0	1	110.0	110
HF051	OIL BOOM SYSTEMS		2,144	4	283.0	1,132	3	291.0	873	4	301.0	1,204	4	320.3	1,281
HF054	BEACH TRANSFERSYSTEMS		0	1	90.0	90	0	0.0	0	1	98.0	98	1	104.0	104
HF055	SALVAGE SKIMMER SYSTEMS		228	0	0.0	0	1	117.0	117	2	125.0	250	0	0.0	0
HF056	EQUIPMENT CLEAN-UP SYSTEMS		0	1	110.0	110	0	0.0	0	0	0.0	0	0	0.0	0
HF057	LOGISTICS SUPPORT SYSTEMS		788	2	205.0	410	2	208.0	416	1	222.0	222	3	225.0	675
HF058	ARTIC OIL RECOVERY SYSTEMS		429	0	0.0	0	1	443.0	443	0	0.0	0	1	453.0	453

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **POLLUTION CONTROL EQUIPMENT** **SUBHEAD NO. 81HF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
HF059	BOOM MOORING SYSTEMS		93	6	15.0	90	0	0.0	0	4	19.0	76	0	0.0	0
HF060	HOT TAP SYSTEMS		251	2	86.0	172	1	88.0	88	0	0.0	0	3	91.0	273
HF061	VISCOUS OIL TRANSFER SYSTEMS		121	0	0.0	0	2	124.0	248	0	0.0	0	1	126.0	126
HF062	SUBMERSIBLE 6' HYD PUMP SYS		346	3	90.0	270	2	92.0	184	2	94.0	188	2	96.0	192
HF063	VOSS SKIMMER SYSTEMS		320	0	0.0	0	1	343.0	343	1	358.0	358	1	366.0	366
HF064	MODULAR BARGE SYSTEMS		0	1	678.0	678	0	0.0	0	1	694.0	694	0	0.0	0
HF065	BOARDING KITS		51	0	0.0	0	0	0.0	0	1	56.0	56	1	56.0	56
HF830	PRODUCTION ENGINEERING		1,961	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF830	PRODUCTION ENGINEERING		1,561	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF024	CFC-12 (R-12) AC CONVERSION		230	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF024	CFC-114 (R-114) AC CONVERSION		7,815	8	356.1	2,849	4	478.5	1,914	2	870.5	1,741	6	595.5	3,573
HF024	CFC-12(R-12)REFER CONVERSION		771	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF030	PWP														
	PLASTIC WASTE PROCESSORS		0	0	0.0	359	0	0.0	730	0	0.0	700	0	0.0	602
HF031	POLLUTION CONTROL EQUIPMENT FIELD CHANGES		2,799	0	0.0	157	0	0.0	713	0	0.0	982	0	0.0	0
HF830	PRODUCTION ENGINEERING		2,091	0	0.0	293	0	0.0	95	0	0.0	193	0	0.0	197

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **POLLUTION CONTROL EQUIPMENT** **SUBHEAD NO. 81HF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
HF024	CFC-114 (R-114) AC CONVERSION		17,443	17	349.9	5,948	16	523.2	8,371	14	538.4	7,537	14	545.7	7,640
HF024	CFC-12(R-12)REFER CONVERSION		2,003	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF030	PWP														
	PLASTIC WASTE PROCESSORS		0	0	0.0	2,661	0	0.0	400	0	0.0	520	0	0.0	1,880
HF031	POLLUTION CONTROL EQUIPMENT FIELD CHANGES		9,330	0	0.0	2,202	0	0.0	339	0	0.0	200	0	0.0	2,247
HF830	PRODUCTION ENGINEERING		2,696	0	0.0	587	0	0.0	848	0	0.0	756	0	0.0	765
HF024	CFC-12(R-12)REFER CONVERSION		895	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF031	POLLUTION CONTROL EQUIPMENT FIELD CHANGES		444	0	0.0	0	0	0.0	0	0	0.0	136	0	0.0	0
HF830	PRODUCTION ENGINEERING		146	0	0.0	82	0	0.0	0	0	0.0	0	0	0.0	0
HF024	CFC-114 (R114)AC CONVERSION		5,673	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HF030	PWP														
	PLASTIC WASTE PROCESSORS		0	0	0.0	0	18	87.0	1,566	12	49.2	590	0	0.0	0
HF031	POLLUTION CONTROL EQUIPMENT FIELD CHANGES		616	0	0.0	10	0	0.0	0	0	0.0	0	0	0.0	365
HF830	PRODUCTION ENGINEERING		772	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	TOTAL EQUIPMENT		**71,336**			**18,828**			**18,240**			**17,407**			**21,463**
	INSTALLATION														

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **POLLUTION CONTROL EQUIPMENT** **SUBHEAD NO. 81HF**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
HF4IN	N422 AUXILLIARIES		1,313	0	0.0	1,168	0	0.0	0	0	0.0	0	0	0.0	0
HF4IN	N452 ENVIRONMENTAL COMPLIANCE		7,916	0	0.0	1,510	0	0.0	0	0	0.0	0	0	0.0	0
HF5IN	N85 EXPENDITIONARY WARFARE		19,692	0	0.0	619	0	0.0	2,040	0	0.0	1,386	0	0.0	828
HF6IN	N86 SURFACE WARFARE		19,105	0	0.0	5,002	0	0.0	6,676	0	0.0	5,070	0	0.0	5,378
HF7IN	N87 SUBMARINE WARFARE		4,964	0	0.0	130	0	0.0	0	0	0.0	200	0	0.0	200
HF8IN	INSTALL OF EQUIPMENT N88		35,860	0	0.0	5,192	0	0.0	822	0	0.0	1,156	0	0.0	154
	TOTAL INSTALLATION		**88,850**			**13,621**			**9,538**			**7,812**			**6,560**
TOTAL			**160,186**			**32,449**			**27,778**			**25,219**			**28,023**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLIN: 0935				SUBHEAD 81HF	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HF024										
CFC-114 (R-114) AC CONVERSION	3	117.3	MSC		FFP	VARIOUS	JAN-06	JUL-06	YES	
HF033										
OIL STORAGE BLADDER	1	130.0	WASHINGTON, DC	JAN-01	C./PAF	GPC; IRVINE, CA	MAR-06	OCT-07	YES	
HF040										
SUPPORT SYSTEMS	3	46.7	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE, CA	MAR-06	SEP-06	YES	
HF042										
BOOM TEND BOATS (INFLATABLE)	1	106.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE,CA	MAR-06	DEC-06	YES	
HF051										
OIL BOOM SYSTEMS	4	283.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE,CA	MAR-06	JUN-07	YES	
HF054										
BEACH TRANSFERSYSTEMS	1	90.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE, CA	MAR-06	AUG-06	YES	
HF056										
EQUIPMENT CLEAN-UP SYSTEMS	1	110.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE, CA	MAR-06	NOV-06	YES	
HF057										
LOGISTICS SUPPORT SYSTEMS	2	205.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE,CA	MAR-06	JAN-07	YES	
HF059										
BOOM MOORING SYSTEMS	6	15.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE,CA	MAR-06	SEP-06	YES	
HF060										
HOT TAP SYSTEMS	2	86.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE, CA	MAR-06	FEB-07	YES	
HF062										
SUBMERSIBLE 6' HYD PUMP SYS	3	90.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE,CA	MAR-06	FEB-07	YES	
HF064										
MODULAR BARGE SYSTEMS	1	678.0	WASHINGTON, DC	JAN-01	C/CPAF	GPC; IRVINE, PA	MAR-06	JUN-07	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLIN: 0935					SUBHEAD 81HF
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HF024										
CFC-114 (R-114) AC CONVERSION	8	356.1	NSW PHILA, PA		FFP	YORK INT'L, PA	JAN-06	JAN-07	YES	
CFC-114 (R-114) AC CONVERSION	17	349.9	NSW PHILA, PA		FFP	YORK INT'L, PA	JAN-06	JAN-07	YES	
FY 2007										
HF033										
OIL STORAGE BLADDER	1	336.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	OCT-07	YES	
HF040										
SUPPORT SYSTEMS	2	108.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	SEP-07	YES	
HF051										
OIL BOOM SYSTEMS	3	291.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	AUG-07	YES	
HF055										
SALVAGE SKIMMER SYSTEMS	1	117.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	AUG-07	YES	
HF057										
LOGISTICS SUPPORT SYSTEMS	2	208.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	JAN-08	YES	
HF058										
ARTIC OIL RECOVERY SYSTEMS	1	443.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	MAR-08	YES	
HF060										
HOT TAP SYSTEMS	1	88.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	FEB-08	YES	
HF061										
VISCOUS OIL TRANSFER SYSTEMS	2	124.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	APR-08	YES	
HF062										
SUBMERSIBLE 6' HYD PUMP SYS	2	92.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	FEB-08	YES	
HF063										
VOSS SKIMMER SYSTEMS	1	343.0	WASHINGTON, DC	JAN-01	C/CPAF	TBD	FEB-07	FEB-08	YES	
HF024										
CFC-114 (R-114) AC CONVERSION	4	478.5	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-07	JAN-08	YES	
CFC-114 (R-114) AC CONVERSION	16	523.2	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-07	JAN-08	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLIN: 0935				SUBHEAD 81HF	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HF030 PWP										
PLASTIC WASTE PROCESSORS	18	87.0	NSWC PHILA, PA		FFP	FLIGHTFAB, MD	JAN-07	MAY-07	YES	
FY 2008										
HF038										
FENDER SYSTEMS	2	288.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	OCT-08	YES	
HF040										
SUPPORT SYSTEMS	3	110.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	SEP-08	YES	
HF051										
OIL BOOM SYSTEMS	4	301.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	AUG-08	YES	
HF054										
BEACH TRANSFERSYSTEMS	1	98.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	AUG-08	YES	
HF055										
SALVAGE SKIMMER SYSTEMS	2	125.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	AUG-08	YES	
HF057										
LOGISTICS SUPPORT SYSTEMS	1	222.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	JAN-09	YES	
HF059										
BOOM MOORING SYSTEMS	4	19.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	SEP-08	YES	
HF062										
SUBMERSIBLE 6' HYD PUMP SYS	2	94.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	FEB-09	YES	
HF063										
VOSS SKIMMER SYSTEMS	1	358.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	FEB-09	YES	
HF064										
MODULAR BARGE SYSTEMS	1	694.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	JUN-09	YES	
HF065										
BOARDING KITS	1	56.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-08	NOV-08	YES	
HF024										
CFC-114 (R-114) AC CONVERSION	2	870.5	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-08	JAN-09	YES	
CFC-114 (R-114) AC CONVERSION	14	538.4	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-08	JAN-09	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLIN: 0935					SUBHEAD 81HF
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HF030 PWP										
PLASTIC WASTE PROCESSORS	12	49.2	NSWC PHILA, PA		FFP	FLIGHTFAB, MD	JAN-08	MAY-08		
FY 2009										
HF033										
OIL STORAGE BLADDER	1	328.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	OCT-10		
HF040										
SUPPORT SYSTEMS	2	115.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	SEP-09		
HF042										
BOOM TEND BOATS (INFLATABLE)	1	110.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	DEC-09		
HF051										
OIL BOOM SYSTEMS	4	320.3	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	JUN-10		
HF054										
BEACH TRANSFERSYSTEMS	1	104.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	AUG-09		
HF057										
LOGISTICS SUPPORT SYSTEMS	3	225.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	JAN-10		
HF058										
ARTIC OIL RECOVERY SYSTEMS	1	453.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	MAR-10		
HF060										
HOT TAP SYSTEMS	3	91.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	FEB-10		
HF061										
VISCOUS OIL TRANSFER SYSTEMS	1	126.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	APR-10		
HF062										
SUBMERSIBLE 6' HYD PUMP SYS	2	96.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	FEB-10		
HF063										
VOSS SKIMMER SYSTEMS	1	366.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09			
HF065										
BOARDING KITS	1	56.0	WASHINGTON, D.C.	JAN-01	C/CPAF	TBD	FEB-09	NOV-09		

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLIN: 0935				SUBHEAD 81HF	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HF024										
CFC-114 (R-114) AC CONVERSION	6	595.5	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-09	JAN-10		
CFC-114 (R-114) AC CONVERSION	14	545.7	NSWC PHILA, PA		FFP	YORK INT'L, PA	JAN-09	JAN-10		

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HF024 CFC-114 (R-114) AC CONVERSION		POLLUTION CONTROL EQUIPMENT

DESCRIPTION/JUSTIFICATION:

Modifies CFC-114 AC units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	257	27.4	28	9.1	20	10.3	16	9.3	20	11.2	21	11.8	19	12.0	12	10.8	8	10.9	37	6.4	438	119.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	228	110.6	26	13.6	26	8.7	18	6.4	16	6.2	20	7.4	16	5.8	13	9.2	35	10.0	40	18.5	438	196.4
TOTAL PROCUREMENT		138.0		22.7		19.0		15.7		17.4		19.2		17.8		20.0		20.9		24.9		315.6

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED CFC-114 (R-114) AC CONVERSION	MODIFICATION TITLE: POLLUTION CONTROL EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME:	Months	PRODUCTION LEADTIME:	9 Months					
CONTRACT DATES:	FY 2006:	JAN-06	FY 2007:	JAN-07	FY 2008:	JAN-08	FY 2009:	JAN-09
DELIVERY DATES:	FY 2006:	JAN-07	FY 2007:	JAN-08	FY 2008:	JAN-09	FY 2009:	JAN-10

($ in Millions)

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	228	110.6																			228	110.6
FY 2006 EQUIPMENT			26	13.6																	26	13.6
FY 2007 EQUIPMENT					26	8.7															26	8.7
FY 2008 EQUIPMENT							18	6.4													18	6.4
FY 2009 EQUIPMENT									16	6.2											16	6.2
FY 2010 EQUIPMENT											20	7.4									20	7.4
FY 2011 EQUIPMENT													16	5.8							16	5.8
FY 2012 EQUIPMENT															13	9.2					13	9.2
FY 2013 EQUIPMENT																	35	10.0			35	10.0
TO COMPLETE																			40	18.5	40	18.5

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	228	11	8	7	0	8	6	6	6	6	4	4	4	4	4	6	2	8	4	4	4	4	4	4	4	3	3	3	4	0	0	0	0	75	438
Out	228	11	8	7	0	8	6	6	6	6	4	4	4	4	4	6	2	8	4	4	4	4	4	4	4	3	3	3	4	0	0	0	0	75	438

Remarks:

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HF024 CFC-12 (R-12) AC CONVERSION		POLLUTION CONTROL EQUIPMENT

DESCRIPTION/JUSTIFICATION:

MODIFIES CFC 12 AC UNITS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	262	0.2																			262	0.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	262	11.5																			262	11.5
TOTAL PROCUREMENT		11.7																				11.7

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED CFC-12 (R-12) AC CONVERSION	MODIFICATION TITLE: POLLUTION CONTROL EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 9 Months PRODUCTION LEADTIME: Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	262	11.5																			262	11.5
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	2,620	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2,620
Out	262	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	262

Remarks:

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HF024 CFC-12(R-12)REFER CONVERSION		POLLUTION CONTROL EQUIPMENT

DESCRIPTION/JUSTIFICATION:

MODIFIES CFC 12 REFRIGERATION UNITS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	544	3.7																	28	2.8	572	6.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	540	31.8					2	0.2	2	0.2									28	5.6	572	37.8
TOTAL PROCUREMENT		35.5						0.2		0.2										8.4		44.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
CFC-12(R-12)REFER CONVERSION	POLLUTION CONTROL EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT

ADMINISTRATIVE LEADTIME: 9 Months PRODUCTION LEADTIME: Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	540	31.8					2	0.2	2	0.2											544	32.2
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																			28	8.4	28	8.4

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	540	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	572
Out	540	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28	572

Remarks:

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HF028 PREVENTION AFLOAT		POLLUTION CONTROL EQUIPMENT

DESCRIPTION/JUSTIFICATION:

The shipboard funds provide for the procurement and Fleetwide installation of pollution prevention equipment which will produce immediate life cycle cost savings to the Fleet through reduction in the quantity of hazardous materials used on board ship, offloaded, and subsequently disposed by of shore activities as hazardous waste.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	152	3.6																			152	3.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	152	17.3																			152	17.3
TOTAL PROCUREMENT		20.9																				20.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED PREVENTION AFLOAT	MODIFICATION TITLE: POLLUTION CONTROL EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			AIT SHIPYARD						
ADMINISTRATIVE LEADTIME:			9 Months	PRODUCTION LEADTIME:		Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	152	17.3																			152	17.3
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152
Out	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	152

Remarks:

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HF030 PWP PLASTIC WASTE PROCESSORS		POLLUTION CONTROL EQUIPMENT

DESCRIPTION/JUSTIFICATION:

Machalt ECP 600, Mod 1 and SHIPALT 2027 backfit, installs improved Plastic Waste Processors.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT				3.0	18	2.7	12	1.8		2.5		1.8	12	3.1	6	0.5	6	0.6			54	16.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					12	0.8	18	1.2	AP	0.2			12	0.7	6	0.4	6	0.3			54	3.6
TOTAL PROCUREMENT				3.0		3.5		3.0		2.7		1.8		3.8		0.9		0.9				19.6

CLASSIFICATION: UNCLASSIFIED **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED PWP PLASTIC WASTE PROCESSORS	MODIFICATION TITLE: POLLUTION CONTROL EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	8 Months	PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:	FY 2006:		FY 2007:	JAN-07	FY 2008:	JAN-08	FY 2009:
DELIVERY DATES:	FY 2006:		FY 2007:	MAY-07	FY 2008:	MAY-08	FY 2009:

($ in Millions)

COST	Prior		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Years																					
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					12	0.8															12	0.8
FY 2008 EQUIPMENT							18	1.2													18	1.2
FY 2009 EQUIPMENT									AP	0.2												0.2
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT													12	0.7							12	0.7
FY 2012 EQUIPMENT															6	0.4					6	0.4
FY 2013 EQUIPMENT																	6	0.3			6	0.3
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	6	6	0	6	6	6	0	0	0	0	0	0	0	0	0	6	6	0	0	6	0	0	0	0	0	0	0	6	54
Out	0	0	0	0	0	0	6	6	0	6	6	6	0	0	0	0	0	0	0	0	0	6	6	0	0	6	0	0	0	0	0	0	0	6	54

Remarks:

CLASSIFICATION:	UNCLASSIFIED																												
EXHIBIT P-21, PRODUCTION SCHEDULE																													DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1																													Weapon System / P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLI: 0935
						Production Rate						Procurement Leadtimes																	
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total Mfg PLT			Unit of Measure		
CFC-114 (R-114) AC CONVERSION	YORK INT'L, PA					0		0		0		0			0			9			0			0					
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007											B A L
						CY 2005			CALENDAR YEAR 2006												CALENDAR YEAR 2007								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2006	N	28	0	28				A												4	4	4	4	4	4	4			0
CFC-114 (R-114) AC CONVERSION	2007	N	20	0	20																A									20
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2008												FISCAL YEAR 2009											B A L
						CY 2007			CALENDAR YEAR 2008												CALENDAR YEAR 2009								
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2007	N	20	0	20				4	4	4	4	4	0	0															0
CFC-114 (R-114) AC CONVERSION	2008	N	16	0	16				A												4	4	4	4						0
CFC-114 (R-114) AC CONVERSION	2009	N	20	0	20																A									20
Remarks:																														

CLASSIFICATION:	UNCLASSIFIED																														
EXHIBIT P-21, PRODUCTION SCHEDULE																															DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1																															Weapon System / P-1 LINE ITEM NOMENCLATURE POLLUTION CONTROL EQUIPMENT BLI: 0935
						Production Rate						Procurement Leadtimes																			
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total Mfg PLT			Unit of Measure			
CFC-114 (R-114) AC CONVERSION	YORK INT'L, PA					0		0		0		0			0			9			0			0						
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2010												FISCAL YEAR 2011												B A L
						CY 2009			CALENDAR YEAR 2010												CALENDAR YEAR 2011									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2009	N	20	0	20																									20
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2012												FISCAL YEAR 2013												B A L
						CY 2011			CALENDAR YEAR 2012												CALENDAR YEAR 2013									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2007	N	28	20	8																									8
CFC-114 (R-114) AC CONVERSION	2009	N	20	0	20																									20
Remarks:																														

CLASSIFICATION:	UNCLASSIFIED																													
EXHIBIT P-21, PRODUCTION SCHEDULE																														DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**																				Weapon System										P-1 LINE ITEM NOMENCLATURE **POLLUTION CONTROL EQUIPMENT BLI: 0935**
						Production Rate						Procurement Leadtimes																		
Item	Manufacturer's Name and Location					MSR		ECON		MAX		ALT Prior to Oct 1			ALT After Oct 1			Initial Mfg PLT			Reorder Mfg PLT			Total Mfg PLT			Unit of Measure		
CFC-114 (R-114) AC CONVERSION	YORK INT'L, PA					0		0		0		0			0			9			0			0					
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2014												FISCAL YEAR 2015												B A L
						CY 2013			CALENDAR YEAR 2014												CALENDAR YEAR 2015									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2007	N	28	20	8																									8
CFC-114 (R-114) AC CONVERSION	2009	N	20	0	20																									20
ITEM	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2016												FISCAL YEAR 2017												B A L
						CY 2015			CALENDAR YEAR 2016												CALENDAR YEAR 2017									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CFC-114 (R-114) AC CONVERSION	2007	N	28	20	8																									8
CFC-114 (R-114) AC CONVERSION	2009	N	20	0	20																									20
Remarks:																														

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE SUBMARINE SUPPORT EQUIPMENT **SUBHEAD NO. H1PB BLIN: 0941**
Program Element for Code B Items 0204283		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			16.7	26.1	31.2	26.1	29.9	36.4	26.8	25.2	0.0	218.4
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

PB001:

SEAWOLF UPGRADES - The funding identified corrects both mechanical and acoustic issues due to deficient design and original equipment obsolescence. These deficiencies, if left uncorrected, would degrade the performance and acoustic signature of the ship. Funding in FY05 and prior fiscal years has resulted in major system upgrades being completed on SSN 21 and 22 during their first Selected Restricted Availabilities (SRA) Additionally, Submarine Warfare System (SWS) modernization program authorized in other budgets will require upgrades to host platform interfaces and data handling subsystems. These system upgrades were rated as "Threshold" modernization requirements during the Dec 01 Submarine Modernization Conference. Other host platform subsystems and equipment utilize obsolete components that are no longer supportable. New components will be designed and procured.

PB004:

LABORATORY/FACILITIES UPGRADES/REFURBISHMENT - This program is for the procurement of special material required to implement the military's high priority Submarine Silencing Program for operating nuclear submarines. The overall objectives and detail requirements for this program were established and defined in the CNO Specific Operational Requirements (SOR) 46-28 and NAVSEAINST C9073.2B. Only one program is in place to procure hardware systems for the purpose of measuring/monitoring, assessing, and improving the detection capability / reducing the detectability of our submarines.

Consists of replacing or refurbishing broken, old obsolete acquisition and analysis hardware and software prior to equipment failure and subsequently jeopardizing ship's safety (e.g. ranging equipment) or the execution of acoustic trials and completion of trials program objectives outlined in CNO Specific Organizational Requirements 46-28 (assessment of ship's acoustic posture, etc.) and NAVSEAINST C9073.2B (Acoustics Surveys Policy). These planned refurbishments and replacements are especially critical in order to maintain the technological advancements recently made in the area of acoustic data acquisition under the Acoustic Measurement Facilities Program (AMFIP) East and West coasts (USNS HAYES and SEAFAC, respectively). Examples of these items include: hydrophone arrays, towed arrays, ranging and tracking systems, on-board array electronics, noise sources, shore power cables and data fiberoptic cables, data analysis systems, workstations, data storage and retrieval, communications systems, analyzers,

tape recorders, accelerometers, monitors, etc. These equipments are utilized on the test vessel, the listening platform, and at the laboratories. The TYCOMs have consistently rated the conduct of noise trials as a high priority funding requirement. In FY97 and beyond, the East and West Coast requirements were merged into one funding line.] USN Hayes will be replaced by South TOTO acoustic facility (STAFAC) in FY09. Development, procurement and installation of the STAFAC system is funded in FY06-FY08. In FY09-FY13, component upgrade procurement and installation associatd with existing SEAFAC. STAFAC and Laboratory open architecture hardware system. is funded in accourdance with the technical refresh plan.

PB007:
SSN/SSBN HM&E THRESHOLD MODERNIZATION - The TYCOMs have identified issues with Electronic Auxiliary Fresh Water (EAFW) cooled Non-Propulsion Electronic Systems (NPES) Chill Water plant capacity during warm water operations (seawater temperature above 85F). The most practical solution is to convert the EAFW system from seawater cooling to chill water cooling of the NPES. However, the current 150 ton R-114 chill water plants originally designed for 85F seawater produce only 90 tons in 95F seawater. Funding in this line will procure and install SHIPALTs 4351K and 4347K for the SSN 688 Class to improve Combat Systems cooling capability by upgrading the R-114 units and converting the EAFW system from sea-water cooling to chill-water cooling. This will allow for the installation of next generation Combat Systems upgrades without system degradation and/or increased system failures due to the inability of shipboard equipment cooling systems. This upgrade is rated as "high priority" in the current COMNAVSUBFOR Modernization and Future Capabilities Requirements letter Ser 00/00258 of 7 Aug 2006.

PBCA1:
High Performance Brush - Metal Fiber Brushes are transitioning from a Science and technology effort to Integration into Shipboard Motor Generators starting in FY 2005. Funding provided will support completion of Test and Qualification for shipboard use, completion of final Ship Alteration Design, procurement of brushes and brush rigging, and scheduling and installation of the High Performance Brushes into the shipboard machinery.

PB008:
SSTG GOVERNORS
Design, testing, procurement of a new SSTG governor control system for LOS ANGELES Class, OHIO Class and SEAWOLF Class submarines. Replaces obsolete SSTG governor with industry supported components. These modifications address obsolescence issues and support extended service life of these platforms.

PB5IN:
FMP (INSTALLATION) - Installation of Warm Water Operation ShipAlts in SSN 688 Class submarines and installation of SSTG Governors in SSN 688, SSN 21 and SSBN/SSGN 726 Class submarines.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **SUBMARINE SUPPORT EQUIPMENT** **SUBHEAD NO. H1PB**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
PB001	SEAWOLF COMPONENT UPGRADES														
	SEAWOLF CLASS WEAPONS SHIPPING AND HANDLING		0	0	0.0	0	0	0.0	1,590	0	0.0	1,654	0	0.0	1,620
	SEAWOLF COMPONENT UPGRADES	A	0	0	0.0	761	0	0.0	481	0	0.0	2,763	0	0.0	471
	SEAWOLF SPARE SHAFT	A	0	0	0.0	0	0	0.0	0	1	2,700.0	2,700	0	0.0	0
PB004	FACILITIES / LAB UPGRADES														
	ACOUSTIC RANGE REPLACEMENT EQUIPMENT	A	0	1	10,602.0	10,602	1	10,531.0	10,531	1	7,271.0	7,271	1	6,507.0	6,507
PB007	SSN/SSBN HM&E THRESHOLD MODERNIZATION														
	SHIPALT 4351 (R-114 UPGRADE) DEVELOPMENT	A	0	1	1,640.0	1,640	0	0.0	0	0	0.0	0	0	0.0	0
	SHIPALT 4351 (R-114 UPGRADE) PROCUREMENT	A	4,800	0	0.0	0	6	1,069.0	6,414	6	908.5	5,451	6	1,001.3	6,008
PB008	SSTG GOVERNORS														
	SSTG GOVERNORS	A	0	0	0.0	0	0	0.0	0	0	0.0	2,690	0	0.0	2,690
PBCA1	HIGH PERFORMANCE BRUSH PROGRAM														
	HIGH PERFORMANCE BRUSHES	A	0	1	1,000.0	1,000	1	1,000.0	1,000	0	0.0	0	0	0.0	0
	TOTAL EQUIPMENT		**4,800**			**14,003**			**20,016**			**22,529**			**17,296**
	INSTALLATION														
PB5IN	SHAPEC SHIPALT 4347		0	0	0.0	177	0	0.0	0	0	0.0	0	0	0.0	0
PB5IN	SSN724 SHIPALT 4347 ADVANCE PLANNING		0	0	0.0	70	0	0.0	0	0	0.0	0	0	0.0	0
PB5IN	SSN768 SHIPALT 4347 INSTALLATION		0	0	0.0	600	0	0.0	0	0	0.0	0	0	0.0	0
PB5IN	SSN763 SHIPALT 4347 INSTALLATION		0	0	0.0	443	0	0.0	0	0	0.0	0	0	0.0	0
PB5IN	SHIPALT 4351 ADVANCED PLANNING		0	0	0.0	0	0	0.0	911	0	0.0	782	0	0.0	958

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **SUBMARINE SUPPORT EQUIPMENT** **SUBHEAD NO. H1PB**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
PB5IN	SSTG GOVERNOR INSTALLATION	A	0	0	0.0	0	0	0.0	0	0	0.0	510	0	0.0	510
PB5IN	SHIPALT 4347K INSTALLATION - DSRA	A	0	0	0.0	0	0	0.0	0	0	0.0	2,794	0	0.0	1,425
PB5IN	SHIPALT 4347K INSTALLATION - DMP	A	0	0	0.0	0	0	0.0	1,370	0	0.0	699	0	0.0	1,425
PB5IN	SHIPALT 4351K INSTALLATION - DMP/EOH	A	0	0	0.0	0	0	0.0	1,664	0	0.0	1,712	0	0.0	3,303
PB5IN	SHIPALT 4351K INSTALLATION - DMP/EOH (MOD 25)	A	0	0	0.0	0	0	0.0	1,864	0	0.0	1,852	0	0.0	0
PB5IN	SHIPALT 4351K INSTALLATION - SRA	A	0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	928
PB5IN	RECURRING DSA	A	0	0	0.0	245	0	0.0	300	0	0.0	300	0	0.0	300
PB5IN	SHIPALT 4347 INSTALLATION ON SSN769	A	0	0	0.0	1,079	0	0.0	0	0	0.0	0	0	0.0	0
PB5IN	SSN771 SHIPALT 4347 ADVANCE PLANNING	A	0	0	0.0	70	0	0.0	0	0	0.0	0	0	0.0	0
	TOTAL INSTALLATION		**0**			**2,684**			**6,109**			**8,649**			**8,849**
TOTAL			**4,800**			**16,687**			**26,125**			**31,178**			**26,145**

Comment:

For ShipAlt 4347K (EAFW piping modification) material procurement costs (PB007) are paid by the installation activity. A PB007 entry was made for this ShipAlt in order to generate a P3A to show the installation profile for this ShipAlt.

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE SUBMARINE SUPPORT EQUIPMENT BLIN: 0941				SUBHEAD H1PB	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
PB004 FACILITIES / LAB UPGRADES										
ACOUSTIC RANGE REPLACEMENT EQUIPMENT	1	10,602.0	NSWC CARDEROCK		OTHER	PSI, VA	APR-06	JUL-06	YES	
PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATI										
SHIPALT 4351 (R-114 UPGRADE) DEVELOPMENT	1	1,640.0	NSWC PHILADELPHIA		FP	YORK INT'L YORK, PA	APR-06	JUL-06	YES	
SHIPALT 4347 (EAFW MODIFICATIONS)	3	0.0								
PBCA1 HIGH PERFORMANCE BRUSH PROGRAM										
HIGH PERFORMANCE BRUSHES	1	1,000.0	NAVSEA 02		FP	DEFENSE HOLDINGS INC, VA	JUN-06	SEP-06	YES	
FY 2007										
PB004 FACILITIES / LAB UPGRADES										
ACOUSTIC RANGE REPLACEMENT EQUIPMENT	1	10,531.0	NSWC CARDEROCK		OTHER	PSI, VA	APR-07	JUL-07	YES	
PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATI										
SHIPALT 4351 (R-114 UPGRADE) PROCUREMENT	6	1,069.0	NSWC PHILADELPHIA		FP	YORK INT'L YORK, PA	APR-07	JUL-07	YES	
SHIPALT 4347 (EAFW MODIFICATIONS)	2	0.0								
PBCA1 HIGH PERFORMANCE BRUSH PROGRAM										
HIGH PERFORMANCE BRUSHES	1	1,000.0	NAVSEA 02		FP	DEFENSE HOLDINGS INC, VA	JUN-07	SEP-07	YES	
FY 2008										
PB001 SEAWOLF COMPONENT UPGRADES										
SEAWOLF SPARE SHAFT	1	2,700.0	NAVICP		OTHER	COMPET	APR-08	JUL-08	YES	
PB004 FACILITIES / LAB UPGRADES										
ACOUSTIC RANGE REPLACEMENT EQUIPMENT	1	7,271.0	NSWC CARDEROCK		OTHER	PSI, VA	APR-08	JUL-08	YES	
PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATI										
SHIPALT 4351 (R-114 UPGRADE) PROCUREMENT	6	908.5	NSWC PHILADELPHIA		FP	YORK INT'L YORK, PA	APR-08	JUL-08	YES	
SHIPALT 4347 (EAFW MODIFICATIONS)	5	0.0								
FY 2009										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE SUBMARINE SUPPORT EQUIPMENT BLIN: 0941**				**SUBHEAD H1PB**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
PB004 FACILITIES / LAB UPGRADES										
ACOUSTIC RANGE REPLACEMENT EQUIPMENT	1	6,507.0	NSWC CARDEROCK		OTHER	PSI, VA	APR-09	JUL-09	YES	
PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATI										
SHIPALT 4351 (R-114 UPGRADE) PROCUREMENT	6	1,001.3	NSWC PHILADELPHIA		FP	YORK INT'L YORK, PA	APR-09	JUL-09	YES	
SHIPALT 4347 (EAFW MODIFICATIONS)	4	0.0								

Remarks:

CONTRACT METHODS LISTED AS "OTHER" ARE COST PLUS FIXED FEE (CPFF) CONTRACTS.

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:	
PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATION SHIPALT 4347 (EAFW MODIFICATIONS)	K ALT	SUBMARINE SUPPORT EQUIPMENT	

DESCRIPTION/JUSTIFICATION:

PIPING AND SYSTEMS MODIFICATIONS TO SUPPLY CHILLED WATER TO THE #1 ELECTRONICS AUXILIARY FRESHWATER (EAFW) HEAT EXCHAGER
NOTE: EQUIPMENT PROCUREMENT FOR THIS SHIPALT IS PURCHASED BY THE INSTALLATION ACTIVITY. NAVSEA FUNDS THE INSTALLATION

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5		3		2		5		4		3		1		4		3		3		33	
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	5		3	2.1	2	1.4	5	3.5	4	2.9	3	2.3	1	0.8	4	3.1	3	2.3	3	6.1	33	24.5
TOTAL PROCUREMENT				2.1		1.4		3.5		2.9		2.3		0.8		3.1		2.3		6.1		24.5

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
SSN/SSBN HM&E THRESHOLD MODERNIZATION SHIPALT 4347 (EAFW MODIFICATIONS)	SUBMARINE SUPPORT EQUIPMENT

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	Months	PRODUCTION LEADTIME:	Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	5																				5	
FY 2006 EQUIPMENT			3	2.1																	3	2.1
FY 2007 EQUIPMENT					2	1.4															2	1.4
FY 2008 EQUIPMENT							5	3.5													5	3.5
FY 2009 EQUIPMENT									4	2.9											4	2.9
FY 2010 EQUIPMENT											3	2.3									3	2.3
FY 2011 EQUIPMENT													1	0.8							1	0.8
FY 2012 EQUIPMENT															4	3.1					4	3.1
FY 2013 EQUIPMENT																	3	2.3			3	2.3
TO COMPLETE																			3	6.1	3	6.1

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	5	3	0	0	0	2	0	0	0	5	0	0	0	4	0	0	0	3	0	0	0	1	0	0	0	4	0	0	0	3	0	0	0	3	33
Out	5	0	0	2	1	0	0	1	1	1	0	3	1	0	2	1	1	0	3	0	0	0	1	0	0	0	1	0	3	0	1	1	1	3	33

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED PB007 SSN/SSBN HM&E THRESHOLD MODERNIZATION SHIPALT 4351 (R-114 UPGRADE) PROCUR	TYPE MODIFICATION: K ALT	MODIFICATION TITLE: SUBMARINE SUPPORT EQUIPMENT

DESCRIPTION/JUSTIFICATION:

The TYCOMs have identified issues with Electronic Auxiliary Fresh Water (EAFW) cooled Non-Propulsion Electronic Systems (NPES) and Chill Water plant capacity during warm water operations (seawater temperature above 85F). The most practical solution is to convert one EAFW heat exchanger from seawater cooling to chill water cooling. The current 150 ton R-114 chill water plants originally designed for 85F seawater produce only 90 tons in 95F seawater. This alteration converts the SSN688 R-114 Air Conditioning plant to microprocessor control, performs baseline testing, and completes the design of a variable geometry diffuser (VGD) compressor. This ShipAlt is separated into two parts that upgrade the port and starboard R-114 plants. Upgrade of just the port R-114 units can be accomplished as a standalone alteration; this would be accomplished in the shorter duration availabilities (SRAs, DSRAs)

NOTE: FOR THE QUANTITIES LISTED ON THIS EXHIBIT, ONE SHIPSET EQUALS 2 UNITS

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	4	4.8			6	6.4	6	5.5	6	6.0	6	5.7	6	5.9	5	5.3	5	5.4	4	4.5	48	49.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - ADVANCE PLANNING						0.9		0.8		1.0		1.2		1.0		1.2		1.0		1.0		8.1
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					4	3.5	4	3.6	5	4.2	6	5.1	6	5.4	6	4.9	7	5.8	10	9.4	48	41.9
TOTAL PROCUREMENT		4.8				10.8		9.9		11.2		12.0		12.3		11.4		12.2		14.9		99.5

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
SSN/SSBN HM&E THRESHOLD MODERNIZATION SHIPALT 4351 (R-114 UPGRADE) PROCUREMENT	SUBMARINE SUPPORT EQUIPMENT

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			K ALT						
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:	12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	APR-07	FY 2008:	APR-08	FY 2009:	APR-09
DELIVERY DATES:		FY 2006:		FY 2007:	JUL-07	FY 2008:	JUL-08	FY 2009:	JUL-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS					4	3.5															4	3.5
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							4	3.6	1	0.9	1	0.9									6	5.4
FY 2008 EQUIPMENT									4	3.4	2	1.6									6	5.0
FY 2009 EQUIPMENT											3	2.5	3	2.7							6	5.2
FY 2010 EQUIPMENT													3	2.7	2	1.6	1	0.9			6	5.2
FY 2011 EQUIPMENT															4	3.3	2	1.6			6	4.9
FY 2012 EQUIPMENT																	4	3.2	1	1.0	5	4.2
FY 2013 EQUIPMENT																			5	5.2	5	5.2
TO COMPLETE																			4	3.2	4	3.2

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	4	0	0	0	4	0	0	0	1	4	0	0	3	3	0	0	3	0	3	0	2	0	4	0	0	2	2	3	10	48
Out	0	0	0	0	0	2	0	2	0	0	0	4	0	0	3	2	0	0	0	5	1	0	1	5	0	0	2	0	4	0	2	2	3	10	48

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY; BA-1: Ships Support Equipment**	P-1 ITEM NOMENCLATURE **VIRGINIA Class SSN Support Equipment BLI: 094200**
Program Element for Code B Items:	Other Related Program Elements **RDT&E PE 0604558N / SCN PE 0204281N**

	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
QUANTITY												
COST (In Millions)	**$59.4**		**$144.4**	**$155.8**	**$146.8**	**$175.9**	**$182.7**	**$266.4**	**$234.9**	**$239.4**	**Cont.**	**Cont.**
SPARES COST (In Millions)	**$0.0**		**$6.6**	**$2.6**	**$3.2**	**$3.4**	**$2.4**	**$3.3**	**$3.3**	**$4.0**	**$0.0**	**$28.8**

This provides a wide range of material required to operate, test , support and maintain the viability of VIRGINIA SSN774 Class ships. The "Major Shore Spares" component includes rotatable pool and insurance spares. Rotatable pool assets support planned maintenance during scheduled availabilities by decreasing equipment turn-around time/availability duration. Rotatable pool program equipment includes the high pressure air compressor, various pump/motor assemblies, radar mast, ventilation fans and Thinline Towed Array components and others. Insurance spares (which include a main propulsion unit and ship service turbine generator) potentially support unplanned equipment replacement due to a casualty or emergent maintenance requirement. Insurance spares availability reduces the likelihood an operating ship will be materially impaired for an undetermined period or the construction schedule extended.

This funding line also includes upgrading the afloat acoustic system required to conduct TECHEVAL/OPEVAL satisfactorily, efficiently and with minimal risk of equipment failure. Some Test and Evaluation (T&E) Measuring Equipment upgrades to underwater acoustic ranges are necessary to support class acoustic profiles T&E. Also included is the Vertical Launch System (VLS) Peculiar Support Equipment (PSE) (Primarily All-up Round Simulators (AURS)/All-up Round (AUR) Ballast Cans) necessary to conduct TECHEVAL/OPEVAL and provide ballast for ship operation.

This funding line includes funds in FY05/06/07 to procure material components and system components required to complete the Southeast Alaska Acoustic Measurement Facility (SEAFAC) Range Upgrade Program that is also funded under RDT&E,N PE0604561/F9233 and F1946 (SEAWOLF Program). The SEAFAC range located on the West Coast will be upgraded with new underwater acoustic measurement systems capable of measuring new generation quiet-class VIRGINIA and SEAWOLF submarines stationed in the Pacific fleet.

Components necessary to initiate maintenance and support activities are also included under this line. The Intermediate (I) and Depot (D) level support and test equipment (e.g., sail raceway, cofferdams, etc.) necessary to conduct I and D level repairs is provided for here. Also included is a Command, Control, Communications and Intelligence (C3I) Integrated Test and Maintenance System (ITMS) to provide the necessary tool for efficient Engineering Change Proposal (ECP) development, component problem isolation and identification, and more rapid resolution of Fleet Problem Trouble Reports (PTR) and updates to operational guidelines. Finally, it includes selected VIRGINIA-unique test equipment for maintenance and new component evaluation/checkout.

Two primary VIRGINIA Class trainers are included in this funding line. The Exterior Communications Systems (ECS) trainer supports training of communications personnel and the VIRGINIA Ship Control Operator Trainers (VSCOT) support training sites for submerged ship handling and casualty control operations team training and certification. Other trainers included: Weapons Handling Trainer updates and modifications to the Submarine Multi Mission Team Trainer (SMMTT).

Funding for Special Operations Forces (SOF) provides for Reconfigurable Berthing Structures, Lockout Trunk (LOT) items, recompression equipment and other items required for SOF certification.

The wireless LAN provides a shipwide (forward of the reactor compartment) intranet (NIPRNET) that significantly enhances the quality of work by facilitating electronic correspondence, personnel data management, collaborative services, interactive whiteboard, multi-user chat and access to these sites: FTMPS/NTMPS, CHCS , prescriptions, MYPAY - DFAS, EPMAC, BUPERS, EMAIL, FTSCLANT, SUBMEPP and NKO.

Finally, the continuous ship upgrades necessary to maintain class viability of the earlier ships are included in this funding line. This is particularly important for Commercial Off the Shelf (COTS) Technology Refreshment and Technology Upgrades for Non-Propulsion Electronic Systems. The class level of modernization, and capability rests on available resources. Provides for the transition to a common Navy electronic chart distribution system for the Submarine Force called the Voyage Management System (VMS).

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: **February 2007**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA-1: Ships Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **VIRGINIA CLASS SSN Support Equipment BLI: 094200 / H1RC**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years		FY 2006		FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	SPONSOR: N87														
H1RC01	VIRGINIA Class SOF Support		192	Various		540	Various		671	Various		725	Various		155
H!RC02	Test & Evaluation (T&E) Measuring Equipment		9,942	Various		4,836	Various		722						
H1RC03	VLS Peculiar Support Equipment		5,587	Various		2,575	Various		5,545	Various		2,942	Various		1,350
H1RC04	VA Ship Control Operator (VSCOT) Trainer						1	10,000	10,000						
H1RC05	Exterior Communication System (ECS) Trainer						1	6,127	6,127						
H1RC06	Major Shore Spares (General)		2,350	Various		38,724	Various		35,203	Various		26,891	Various		46,918
H1RC07	Remaining VA Class Trainers			Various		8,723	Various		19,069						
H1RC08	Intermediate & Depot (I&D) Support Equipment		4,548	Various		7,011	Various		417	Various		13,035	Various		11,473
H1RC09	West Coast SEAFAC		19,600	Various		7,570	Various		1,000						
H1RC10	Voyage Management System		2,584	Various		948	Various		1,384	Various		1,436	Various		1,580
H1RC11	VIRGINIA Class Support Equipment		7,263	Various		4,832									
H1RC12	Integrated Test & Maintenance System (ITMS)														
H1RC13	Tech Insertion, Tech Refresh & Upgrades		2,187	Various		63,571	Various		75,743	Various		101,318	Various		114,044
H1RC14	Survival Equipment for Sea Riders									Various		440	Various		333
H1RC15	Ship Control Tact. Lab Set for Baseline Configuration														
H1RC16	Ship Control Tact. Lab Set for Redesign Config.														
H1RC17	Modern Legacy Crypto System		3,000												
SCA1R	Shipboard Wireless Mobile Computing (NTDPS Wireless LAN)		2,100	Various		5,100									
			59,353			**144,430**			**155,881**			**146,787**			**175,853**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	DATE: February 2007
B. APPROPRIATION/BUDGET ACTIVITY BA-1: SHIPS SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE VIRGINIA CLASS SSN Support Equipment BLI: 094200	SUBHEAD H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
VIRGINIA Class SOF Support (Seal Team Portable Berthing)	Various	540	NAVSEA	Sep-05	WR	NUWC Keyport	Mar-06	Dec-06	Yes	NA
Test & Evaluation (T&E) Measuring Equipment										
MARS Upgrades and Technical Inserts	Various	100	NSWCCD	Dec-05	C/FP	PSI McLean VA	Feb-06	Apr-06	No	TBD
ATOMS2 (partial)	Various	1,574	NSWCCD	Dec-05	C/FP	Anteon	Apr-06	Jul-06	Yes	TBD
STAFAC Year 2										
HGA Sig Conditioning & Telemetry Subystems	Various	1,941	NSWCCD	Apr-06	C/FP	SAIC Gulfport MS	Apr-06	Sep-06	Yes	TBD
HGA Engineering Sensors Subsystems	Various	99	NSWCCD	Jan-06	C/FP	SAIC Gulfport MS	Apr-06	Sep-06	Yes	TBD
Beamforming, Processing & Analysis Subsystems	Various	987	NSWCCD	Dec-05	C/FP	PSI McLean VA	Feb-06	Jun-06	Yes	TBD
Underwater Accouistic Tracking Subsystems	Various	135	NSWCCD	Dec-05	C/FP	PSI McLean VA	Jun-06	Aug-06	Yes	TBD
VLS Peculiar Support Equipment (VLS-PSE) Total										
AUR Ballast Cans Acq. Life Cycle Supt.	18	33	NUWC	Oct-05	SS/FP OPTION	Penn Iron Works, Sinking Springs, PA	Feb-06	May-07	Yes	Oct-04
AURES Modernization MK 112/Dyn Load Banks	60	33	NUWC	Oct-05	WR	NUWCNPT	Jan-06	Apr-07	Yes	Oct-04
SMMTT VA/SSGN Class 9AI&R BLQ-10 Weapons0Trainer Upgrade (EPM 7 various shore sites)	Various	8,312	NAVSEA	Nov-05	WR	NSWCCD	Nov-05	May-07	Yes	NA
SSN Weapons Handling Trainers Updates	Various	240	NAVSEA	Oct-05	WR	Navair, Orlando	Nov-05	Jun-07	Yes	NA
VA Class Torpedo Tube Trainer	Various	171	NAVSEA	Oct-05	WR	NUWC, Keyport	Apr-06	Mar-07	Yes	NA
Major Shore Spares										
Insurance Spares										
Main Propulsion Unit (Components)	Various	12,385	NAVSEA	May-06	SS/CPIF	Electric Boat, Groton, CT	Jul-06	Dec-06	Yes	Oct-04
Photonics Masts and System Comnponents	Various	11,271	NAVSEA	May-06	SS/CPIF	Kohllmorgen, Northampton, MA	Jul-06	Dec-06	Yes	Oct-04
Propulsor No. 1 - Castings	1	9,255	NAVSEA	Nov-05	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-05	Jan-07	Yes	NA
Propulsor No. 1 - Hdw and Eng. Svcs.	1	595	NAVSEA	Nov-05	WR; SS/CPIF	NSWCCD, Beth./ MD, PTI Bridgeville, PA	Apr-06	Jan-07	Yes	NA
Propellor - Manufacturing Spare Casting	1	718	NAVSEA	Nov-05	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-05	Sep-06	Yes	NA
Propulsor Duct - Manufacturing Spare	1	3,402	NAVSEA	Nov-05	SS/FP	BAE Systems LP, Minneapolis, MN	Apr-06	Nov-08	Yes	NA
Tail Cone Handling Fixture	1	258	NAVSEA	Nov-05	SS/TBD	Electric Boat, Groton, CT	Aug-06	Sep-07	No	Jul-07
Rotatable Pool										
Miscellaneous	Various	840	NAVSEA	May-06	SS/CPIF	Electric Boat, Groton, CT	Jul-06	Dec-06	Yes	Dec-04
Intermediate & Depot (I&D) Support Equipment Total										
Hydro-Cylinder Fixture (ATP Bearing Cartridge)	1	160	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Jan-06	Sep-06	Yes	Jun-06
ICL Firing Valve Test Stand-Upgrade	2	95	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Jan-06	Jun-06	Yes	Dec-05
Weapons Cradle Storage and Shipping Containers	12	16	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Jul-06	Yes	Aug-05
ECL Spare Module	4	475	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Jun-08	Yes	Dec-05
ECL Handling Cradle	4	84	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Apr-06	Yes	Feb-06
Weapons Shipping and Handling System Cradle/Cradle Container Storage & Associated Hardware (IE Cradle Lifting Fixture, Cradle Alignment Fixture)	2	85	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Jan-06	Aug-06	No	Jan-05

DD Form 2446-1, JUL 87

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	DATE: February 2007
B. APPROPRIATION/BUDGET ACTIVITY BA-1: SHIPS SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE VIRGINIA CLASS SSN Support Equipment BLI: 094200	SUBHEAD H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Cradle Lock Motor Controller for EMAs	1	70	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Sep-06	Yes	Aug-05
Sail Race Track (Redesign of the 2nd Racetrack)	1	159	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Sep-06	No	Jun-06
VLS Platform and Associated Hardware	1	359	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Feb-06	Sep-06	No	Feb-06
SPS Cofferdam Re-design	1	36	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Apr-06	May-06	No	NA
SPS Cofferdam - Manufacture	1	373	NAVSEA	Jun-05	SS/CPIF	NUWCNPT	Mar-06	Jul-07	No	Jan-06
SPS Tools (2nd Set of Various Tools)	Various	211	NAVSEA	Jun-05	SS/CPIF	Electric Boat, Groton, CT	Feb-06	Mar-07	Yes	Dec-05
Bow Dome Tool (Bow Dome Handling Fixture)	1	616	NAVSEA	Jun-05	SS/CPIF	BFGOOD	Feb-06	Feb-07	Yes	Dec-04
Retractable Bow Planes (RBP) Cofferdam	1	607	NAVSEA	Jun-05	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Feb-07	Yes	Jan-06
Snorkel Mast Support Eqpmt (5 items)	1	63	NAVSEA	Jun-05	SS/CPIF	Electric Boat, Groton, CT	Feb-06	Jul-06	Yes	Dec-04
Special Tools (Wed) Modification	Various	35	NAVSEA	Jun-05	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Oct-06	Yes	Dec-06
VA SCS Laboratory Software License	Various	144	NAVSEA	Dec-05	SS/CPIF	Electric Boat, Groton, CT	Apr-06	Jun-06	Yes	Jan-06
SFCC Test Bed Modification & Database Development	Various	63	NAVSEA	Oct-05	SS/CPIF	Electric Boat, Groton, CT	Feb-06	Sep-06	Yes	Dec-05
Main Ballast Tanks 1, 2 & 3 Temp. Flood Hole Covers-Redesign	Various	64	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Apr-06	Jul-06	Yes	May-06
Main Ballast Tanks 1, 2 and 3 Temporary Flood Hole Covers	Various	15	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	May-06	Aug-06	Yes	May-06
SFCC Test Bed ROM	Various	72	NAVSEA	Oct-05	SS/CPIF	Electric Boat, Groton, CT	May-06	Sep-06	Yes	Dec-05
VLS S to H Drawings Incorporation	Various	32	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Jul-06	Yes	NA
Block Point Loading PADs for RBF Cofferdam	Various	46	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Aug-06	Aug-07	No	NA
Fiber Optic Tools	Various	178	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Aug-06	Feb-07	Yes	Dec-05
Flood Port Covers	Various	39	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Aug-06	Feb-07	Yes	Dec-05
Sail Racetrack	Various	876	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Aug-06	Mar-07	No	Jun-06
West Coast SEAFAC										
HGMS Array and Telemetry P-3 and P-4	2	3,189	NSWCCD	Jul-04	SS/CPAF	SAIC Bremerton, WA	Dec-05	Sep-06	Yes	Dec-04
Beamforming, Processing and Analysis Hardware	Various	503	NSWCCD	Jul-01	SS/CPiF	PSI Fairfax, VA	Dec-05	Sep-06	Yes	Dec-04
Tracking System Components	Various	689	NSWCCD	Oct-05	WR	NSWCCD ARD Bayview, ID	Dec-05	Sep-06	Yes	Mar-05
Voyage Management System										
VMS Radar Kit Procurement	1	742	NAVSEA	Jul-05	SS/FP	NGES Sperry Marine, Charlottesville, VA	Mar-06	Jun-07	No	TBD
ECDU Kit Design	1	206	SPAWAR	Feb-06	WR	SPAWAR System Center, Charleston	Mar-06	Jun-07	No	TBD
VIRGINIA Class Support Total										
Weapons Launch Systems ISEA Lab Asset	1	3,070	NUWC Newport	Oct-05	WR	NUWC Newport	Feb-06	Apr-06	No	Oct-06
TSMS Hardware	1	166	NAVSEA	Oct-05	WR	NSWCCD	Feb-06	Mar-07	Yes	NA
Alterations and Improvements	12	30	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Aug-06	Apr-07	Yes	NA
Batteries	Various	1,236	NSWC Crane	Oct-05	WR	NSWC Crane	Feb-06	Apr-06	Yes	NA
Modernization & Technology Upgrades										
OBTT (Phase I) (Hull 1) (S/W)	1	155	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Mar-07	Yes	Feb-06
OBTT Upgrades (Phase II) Hull 3) (S/W)	1	103	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Mar-07	Yes	Feb-06
OBTT (Phase II) (Hull 1) S/W	1	105	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Mar-07	Yes	Feb-06

DD Form 2446-1, JUL 87

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
NTDPS (ULAN + SW Enclave + PODS + Upgrades	Various	5,100	NAVSEA	Feb-06	SS/CP-IF/AF (SBIR)	GD-AIS, Fair Lakes, VA	Mar-06	Sep-06	Yes	NA
VA CCS Tech Refresh for AN/BYG-1	Various	6,924	NAVSEA	Jul-05	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Jan-06	Jun-07	No	NA
ARCI Upgrades	Various	1,025	NAVSEA	Nov-05	SS/CP-IF/AF	Lockheed Martin, Manassas, VA	Jul-06	May-07	No	NA
VA S/CC/A & Ship NR Eng for Commonality w/ Backfit	Various	10,085	NAVSEA	Jul-05	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Mar-06	Jan-07	No	NA
Photonics Backfit	1	2,060	NAVSEA	Nov-05	SS/FP	GD-AIS, Fair Lakes, VA	Mar-06	Jan-07	Yes	NA
VA AN/BLQ-10 Modernization: Galelite/PSR/LPI/AIS Block Upgr	2	1,285	NSSSO	Nov-05	SS/FP	Lockheed Martin, Syracuse, NY	Jun-06	Jun-07	Yes	NA
VA AN/BVS-1 Rotary Seal retrofit/Raydome	8	103	NAVSEA	Nov-05	SS/FP	Kollmorgen, Northampton, MA	Mar-06	Jan-07	Yes	NA
VA AN/BVS-1 Noise Correction Installs	Various	618	NAVSEA	Nov-05	SS/FP	Kollmorgen, Northampton, MA	Mar-06	Jan-07	Yes	NA
AN/BVS-1 Field Change Program	Various	773	NAVSEA	Nov-05	SS/FP	Kollmorgen, Northampton, MA	Mar-06	Jan-07	Yes	NA
ICADF	Various	2,000	NSSSO	Nov-05	SS/FP	Lockheed Martin, Syracuse, NY	Jul-06	Aug-07	Yes	NA
AN/BVS-1 Mast Mounted Colimator	Various	433	NUWC Newport	Feb-06	WR	NUWC, Newport, RI	Mar-06	Jan-07	Yes	NA
VA Class GCCS-M/IT-21	1	545	SPAWAR	Dec-05	WR	SPAWAR System Center, Charleston, SC	Jan-06	Jun-07	No	NA
S/W License Procurement to Support NTDPS	Various	3,702	NAVSEA	Nov-05	SS/CP-IF/AF (SBIR)	Progeny Systems, Manassas, VA	Jan-06	Mar-06	Yes	NA
Initial Post PSA Modernization Shipalt Development	Various	5,410	NAVSEA	Oct-05	SS/CPIF	Electric Boat, Groton, CT	Dec-05	Jan-06	Yes	NA
CWITT	Various	2,350	SPAWAR/NUWC	Mar-06	WR	SPAWAR, San Diego, CA/NUWC, Newport, RI	Apr-06	May-06	No	NA
System Level Activities PSA/Post PSA	Various	4,007	NAVSEA	Apr-05	SS/CPIF	Electric Boat, Groton, CT	Dec-05	Jan-06	Yes	NA
Miscellaneous Sensor Replacements	Various	4,386	NUWC Newport	Jun-06	WR	NUWC, Newport, RI	Jul-06	Mar-06	No	NA
AN/WLY-1 Upgrade	Various	235	NAVSEA	Dec-05	SS/CPIF/PIF	Progeny Systems, Manassas, VA	Jul-06	Jul-07	Yes	NA
ECS Modern Legacy Crypto System (MLCS)	Various	1,295	NAVSEA	Jan-06	SS/CPIF	Electric Boat, Groton, CT	Mar-06	Apr-06	Yes	NA
ECS Buyback	Various	7,170	NAVSEA	Oct-05	SS/CPIF	Electric Boat, Groton, CT	Dec-05	Jan-06	Yes	NA
Navigation DSVL Corrections	Various	300	SPAWAR	Jun-06	WR	SPAWAR System Center, Charleston, SC	Jul-06	Nov-06	No	NA
Weapons Cradle	Various	5,400	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Apr-06	Dec-06	Yes	NA
Weapons Cradle Upgrade	12	62	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Apr-06	Dec-06	Yes	NA
Air Turbine Pumps with sprague clutch and sensor replacements	Various	346	NAVSEA	Oct-05	WR	NUWC Keyport	Nov-05	Jan-06	No	NA
FY 2007										
VIRGINIA Class SOF Support (Seal Team Portable Berthing)	Various	560	NAVSEA	Feb-07	WR	NUWC Keyport	Mar-07	Dec-07	Yes	NA
Test & Evaluation (T&E) Measuring Equipment										
STAFAC Year 3										
Beamforming, Processing & Analysis Subsystems	Various	722	NSWCCD	Jan-07	C/FP	PSI McLean VA	Mar-07	Aug-07	Yes	TBD
VLS Peculiar Support Equipment (VLS-PSE) Total										
AUR Vol Shapes Acq. Life Cycle Supt.	12	368	NUWC	Oct-06	SS/FP	AC Inc. Huntsville, AL	Jan-07	Apr-08	Yes	Oct-04
AUR Ballast Cans Acq. Life Cycle Supt.	21	35	NUWC	Oct-06	SS/FP OPTION	Penn Iron Works, Sinking Springs, PA	Jan-07	Apr-08	Yes	Oct-04
AURES Modernization MK 112/Dyn. Load banks	7	56	NUWC	Oct-06	WR	NUWCNPT	Jan-07	Apr-08	Yes	Oct-04
Trainers										
VA Ship Control Operator (VSCOT) Trainer @ Norfolk	1	8,725	NAVSEA	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Oct-06	May-08	Yes	N/A
VA SCOT @ PH	1	8,725	NAVSEA	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Oct-06	Sep-08	Yes	N/A
VA SCOT Engineering, Intergration & Testing	Various	2,550	NAVSEA	Oct-06	WR	NSWCCD	Oct-06	Nov-06	N/A	N/A

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SMMTT VA/SSGN Class (AI&R BLQ-10 Weapons) Trainer Upg (EPM & various shore sites)	Various	8,509	NAVSEA	Oct-06	WR	NSWCCD	Nov-06	Oct-07	Yes	NA
SSN Weapons Handling Trainers Updates	Various	431	NAVSEA	Oct-06	WR	NAVAIR, Orlando	Nov-06	Jun-08	Yes	NA
VA Class Torpedo Tube Trainer	Various	129	NAVSEA	Oct-06	WR	NUWC, Keyport	Nov-06	Mar-07	Yes	NA
Exterior Communication System (ECS) Trainer	1	6,127	NAVSEA	Oct-06	WR	NAVAIR, Orlando	Jan-07	Jan-09	Yes	Oct-06
Major Shore Spares										
Insurance Spares										
Propulsor No.1- Fixed Unit	1	13,276	NAVSEA	Nov-06	SS/CPIF	BAE Systems LP, Minneapolis, MN	Apr-07	Oct-10	Yes	NA
Propulsor No. 1 - Castings	1	6,724	NAVSEA	Nov-06	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-06	Jan-07	Yes	NA
Propulsor No. 1 - Hdw and Eng. Svcs	1	880	NAVSEA	Nov-06	WR; SS/CPIF; SS/CPIF	NSWCCD, Bethesda, MD / Electric Boat, Groton, CT / PTI, Bridgeville, PA	Apr-07	Jan-07	Yes	NA
Propulsor No. 1 (Propulsor Hydrophones)	1	20	NAVSEA	Nov-06	WR	NUWC, Newport, RI	Dec-06	Jan-08	Yes	NA
Stern Diving Planes, Rudder and External Gear	1	5,319	NAVSEA	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Jan-07	Jun-07	Yes	Oct-04
Rotatable Pool										
Main Propulsion Shaft	1	1,696	NAVSEA	Jun-06	SS/FP	Jorgensen Forge, Seattle WA	Dec-06	Jun-07	Yes	TBD
ILPE Byproduct Mgm Catalyst	2	25	NAVSEA	Oct-06	SS/FP	Hamilton Sundstrand	Jan-07	Mar-08	Yes	Dec-04
SPU	1	7,237	NAVSEA	Jun-06	SS/FP	Curtis Wright, Cheswick PA	Dec-06	Jun-07	Yes	TBD
Intermediate & Depot (I&D) Support Equipment										
ATP Tools	Various	175	NAVSEA	Oct-06	SS/FP	Electric Boat, Groton, CT	Feb-07	Jun-07	No	TBD
MBT Flood Port Covers	1	41	NAVSEA	Oct-06	SS/FP	Electric Boat, Groton, CT	Feb-07	Apr-07	No	Jan-05
Diesel Tools (1) Set	1	10	NAVSEA	Oct-06	SS/FP	Electric Boat, Groton, CT	Mar-07	Jul-07	Yes	Dec-04
Fleet 3 inch ICL Firing Valve Test Stand-Upgrade	1	95	NAVSEA	Oct-06	SS/FP	NUWCNPT	Jan-07	Mar-07	Yes	Dec-05
Fiber Optic Tools	Various	94	NAVSEA	Oct-06	SS/FP	Electric Boat, Groton, CT	Feb-07	Apr-07	Yes	Dec-05
S/CC/A UPS Lifting Device and Handling Cart	Various	2	NAVSEA	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Jan-07	May-07	Yes	Dec-05
West Coast SEAFAC										
HGMS Suspension Components	1	452	NSWCCD	Jul-04	SS/CPAF	SAIC Bremerton, WA	Oct-06	Jan-07	Yes	Dec-04
Beamforming, Processing and Analysis Hardware	Various	373	NSWCCD	Jul-01	SS/CPIF	PSI Fairfax, VA	Oct-06	Jan-07	Yes	Dec-04
Tracking System Components	Various	175	NSWCCD	Oct-06	WR	NSWCCD ARD Bayview, ID	Nov-06	Jan-07	Yes	Mar-05
Voyage Management System										
VMS Radar Kit Installation	1	54	MARMC, Atlantic	Dec-06	WR	MARMC, Atlantic, Norfolk, VA	Jan-07	NA	NA	NA
ECDU Kit Procurement & Certification	1	627	SPAWAR	Dec-06	WR	SPAWAR System Center, Charleston	Jan-07	Jun-08	No	TBD
ECDU Kit Installation	1	539	SPAWAR	Oct-06	WR	SPAWAR System Center, Charleston	Nov-06	NA	NA	NA
ECDU Kit Design	1	164	SPAWAR	Dec-06	WR	SPAWAR System Center, Charleston	Jan-07	Jun-08	No	TBD
Modernization & Technology Upgrades										
HM&E Tech Refresh	Various	3,986	NAVSEA/NUWC KPT	May-07	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-07	Aug-08	Yes	Jan-07

DD Form 2446-1, JUL 87

Classification: **UNCLASSIFIED**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
NPES Tech Refresh	Various	1,318	NAVSEA/NUWC KPT	May-07	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-07	Aug-08	Yes	Jan-07
NTDPS (ULAN + SW Enclave + PODS + Upgrades	Various	3,775	NAVSEA	Jan-07	SS/FP	GD-AIS, Fair Lakes, VA	Feb-07	Jun-07	Yes	NA
VA CCS Tech Refresh for AN/BYG-1	Various	2,806	NAVSEA	Jul-06	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Nov-06	Jun-08	No	TBD
ARCI Upgrades	Various	1,457	NAVSEA	Dec-06	SS/CP-IF/AF	Lockheed Martin, Manassas, VA	Jul-07	Jul-08	No	NA
VA BVS-1 Patriot (Auto Range Finder)	3	800	NAVSEA	Nov-06	C/FP	TBD	Jul-07	Jun-08	No	TBD
VA S/CC/A & Ship NR Eng for Commonality w/ Backfit	Various	21,463	NAVSEA	Jul-06	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Jan-07	Jan-08	No	NA
Photonics Backfit	2	1,545	NAVSEA	Nov-06	SS/FP	GD-AIS, Fair Lakes, VA	Mar-07	Jan-08	Yes	NA
VA AN/BLQ-10 Modernization IO/EA Upgrade	1	7,075	NSSSO	Nov-06	SS/FP	Lockheed Martin, Syracuse, NY	Jun-07	Jun-09	Yes	NA
VA AN/BLQ-10 Modernization Galelite/PSR/LPI/AIS Block Upgr	2	871	NSSSO	Nov-06	SS/FP	Lockheed Martin, Syracuse, NY	Jun-07	Jun-08	Yes	NA
VA AN/BVS-1 Noise Correction Installs	Various	618	NAVSEA	Nov-06	SS/FP	Kollmorgen, Northampton, MA	Mar-07	Jan-08	Yes	NA
VA AN/BVS-1 Field Change Program	Various	1,030	NAVSEA	Nov-06	SS/FP	Kollmorgen, Northampton, MA	Mar-07	Jan-08	Yes	NA
ESM Shock Hardening Retrofit/Raydome	3	530	NSSSO	Nov-06	SS/FP	Lockheed Martin, Syracuse, NY	Jan-07	Jan-08	Yes	Sep-04
ICADF	Various	2,000	NSSSO	Nov-06	SS/FP	Lockheed Martin, Syracuse, NY	Jun-07	Jun-08	Yes	NA
VA AN/BVS-1 Overhauls	Various	1,500	NAVSEA	Nov-06	SS/FP	Kollmorgen, Northampton, MA	Mar-07	Jan-08	Yes	NA
VA AN/BVS-1 Mast Mounted Collimator	Various	113	NUWC, Newport	Jun-07	WR	NUWC, Newport RI	Jul-07	Jan-08	Yes	NA
VA Class GCCS-M/IT-21	1	1,183	SPAWAR	Dec-06	WR	SPAWAR System Center, Charleston, SC	Jan-07	Jun-08	No	NA
S/W License procurement to Support NTDPS	Various	3,768	NAVSEA	Nov-06	SS/CP-IF/AF (SBIR)	Progeny Systems, Manassas, VA	Jan-07	Mar-07	Yes	NA
Initial Post PSA Modernization Shipalt Development	Various	1,324	SUPSHIP Groton	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Dec-06	Jan-07	Yes	NA
CWITT	Various	1,000	SPAWAR/NUWC	Mar-07	WR	SPAWAR, San Diego, CA/NUWC, Newport, RI	Apr-07	May-07	No	NA
System Level Activities PSA/Post PSA	Various	3,474	NAVSEA	Jun-06	SS/CPIF	Electric Boat, Groton, CT	Nov-06	Jan-07	Yes	NA
AN/WWLY-1 Upgrade	Various	935	NAVSEA	Feb-07	SS/CPIF	Progeny Systems, Manassas, VA	Mar-07	Jan-08	Yes	NA
Information Assurance Tool Kit	Various	937	NAVSEA	Jul-06	SS/CPIF	Progeny Systems, Manassas, VA	Jan-07	Jan-08	Yes	NA
Modern Legacy Crypto/ECS PSA Deferrals	Various	3,044	NAVSEA	Jan-07	SS/CPIF	Electric Boat, Groton, CT	Nov-06	Jan-07	Yes	NA
ECS SSN 775 Buyback	Various	2,000	NAVSEA	Oct-06	SS/CPIF	Electric Boat, Groton, CT	Nov-06	Jan-07	Yes	NA
Navigation DSVL Corrections	Various	426	SPAWAR	Dec-06	WR	SPAWAR System Center, Charleston, SC	Jan-07	Jun-07	No	TBD
OBTT (Phase II) (Hull 2) S/W	1	105	NAVSEA	Feb-06	SS/CPIF	Electric Boat, Groton, CT	Oct-06	Mar-07	Yes	Feb-06
Air Turbine Pumps w/ sprag clutch and speed sensor replacements	Various	85	NAVSEA	Oct-06	WR	NUWC, Newport RI	Nov-06	Jan-07	No	NA
Weapons Cradle Upgrade	24	62	NAVSEA	Dec-06	SS/CPIF	Electric Boat, Groton, CT	Jan-07	Jun-07	Yes	NA

DD Form 2446-1, JUL 87

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2008										
VIRGINIA Class SOF Support (Seal Team Portable Berthing)	Various	725	NAVSEA	Feb-08	WR	NUWC Keyport	Mar-08	Dec-08	Yes	NA
VLS Peculiar Support Equipment (VLS-PSE) Total										
AUR Ballast Cans Acq. Life Cycle Supt.	53	35	NUWC	Oct-07	SS/FP OPTION	Penn Iron Works, Sinking Springs, PA	Dec-07	Apr-09	Yes	Oct-04
AURES Modernization MK 112/Dyn. Load banks	19	56	NUWC	Oct-07	WR	NUWCNPT	Dec-07	Apr-09	Yes	Oct-04
Major Shore Spares										
Insurance Spares										
Propulsor No. 1 - Fixed Unit	1	500	NAVSEA	Nov-07	SS/CPIF	BAE Systems LP, Minneapolis, MN	Apr-08	Oct-10	Yes	NA
Propulsor No. 1 - Castings	1	3,363	NAVSEA	Nov-07	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-07	Jan-07	Yes	NA
Propulsor No. 1 - Hdw and Eng. Svcs	1	1,637	NAVSEA	Nov-07	WX; SS/CPIF; SS/CPIF	NSWCCD, Bethesda, MD / Electric Boat, Groton, CT / PTI, Bridgeville, PA	Dec-07	Jan-07	Yes	NA
Service Spares (Propulsor) Rotor No. 2 - Castings	1	10,000	NAVSEA	Nov-07	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-07	Nov-10	Yes	NA
Service Spares (Propulsor) Rotor No 2 - Hdw and Eng. Svcs	1	1,015	NAVSEA	Nov-07	WR; SS/CPIF; SS/CPIF	NSWCCD, Bethesda, MD / Electric Boat, Groton, CT / PTI, Bridgeville, PA	Dec-07	Nov-10	Yes	NA
Propulsor MIP R/R	1	515	SUPSHIP Groton	Nov-07	SS/CPIF	Electric Boat, Groton, CT	Feb-08	Jan-09	Yes	NA
Rotatable Pool										
Miscellaneous (Pumps/Motors/Tanks)	Various	2,447	NAVSEA	Oct-07	SS/CPIF	Electric Boat, Groton, CT	Jan-08	Jun-08	Yes	TBD
Main Propulsion Shaft	2	2,500	NAVSEA	Aug-07	SS/FP	Jorgensen Forge, Seattle WA	Dec-07	Jun-08	Yes	TBD
ILPE Cell Stacks	1	1,396	NAVSEA	Oct-07	SS/CPIF	Electric Boat, Groton, CT	Jan-08	Jun-08	Yes	TBD
HPAC	2	509	NAVSEA	Sep-07	SS/CPIF	Electric Boat, Groton, CT	Dec-07	Jun-08	Yes	TBD
Intermediate & Depot (I&D) Support Equipment Total										
ECL Breech Extension Guide (BEG) Modification	2	23	NAVSEA	Oct-07	SS/FP	NUWC-NPT	Mar-08	May-08	Yes	Aug-06
ECL Handling (1 Set = 4 Cradles))	4	89	NAVSEA	Oct-07	SS/FP	NUWC-NPT	Jan-08	May-08	Yes	Feb-05
ECL Spare Module for the CSA MK2 Mod 2	2	1,296	NAVSEA	Oct-07	SS/FP	NUWC-NPT	Jan-08	Apr-08	Yes	Dec-05
Fleet 3-inch ICL Firing Valve Test Stand-Upgrade	2	101	NAVSEA	Oct-07	SS/FP	NUWC-NPT	Jan-08	Sep-08	Yes	Dec-05
Fiber Optics Repair Kit	Various	97	NAVSEA	Oct-07	SS/FP	Electric Boat, Groton, CT	Mar-08	Jun-08	Yes	Mar-05
Propulsor Handling Gear & Shaft Seal Removal Tool Atlantic Fleet-Naval Shipyard (NSY)	Various	4,041	NAVSEA	Oct-07	SS/FP	Electric Boat, Groton, CT	Jan-08	Nov-08	Yes	TBD
Propulsor Transfers Cars and Rail Assemblies for Atlantic Fleet Naval Shipyard (NSY)	Various	4,728	NAVSEA	Oct-07	SS/FP	Electric Boat, Groton, CT	Jan-08	Nov-08	Yes	TBD
SPS Cofferdam (2nd Set)	1	424	NAVSEA	Oct-07	SS/FP	Electric Boat, Groton, CT	Feb-08	Apr-08	Yes	Feb-05
Weapons Cradle Storage and Shipping Containers	35	16	NAVSEA	Oct-07	SS/FP	NUWC-NPT	Feb-08	Apr-08	Yes	Feb-05

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
Voyage Management System										
VMS Radar Kit Procurement	1	194	NAVSEA	Jul-07	SS/FP	NGES Sperry Marine, Charlottesville, VA	Jan-08	Jun-09	No	TBD
VMS Radar Kit Installation	1	55	MARMC, Atlantic	Dec-07	WR	MARMC, Atlantic, Norfolk, VA	Jan-08	NA	NA	NA
ECDU Kit Procurement & Certification	1	112	SPAWAR	Dec-07	WR	SPAWAR System Center, Charleston, SC	Jan-08	Jun-09	No	TBD
ECDU Kit Installation	1	527	SPAWAR	Oct-07	WR	SPAWAR System Center, Charleston, SC	Nov-07	NA	NA	NA
ECDU Kit Design	1	548	SPAWAR	Dec-07	WR	SPAWAR System Center, Charleston, SC	Jan-08	Jun-09	No	TBD
Modernization & Technology Upgrades										
HM&E Tech Refresh	Various	5,200	NAVSEA/NUWC KPT	May-08	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-08	Aug-09	Yes	Jan-08
NPES Tech Refresh	Various	2,750	NAVSEA/NUWC KPT	May-08	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-08	Aug-09	Yes	Jan-08
NTDPS (ULAN + SW Enclave + PODS + Upgrades	Various	3,717	NAVSEA	Jan-08	SS/FP	GD-AIS, Fair Lakes, VA	Feb-08	Jun-08	Yes	NA
VA CCS Tech Refresh for AN/BYG-1	Various	13,485	NAVSEA	Jul-07	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Nov-07	Jun-09	No	TBD
ARCI Upgrades	Various	12,328	NAVSEA	Dec-07	SS/CP-IF/AF	Lockheed Martin, Manassas, VA	Jul-08	Jul-09	No	NA
VA BVS-1 Patriot (Auto Range Finder)	1	600	NAVSEA	Nov-07	C/FP	TBD	Jul-08	Jun-09	No	TBD
VA S/CC/A & Ship NR Eng for Commonality w/ Backfit	Various	12,010	NAVSEA	Jul-07	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Jan-08	Jan-09	No	NA
Photonics Backfit	1	1,506	NAVSEA	Nov-07	SS/FP	GD-AIS, Fair Lakes, VA	Mar-08	Jan-09	Yes	NA
VA AN/BLQ-10 Modernization IO/EA Upgrade	1	12,276	NSSSO	Nov-07	SS/FP	Lockheed Martin, Syracuse, NY	Jun-08	Jun-10	Yes	NA
VA AN/BLQ-10 Modernization Galelite/PSR/LPI/AIS Block Upgr	1	1,615	NSSSO	Nov-07	SS/FP	Lockheed Martin, Syracuse, NY	Jun-08	Jun-09	Yes	NA
VA AN/BVS-1 Field Change Program	1	1,236	NAVSEA	Nov-07	SS/FP	Kollmorgen, Northampton, MA	Mar-08	Jan-09	Yes	NA
ICADF	Various	2,000	NSSSO	Nov-07	SS/FP	Lockheed Martin, Syracuse, NY	Jun-08	Jun-09	Yes	NA
VA AN/BVS-1 Overhauls	1	800	NAVSEA	Nov-07	SS/FP	Kollmorgen, Northampton, MA	Mar-08	Jan-09	Yes	NA
VA AN/BVS-1 Mast Mounted Collimator	Various	680	NUWC, Newport	Jun-08	WR	NUWC Keyport	Jul-08	Jan-09	Yes	NA
VA Class GCCS-M/IT-21	1	1,175	SPAWAR	Dec-07	WR	SPAWAR System Center, Charleston, SC	Jan-08	Jun-09	No	NA
S/W License procurement to Support NTDPS	1	1,644	NAVSEA	Nov-07	SS/CP-IF/AF (SBIR)	Progeny Systems, Manassas, VA	Jan-08	Mar-08	Yes	NA
Initial Post PSA Modernization Shipalt Development	1	400	NAVSEA	Oct-07	SS/CPIF	Electric Boat, Groton, CT	Nov-07	Jan-08	Yes	NA
CWITT	Various	2,000	SPAWAR/NUWC	Mar-08	WR	SPAWAR, San Diego, CA/NUWC, Newport, RI	Apr-08	May-08	No	NA
System Level Activities PSA/Post PSA	Various	3,544	NAVSEA	Jun-07	SS/CPIF	Electric Boat, Groton, CT	Nov-07	Feb-08	Yes	NA
AN/WLY-1 Upgrade	1	176	NAVSEA	Feb-08	SS/CPIF	Progeny Systems, Manassas, VA	Mar-08	Jan-09	Yes	NA
Information Assurance Tool Kit	1	612	NAVSEA	Jul-07	SS/CPIF	Progeny Systems, Manassas, VA	Jan-08	Jan-09	Yes	NA
Modern Legacy Crypto/ECS PSA Deferrals	Various	2,000	NAVSEA	Jan-08	SS/CPIF	Electric Boat, Groton, CT	Nov-07	Apr-08	Yes	NA
Navigation DSVL Corrections	Various	434	SPAWAR	Dec-07	WR	SPAWAR System Center, Charleston, SC	Jan-08	Jun-08	No	TBD
ISIS	1	13,942	NAVSEA	Nov-07	SS/FP	Kollmorgen, Northampton, MA	Jun-08	Jun-10	No	TBD
VA Cla Air Turbine Pump sprague clutch	Various	88	NAVSEA	Oct-07	WR	NUWC Keyport	Nov-07	Jan-08	No	NA
TSMS/CKT D Buyback	Various	3,600	NAVSEA	Dec-07	SS/CPIF	Electric Boat, Groton, CT	Jun-08	Jun-09	No	NA
Weapons Cradle Upgrade	24	62	NAVSEA	Dec-07	SS/CPIF	Electric Boat, Groton, CT	Jan-08	Jun-08	Yes	NA
Survival Equipment for Sea Riders	Various	440	NAVSEA	Oct-07	SS/CPIF	Electric Boat, Groton, CT	Mar-08	Mar-09	No	NA

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2009										
VIRGINIA Class SOF Support (Seal Team Portable Berthing)	Various	155	NAVSEA	Feb-09	WR	NUWC Keyport	Mar-09	Dec-09	Yes	NA
VLS Peculiar Support Equipment (VLS-PSE) Total										
AUR Ballast Cans Acq. Life Cycle Supt.	27	35	NUWC	Oct-08	SS/FP OPTION	Penn Iron Works, Sinking Springs, PA	Jan-09	Apr-09	Yes	Oct-04
AURES Modernization MK 112/Dyn. Load banks	7	56	NUWC	Oct-08	WR	NUWCNPT	Jan-09	Apr-09	Yes	Oct-04
Major Shore Spares										
Insurance Spares										
Miscellaneous (Pumps/Motors/Drive Assemblies)	Various	740	NAVSEA	Oct-08	SS/CPIF	Electric Boat, Groton, CT	Jan-09	Jun-09	Yes	TBD
Mk21 Air Turbine Pump (ATP) Components	Various	10,560	NAVSEA	Sep-08	SS/FP	NUWCNPT	Jan-09	Sep-09	Yes	TBD
ILPE	1	16,700	NAVSEA	Oct-08	SS/FP	Hamilton Sundstrand, CT	Jan-09	Sep-09	Yes	TBD
Propulsor No. 1 - Castings	1	2,000	NAVSEA	Nov-08	WR	Naval Foundry & Propeller Ctr., Phila., PA	Dec-08	Dec-09	Yes	NA
Propulsor No. 1 - Hdw and Eng. Svcs	1	3,700	NAVSEA	Nov-08	WR; SS/CPIF; SS/CPIF	NSWCCD, Bethesda, MD / Electric Boat, Groton, CT / PTI, Bridgeville, PA	Apr-09	Dec-09	Yes	NA
Propulsor Super Fixture	1	9,600	SUPSHIP Groton	Nov-08	SS/CPIF	Electric Boat, Groton, CT	Mar-09	Jan-10	Yes	NA
Rotatable Pool										
Miscellaneous (Pumps/Motors/Accumulators)	Various	3,618	NAVSEA	Oct-08	SS/CPIF	Electric Boat, Groton, CT	Jan-09	Jun-09	Yes	TBD
Intermediate & Depot (I&D) Support Equipment Total										
Battery Lifting & Handling Gear -Valve Regulated Lead Acid (VRLA)	Various	76	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Jan-09	Mar-09	Yes	Aug-05
Cradle Lock Motor Controller for EMAs	1	76	NAVSEA	Oct-08	SS/CPIF	NUWC-NPT	Feb-09	Apr-09	Yes	Dec-05
Diesel Engine Tools	Various	10	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Dec-08	Feb-09	Yes	Dec-04
Logistic Escape Trunk (LET)/ Logistic Plug Trunk (LPT) Tools	2	12	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Apr-09	Jun-09	Yes	Dec-04
Propulsor Handling Gear & Shaft Seal Removal Tool Atlantic Fleet-Naval Shipyard (NSY)	Various	3,500	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Jan-09	Oct-09	Yes	Feb-05
Propulsor Transfers Cars and Rail Assemblies for Atlantic Fleet Naval Shipyard (NSY)	Various	6,500	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Jan-09	Oct-09	Yes	Feb-05
Retractable Bow Plane (RBP) Cofferdam	1	729	NAVSEA	Oct-08	SS/FP	Electric Boat, Groton, CT	Jan-09	Mar-09	Yes	Jan-06
Sail Racetrack	1	475	NAVSEA	Oct-08	SS/FP	NUWC-NPT	Feb-09	Apr-09	Yes	Dec-04
Weapons Cradle Storage and Shipping Containers	Various	83	NAVSEA	Oct-08	SS/FP	NUWC-NPT	Feb-09	Apr-09	Yes	Dec-05
Voyage Management System										
VMS Radar Kit Procurement	1	198	NAVSEA	Jul-08	SS/FP	NGES Sperry Marine, Charlottesville, VA	Jan-09	Jun-10	No	TBD
VMS Radar Kit Installation	1	56	MARMC, Atlantic	Dec-08	WR	MARMC, Atlantic, Norfolk, VA	Jan-09	NA	NA	NA

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | DATE: **February 2007**

B. APPROPRIATION/BUDGET ACTIVITY
BA-1: SHIPS SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
VIRGINIA CLASS SSN Support Equipment BLI: 094200

SUBHEAD
H1RC

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
ECDU Kit Procurement & Certification	1	115	SPAWAR	Dec-08	WR	SPAWAR System Center, Charleston, SC	Jan-09	Jun-10	No	TBD
ECDU Kit Installation	1	653	SPAWAR	Oct-08	WR	SPAWAR System Center, Charleston, SC	Nov-08	NA	NA	NA
ECDU Kit Design	1	558	SPAWAR	Dec-08	WR	SPAWAR System Center, Charleston, SC	Jan-09	Jun-10	No	TBD
Modernization & Technology Upgrades										
HM&E Tech Refresh	Various	6,520	NAVSEA/NUWC KPT	May-09	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-09	Aug-10	Yes	Jan-09
NPES Tech Refresh	Various	3,870	NAVSEA/NUWC KPT	May-09	TBD/CPIF	Electric Boat Corp./NUWC, Keyport, WA	Aug-09	Aug-10	Yes	Jan-09
NTDPS (ULAN + SW Enclave + PODS + Upgrades	Various	3,767	NAVSEA	Jan-09	SS/FP	GD-AIS, Fair Lakes, VA	Feb-09	Jun-09	Yes	NA
FY03 SCN Shortfall Buyback	Various	16,700	NAVSEA/NSSSO	Jan-09	SS/CPIF/PIF & FP	Progeny Systems, VA/Kollmorgen, MA	Feb-09	Jun-09	No	TBD
VA CCS Tech Refresh for AN/BYG-1	Various	13,283	NAVSEA	Jul-08	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Nov-08	Jun-10	No	TBD
ARCI Upgrades	Various	16,807	NAVSEA	Dec-08	SS/CP-IF/AF	Lockheed Martin, Manassas, VA	Jul-09	Jul-10	No	NA
VA S/CC/A & Ship NR Eng for Commonality w/ Backfit	Various	11,665	NAVSEA	Jul-08	SS/CP-IF/AF	LM Manassas/Raytheon, Portsmouth	Jan-09	Jan-10	No	NA
VA AN/BLQ-10 Modernization IO/EA Upgrade	1	6,248	NSSSO	Nov-08	SS/FP	Lockheed Martin, Syracuse, NY	Jun-09	Jun-11	Yes	NA
VA AN/BLQ-10 Modernization Galelite/PSR/LPI/AIS Block Upgr	1	1,289	NSSSO	Nov-08	SS/FP	Lockheed Martin, Syracuse, NY	Jun-09	Jun-10	Yes	NA
VA AN/BVS-1 Field Change Program	1	1,545	NAVSEA	Nov-08	SS/FP	Kollmorgen, Northampton, MA	Mar-09	Jan-10	Yes	NA
ICADF	Various	2,000	NSSSO	Nov-08	SS/FP	Lockheed Martin, Syracuse, NY	Jun-09	Jun-10	Yes	NA
VA AN/BVS-1 Overhauls	1	850	NAVSEA	Nov-08	SS/FP	Kollmorgen, Northampton, MA	Mar-09	Jan-10	Yes	NA
VA AN/BVS-1 Mast Mounted Collimator	Various	464	NUWC, Newport	Jun-09	WR	NUWC Keyport	Jul-09	Jan-10	Yes	NA
VA Class GCCS-M/IT-21	1	1,185	SPAWAR	Dec-08	WR	SPAWAR System Center, Charleston, SC	Jan-09	Jun-10	No	NA
S/W License procurement to Support NTDPS	1	1,116	NAVSEA	Nov-08	SS/CP-IF/AF (SBIR)	Progeny Systems, Manassas, VA	Jan-09	Mar-09	Yes	NA
CWITT	Various	1,000	SPAWAR/NUWC	Mar-09	WR	SPAWAR, San Diego, CA/NUWC, Newport, RI	Apr-09	May-09	No	NA
System Level Activities PSA/Post PSA	Various	3,614	NAVSEA	Jun-08	SS/CPIF	Electric Boat, Groton, CT	Nov-08	Feb-09	Yes	NA
Information Assurance Tool Kit	1	137	NAVSEA	Jul-08	SS/CPIF	Progeny Systems, Manassas, VA	Jan-09	Jan-10	Yes	NA
Block Buy	Various	5,058	NAVSEA	Oct-08	SS/CPIF	Electric Boat, Groton, CT	Mar-09	Mar-10	No	NA
Modern Legacy Crypto/ECS PSA Deferrals	Various	2,000	NAVSEA	Jan-09	SS/CPIF	Electric Boat, Groton, CT	Nov-08	Apr-09	Yes	NA
Navigation DSVL Corrections	Various	443	SPAWAR	Dec-08	WR	SPAWAR System Center, Charleston, SC	Jan-09	Jun-09	No	TBD
ISIS	1	12,679	NAVSEA	Nov-08	SS/FP	Kollmorgen, Northampton, MA	Jun-09	Jun-11	No	TBD
VA Cla Air Turbine Pump sprague clutch	Various	305	NAVSEA	Oct-08	WR	NUWC Keyport	Nov-08	Jan-09	No	NA
Weapons Cradle Upgrade	24	62	NAVSEA	Dec-08	SS/CPIF	Electric Boat, Groton, CT	Jan-09	Jun-09	Yes	NA
Survival Equipment for Sea Riders	Various	333	NAVSEA	Oct-08	SS/CPIF	Electric Boat, Groton, CT	Mar-09	Mar-10	No	NA

DD Form 2446-1, JUL 87

Classification: **UNCLASSIFIED**

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE SUBMARINE BATTERIES **SUBHEAD NO. H1HM BLIN: 0945**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	25.9			26.2	21.7	40.8	34.2	32.3	29.6	30.1	30.6	0.0	271.4
SPARES COST (In Millions)	0.2			0.2	0.3	0.2	0.1	0.1	0.1	0.0	0.0	0.0	1.2

PROGRAM DESCRIPTION/JUSTIFICATION:

VRLA LOS ANGELES - HM002

Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines, replacing flooded technology which the industrial base ceased to continue supporting in FY05. This change requires an extensive SHIPALT unique for each submarine class. Installations began on the LOS ANGELES Class in FY06 during major availabilities. All dates for VRLA installation on Los Angeles Class submarines are based on the FMPMIS schedule of 24 Oct 2006. Installation costs for Los Angeles class SHIPALT is currently estimated at $4.5M in FY06 dollars with a 120 day duration. When the installation is conducted during EOHs or DMPs, the cost of drydocking the ship is leveraged from the availability. Drydocking costs are incurred as part of the installation when ocurring in a DSRA or outside a CNO maintenance availability. DSRA extension costs ($2.1M in FY06 for 60 day extension) are prorated based on the other SHIPALT installations occurring which also require extending the DSRA. Special Availability costs are estimated at $2.3M in FY06 for a 120 day availabiity. Learning curve efficiencies are priced into follow-on installations.

VRLA LOS ANGELES - HM002 (cont)

Availability Types:

DMP Depot Modernization Period - 13 months

EOH Engineered Overhaul - 16 months

DSRA Drydocking Selected Restricted Availability - 2 months

FY05	FY06	FY07	FY08
SSN 768 DMP Apr-06	SSN 763 DMP Sep-06	SSN 751 DSRA Mar-08	SSN 764 DSRA Jan-09
	SSN 724 EOH Mar-07	SSN 773 DMP Apr-08	SSN 721 EOH Mar-09
	SSN 770 DMP Apr-07	SSN 723 EOH May-08	SSN 725 EOH May-09
	SSN 756 DSRA Sep-07	SSN 760 DSRA Jun-08	SSN 719 DSRA Oct-09
	SSN 772 DMP Jan-08		SSN 761 DSRA Jan-10

FY09	FY10	FY11	FY12
SSN 722 EOH Mar-10	SSN 752 EOH Mar-11	SSN 750 EOH Mar-12	SSN 757 EOH Jan-13
SSN 767 DSRA Mar-10		SSN 755 EOH Mar-12	SSN 766 DSRA Apr-13
SSN 762 DSRA Jun-10		SSN 759 DSRA Apr-12	SSN 758 EOH Jul-13
SSN 720 DSRA Sep-10		SSN 754 EOH Aug-12	
		SSN 753 EOH Sep-12	

TO COMPLETE

FY13	FY14	FY15
SSN 765 DSRA Oct-13	SSN 711 Special Jun-14	SSN 769 DSRA Oct-15
	SSN 771 Special Jun-14	

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE SUBMARINE BATTERIES **SUBHEAD NO. H1HM BLIN: 0945**	

VRLA OHIO - HM008

Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines, replacing flooded technology which the industrial base ceased to continue supporting in FY05. This change requires an extensive SHIPALT unique for each submarine class. Installations began on OHIO Class in FY06. All dates for VRLA installation on Ohio Class submarines are based on the FMPMIS schedule of 24 Oct 2006. Installation costs for Ohio class SHIPALT is currently estimated at $2.3M in FY06 dollars. Learning curve efficiencies are priced into follow-on installations.

Availability Types:
ERP Extended Refit Program
MMP Major Maintenance Period
Special Non-CNO Scheduled Availability

FY06	FY08	FY09	FY10
SSBN 740 ERP Oct-07	SSBN 741 ERP Oct-08	SSBN 742 ERP Oct-09	SSBN 743 ERP Oct-10
		SSGN 728 MMP Mar-10	SSGN 729 MMP Sep-11

FY11	FY12
SSBN 730 Special Jan-12	SSGN 727 MMP Feb-13
	SSGN 726 MMP Sep-13

SEAWOLF - HM009

Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines, replacing flooded technology which the industrial base ceased to continue supporting in FY05. This change requires an extensive SHIPALT unique for each submarine class. Installations began on SEAWOLF Class in FY07. Initial installation was delayed from FY06 due to ship's operational commitments. All dates for VRLA installation on Seawolf Class submarines are based on the FMPMIS schedule of 6 January 2006. Installation costs for Seawolf class SHIPALT is currently estimated at $3.8M in FY06 dollars. Learning curve efficiencies are priced into follow-on installations.

Availability Types:
DPMA Drydocking Phased Manitenance Availability
Special Non-CNO Scheduleds Availability

FY05	FY06	FY07
SSN 22 Special Oct-06	SSN 23 DPMA Aug-07	SSN 21 Special Oct-07

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE SUBMARINE BATTERIES **SUBHEAD NO. H1HM BLIN: 0945**	

VIRGINIA - HM010

Procurement of a low maintenance sealed lead acid battery which involves adapting commercial Valve Regulated Lead Acid (VRLA) technology to submarines, replacing flooded technology which the industrial base ceased to continue supporting in FY05. This change requires an extensive SHIPALT unique for each submarine class. Installations will begin on VIRGINIA Class in FY10. All dates for VRLA installation on Virginia Class submarines are based on the FMPMIS schedule of 6 January 2006. Installation costs for Virginia class SHIPALT is currently estimated at $6.5M in FY06 dollars. Learning curve efficiencies are priced into follow-on installations. The higher installation costs for VIRGINIA Class are driven by extensive lead reballasting requirements during the installation.

Availability Types:
EDSRA Extended Drydocking Selected Restricted Availability
Special Non-CNO Scheduled Availability

FY10	FY11	FY12
SSN 775 EDSRA Jun-11	SSN 776 EDSRA Feb-12	SSN 777 EDSRA Feb-13

TO COMPLETE

FY13	FY14
SSN 779 Special Dec-13	SSN 778 EDSRA Aug-14
	SSN 774 DSRA Sep-14

PRODUCTION ENGINEERING - HM830

NSWC Crane is the designated procurement activity and engineering agent to monitor battery performance to establish replacement schedules with the fleet. Complementing the battery procurements with technical contractual data, NSWC Crane receives sample cells of lead-acid batteries (all types) to perform continuous life testing until complete cell failure. In addition to this being a Military Specification (MILSPEC) requirement, this procedure has proven very beneficial to the Navy in detecting battery deficiencies that can be corrected before installation thus alleviating critical emergent fleet impact. This test program is also used to verify improved operating and maintenance procedures and application of SEAWOLF/VIRGINIA battery technologies to other designs in order to extend service life and reduce the number of battery changeouts (reduced life cycle costs) over the life of the ship. A final procurement of flooded batteries was conducted in FY05 prior to the shutdown of the sole source production plant to support an executable transition to the VRLA battery. Costs associated with establishing a flooded battery storage, maintenance, inventory management (including battery swaps) and activation site, cleanup and storage of government equipment for flooded battery production and VRLA battery shock qualification costs for Planning Yard accomplishment and NSWC Carderock shock support are funded through this line. Funding is provided for Puget Sound and Portsmouth Naval Shipyards responsibilities for the flooded battery inventory storage, maintenance and inventory management and SHIPALT support and AIT management. In addition, costs for Planning Yard SHIPALT completion and Lead Yard Services are funded through this line.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **SUBMARINE BATTERIES** **SUBHEAD NO. H1HM**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
HM002	LOS ANGELES CLASS MAIN STORAGE BATTERY														
	VRLA LOS ANGELES		1,107	5	1,083.8	5,419	4	1,107.7	4,431	5	1,130.9	5,655	4	1,154.7	4,619
	ASB LOS ANGELES CLASS		16,535	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HM008	OHIO CLASS MAIN STORAGE BATTERY														
	VRLA OHIO		0	1	1,701.8	1,702	0	0.0	0	1	1,775.7	1,776	2	1,813.0	3,626
	PDX OHIO CLASS		2,859	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
HM009	SEAWOLF CLASS MAIN STORAGE BATTERY														
	VRLA SEAWOLF		1,185	1	1,134.0	1,134	1	1,158.9	1,159	0	0.0	0	0	0.0	0
HM010	VIRGINIA CLASS MAIN STORAGE BATTERY														
HM830	PRODUCTION ENGINEERING	A	4,214	0	0.0	5,786	0	0.0	5,563	0	0.0	2,784	0	0.0	2,499
	TOTAL EQUIPMENT		**25,900**			**14,041**			**11,153**			**10,214**			**10,744**
	INSTALLATION														
HM5IN	FMP INSTALLATION		0	0	0.0	12,180	0	0.0	10,574	0	0.0	30,623	0	0.0	23,466
	TOTAL INSTALLATION		**0**			**12,180**			**10,574**			**30,623**			**23,466**
TOTAL			**25,900**			**26,221**			**21,727**			**40,837**			**34,210**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE SUBMARINE BATTERIES BLIN: 0945**				**SUBHEAD H1HM**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HM002 LOS ANGELES CLASS MAIN STORAGE BATT										
VRLA LOS ANGELES	5	1,083.8	NSWC CRANE		SS/FP	GNB AURORA ILL	MAR-06	OCT-06	YES	
HM008 OHIO CLASS MAIN STORAGE BATTERY										
VRLA OHIO	1	1,701.8	NSWC CRANE		SS/FP	GNB AURORA ILL	MAR-06	OCT-06	YES	
HM009 SEAWOLF CLASS MAIN STORAGE BATTERY										
VRLA SEAWOLF	1	1,134.0	NSWC CRANE		SS/FP	GNB AURORA ILL	MAR-06	OCT-06	YES	
FY 2007										
HM002 LOS ANGELES CLASS MAIN STORAGE BATT										
VRLA LOS ANGELES	4	1,107.7	NSWC CRANE		SS/FP	GNB AURORA ILL	FEB-07	MAR-08	YES	
HM009 SEAWOLF CLASS MAIN STORAGE BATTERY										
VRLA SEAWOLF	1	1,158.9	NSWC CRANE		SS/FP	GNB AURORA ILL	FEB-07	OCT-07	YES	
FY 2008										
HM002 LOS ANGELES CLASS MAIN STORAGE BATT										
VRLA LOS ANGELES	5	1,130.9	NSWC CRANE		TBD	TBD	DEC-07	JAN-09	YES	
HM008 OHIO CLASS MAIN STORAGE BATTERY										
VRLA OHIO	1	1,775.7	NSWC CRANE		TBD	TBD	DEC-07	OCT-08	YES	
FY 2009										
HM002 LOS ANGELES CLASS MAIN STORAGE BATT										
VRLA LOS ANGELES	4	1,154.7	NSWC CRANE		TBD	TBD	DEC-08	MAR-10	YES	
HM008 OHIO CLASS MAIN STORAGE BATTERY										
VRLA OHIO	2	1,813.0	NSWC CRANE		TBD	TBD	DEC-08	OCT-09	YES	

CLASSIFICATION: UNCLASSIFIED				February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION				
MODELS OF SYSTEM AFFECTED HM002 LOS ANGELES CLASS MAIN STORAGE BATTERY VRLA LOS ANGELES	TYPE MODIFICATION:	MODIFICATION TITLE: SUBMARINE BATTERIES		
DESCRIPTION/JUSTIFICATION:				
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:				

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	1	1.1	5	5.4	4	4.4	5	5.7	4	4.6	1	1.2	5	6.0	3	3.7	1	1.3	3	3.9	32	37.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			2	8.4	2	7.7	6	25.0	5	21.5	4	18.7	2	6.7	3	12.6	4	16.3	4	24.7	32	141.6
TOTAL PROCUREMENT		1.1		13.8		12.1		30.7		26.1		19.9		12.7		16.3		17.6		28.6		178.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LOS ANGELES CLASS MAIN STORAGE BATTERY VRLA LOS ANGELES	MODIFICATION TITLE: SUBMARINE BATTERIES

INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			AIT					
ADMINISTRATIVE LEADTIME:			1 Months	PRODUCTION LEADTIME:		6 Months		
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:	FEB-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:	OCT-06	FY 2007:	MAR-08	FY 2008:	JAN-09	FY 2009:	MAR-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS			1	4.2																	1	4.2
FY 2006 EQUIPMENT			1	4.2	2	7.7	2	8.3													5	20.2
FY 2007 EQUIPMENT							4	16.6													4	16.6
FY 2008 EQUIPMENT									5	21.5											5	21.5
FY 2009 EQUIPMENT											4	18.7									4	18.7
FY 2010 EQUIPMENT													1	3.3							1	3.3
FY 2011 EQUIPMENT													1	3.3	3	12.6	1	4.1			5	20.0
FY 2012 EQUIPMENT																	3	12.2			3	12.2
FY 2013 EQUIPMENT																			1	6.1	1	6.1
TO COMPLETE																			3	18.5	3	18.5

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	1	1	0	1	1	0	1	2	3	0	0	2	1	2	0	2	1	1	0	1	1	0	0	1	1	1	1	1	1	0	5	32
Out	0	0	0	1	1	0	1	1	0	1	2	3	0	0	2	1	2	0	2	1	1	0	1	1	0	0	1	1	1	1	1	1	0	5	32

Remarks:

CLASSIFICATION: UNCLASSIFIED | **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
HM008 OHIO CLASS MAIN STORAGE BATTERY VRLA OHIO		SUBMARINE BATTERIES

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	1.7			1	1.8	2	3.6	2	3.7	1	1.9	2	3.9					9	16.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	2.7	1	2.0	2	5.1	2	4.2	1	2.1	2	4.3			9	20.4
TOTAL PROCUREMENT				1.7				4.5		5.6		8.8		6.1		6.0		4.3				37.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED OHIO CLASS MAIN STORAGE BATTERY VRLA OHIO	MODIFICATION TITLE: SUBMARINE BATTERIES

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:			1 Months	PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:		FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:	OCT-06	FY 2007:		FY 2008:	OCT-08	FY 2009:	OCT-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT							1	2.7													1	2.7
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									1	2.0											1	2.0
FY 2009 EQUIPMENT											2	5.1									2	5.1
FY 2010 EQUIPMENT													2	4.2							2	4.2
FY 2011 EQUIPMENT															1	2.1					1	2.1
FY 2012 EQUIPMENT																	2	4.3			2	4.3
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	0	1	0	0	0	1	0	1	0	9
Out	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	1	1	0	0	1	0	0	1	0	1	0	0	0	1	0	1	0	9

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED HM009 SEAWOLF CLASS MAIN STORAGE BATTERY VRLA SEAWOLF	TYPE MODIFICATION:	MODIFICATION TITLE: SUBMARINE BATTERIES	
DESCRIPTION/JUSTIFICATION:			
Note: VRLA procurement in FY13 is a replacment battery and will be installed by the fleet, not as part of this budget.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	1	1.2	1	1.1	1	1.2											1	1.1			4	4.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			1	3.8	1	2.9	1	3.0													3	9.7
TOTAL PROCUREMENT		1.2		4.9		4.1		3.0										1.1				14.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED SEAWOLF CLASS MAIN STORAGE BATTERY VRLA SEAWOLF	MODIFICATION TITLE: SUBMARINE BATTERIES

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:		1 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:	FEB-07	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	OCT-06	FY 2007:	OCT-07	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS			1	3.8																	1	3.8
FY 2006 EQUIPMENT					1	2.9															1	2.9
FY 2007 EQUIPMENT							1	3.0													1	3.0
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Out	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE STRATEGIC PLATFORM SUPPORT EQUIP **SUBHEAD NO. H1HH BLIN: 0950**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	28.3	A		14.6	26.1	10.1	10.0	10.0	15.7	16.0	16.3	0.0	147.1
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

Funding in this P-1 line provides for the procurement of tactical Hull, Mechanical and Electrical (HM&E) equipment that will be installed aboard ships and in the facilities at the TRIDENT Refit Facility (TRIREFFAC) Navy Intermediate Maintenance Facility (NAVIMFAC) and TRIDENT Training Facility (TRITRAFAC). The TRIDENT Refit Facility and Navy Intermediate Maintenance Facility (NAVIMFAC) is a dedicated shore support facility providing a full range of industrial support. The TRITRAFAC provides the crews for the SSBN 726 Class Submarines with realistic training experience in operating and maintaining shipboard equipment.

HM&E AND STRATEGIC WEAPONS SYSTEMS/SUPPORT SUBSYSTEM (SWS/SS) ALTERATIONS (HH009)-

This provides for the replacement of obsolete equipment on board of SSBN 726 Class Submarines and at dedicated Shore Support Facilities (TLCSF, TRITRAFAC (B), NAVIMFAC (B), TRITRAFAC (KB), TRIREFFAC (KB), Major Shore Spares (MSS)). These alterations are necessary in order to replace obsolete/outdated equipments with new equipments to maintain or increase mission capabilities, replace or modify components/systems which have proven to be unreliable, correct design and safety problems and reduce fleet maintenance burdens. It provides for installation of Noise Quieting Equipment and system/hull modification to reduce noise transmission to meet Submarine Silencing goals. Alterations and actions are done at the lowest practicable and authorized level (taking into consideration urgency, priority, capability, capacity and cost). Alterations to SSBN 726 Class Submarines are scheduled for accomplishment at the TRIREFFAC, Kings Bay and NAVIMFAC, Bangor. This requires equipment procurement and installation, technical planning, training, and associated resources. This line provides for material procurement necessary to install the required alterations to SSBN 726 Class Submarines at the NAVIMFAC, Bangor, and the TRIREFFAC, Kings Bay. Additionally, this line provides for the utilization of specially trained and dedicated installation teams to ensure accelerated and correct installation of complex and high priority alterations within specific timeframes. Provided are comprehensive program management and execution, including planning, direction, control, installation, integration, and coordination of specifically selected safety related, mission enhancement or technical HM&E alterations.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE STRATEGIC PLATFORM SUPPORT EQUIP **SUBHEAD NO. H1HH BLIN: 0950**	

TRIDENT ENGINEERED AVAILABILITY (EA) (HH012)

TRIDENT EA material support funding is required to provide replacement and contingency material to support the critical path schedule during the SSBN 726 Class Submarine Engineered Availabilities (EAs) commencing in FY93 and continuing through the operational life of the submarine. Funding is also required to formulate or procure complex tools and fixtures required to reduce EA scheduled durations. This program also provides funding for installation of Depot level alterations packages.

SSGN MODIFICATIONS (HH0GN)

Provides for procurement of SSGN unique system components that will be installed during planned modernization periods. In addition, this will provide funding to perform integrated testing of these unique systems to ensure satisfactory operation with other HM&E and Combat Systems.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **STRATEGIC PLATFORM SUPPORT EQUIP** **SUBHEAD NO. H1HH**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N87 - SUBMARINE WARFARE														
HH009	EQUIPMENT HM&E & SWS/SS ALTERATION														
	SCS PY SHIPALT DEV	A	0	0	0.0	0	0	0.0	6,824	0	0.0	1,851	0	0.0	2,823
HH012	EQUIPMENT HM&E TRIDENT ENGINGEERING AVAILABIL														
	HM&E EQUIPMENT REFURBISHMENT & SHIPBOARD TES	A	0	1	1,203.7	1,204	1	1,172.0	1,172	1	932.0	932	1	1,133.0	1,133
	SHIPALT INSTALLATION PLANNING AND ENGINEERING	A	0	1	2,156.3	2,156	1	2,051.0	2,051	1	1,631.0	1,631	1	1,983.0	1,983
	CCS EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	A	0	1	1,712.0	1,712	1	1,661.0	1,661	1	1,321.0	1,321	1	1,613.0	1,613
HH0GN	SSGN MODIFICATIONS														
	SSGN DIVER EMER 02 RECOMPRESSION	A	0	0	0.0	0	0	0.0	1,120	0	0.0	440	0	0.0	0
	SSGN SELF CONTAINED BREATHING APPARATUS	A	0	0	0.0	633	0	0.0	423	0	0.0	166	0	0.0	0
	SSGN TACTICAL AUR BALLAST	A	0	0	0.0	650	1	492.0	492	1	1,026.0	1,026	1	1,196.0	1,196
	SSGN BMC-SOF C&C 727/729	A	0	0	0.0	0	0	0.0	2,592	0	0.0	1,321	0	0.0	0
	SSGN MAC RETENTION SEGMENTS	A	0	0	0.0	0	0	0.0	2,727	0	0.0	0	0	0.0	0
	SSGN ESCAPE TRUNK UPPER HATCH BALL SCREW OP	A	0	0	0.0	0	0	0.0	0	2	650.0	1,300	2	650.0	1,300
	SSGN CCS INTEGRATION AND TESTING	A	0	0	0.0	3,052	0	0.0	2,725	0	0.0	88	0	0.0	0
	ATTACK WEAPONS SYSTEM	A	0	0	0.0	1,470	0	0.0	0	0	0.0	0	0	0.0	0
HHCA1	CONGRESSIONAL ADD														
	AN/UYQ-70 COMMON ELECTRONICS REPL	A	0	1	3,749.0	3,749	1	4,300.0	4,300	0	0.0	0	0	0.0	0
	N87 Subtotal		**0**			**14,626**			**26,087**			**10,076**			**10,048**
	TOTAL EQUIPMENT		**0**			**14,626**			**26,087**			**10,076**			**10,048**
TOTAL			**0**			**14,626**			**26,087**			**10,076**			**10,048**

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **STRATEGIC PLATFORM SUPPORT EQUIP** **SUBHEAD NO. H1HH**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost

Comment:

HH0GN - Quantities shown as zero consist of various items being funded as opposed to a complete end item procurement quantity. The quantities are shown as zeros due to template limitations which only allow input of numeric data .

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE STRATEGIC PLATFORM SUPPORT EQUIP BLIN: 0950**				**SUBHEAD H1HH**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HH012 EQUIPMENT HM&E TRIDENT ENGINGEERING										
&E EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,203.7	NAVSEA	N/A	WX	NSWC CD, PHILADELPHIA PA	APR-06	AUG-06	YES	
LT INSTALLATION PLANNING AND ENGINEERING SER	1	2,156.3	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-06	AUG-06	YES	
S EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,712.0	NAVSEA	N/A	WX	NUWC NEWPORT, RI	APR-06	AUG-06	YES	
HHCA1 CONGRESSIONAL ADD										
AN/UYQ-70 COMMON ELECTRONICS REPL	1	3,749.0	NAVSEA	N/A	OTHER	LOCKHEED MARTIN, EAGAN MN	JUN-06	JUL-06	YES	
FY 2007										
HH012 EQUIPMENT HM&E TRIDENT ENGINGEERING										
&E EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,172.0	NAVSEA	N/A	WX	NSWC CD, PHILADELPHIA PA	APR-07	AUG-07	YES	
LT INSTALLATION PLANNING AND ENGINEERING SER	1	2,051.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-07	AUG-07	YES	
S EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,661.0	NAVSEA	N/A	WX	NUWC NEWPORT, RI	APR-07	AUG-07	YES	
HH0GN SSGN MODIFICATIONS										
SSGN TACTICAL AUR BALLAST	1	492.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-07	AUG-07	YES	
HHCA1 CONGRESSIONAL ADD										
AN/UYQ-70 COMMON ELECTRONICS REPL	1	4,300.0	NAVSEA	N/A	OTHER	LOCKHEED MARTIN, EAGAN MN	JUN-07	AUG-07	YES	
FY 2008										
HH012 EQUIPMENT HM&E TRIDENT ENGINGEERING										
&E EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	932.0	NAVSEA	N/A	WX	NSWC CD, PHILADELPHIA PA	APR-08	AUG-08	YES	
LT INSTALLATION PLANNING AND ENGINEERING SER	1	1,631.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-08	AUG-08	YES	
S EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,321.0	NAVSEA	N/A	WX	NUWC NEWPORT, RI	APR-08	AUG-08	YES	
HH0GN SSGN MODIFICATIONS										
SSGN TACTICAL AUR BALLAST	1	1,026.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-08	AUG-08	YES	
ESCAPE TRUNK UPPER HATCH BALL SCREW OPER	2	650.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-08	AUG-08	YES	
FY 2009										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE STRATEGIC PLATFORM SUPPORT EQUIP BLIN: 0950**				**SUBHEAD H1HH**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HH012 EQUIPMENT HM&E TRIDENT ENGINGEERING										
&E EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,133.0	NAVSEA	N/A	WX	NSWC CD, PHILADELPHIA PA	APR-09	AUG-09	YES	
LT INSTALLATION PLANNING AND ENGINEERING SER	1	1,983.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-09	AUG-09	YES	
S EQUIPMENT REFURBISHMENT & SHIPBOARD TEST	1	1,613.0	NAVSEA	N/A	WX	NUWC NEWPORT, RI	APR-09	AUG-09	YES	
HH0GN SSGN MODIFICATIONS										
SSGN TACTICAL AUR BALLAST	1	1,196.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-09	AUG-09	YES	
ESCAPE TRUNK UPPER HATCH BALL SCREW OPER	2	650.0	NAVSEA	N/A	OTHER	EB CORP., GROTON, CT	APR-09	AUG-09	YES	

Remarks:

CONTRACT METHODS LISTED AS "OTHER" ARE COST PLUS FIXED FEE (CPFF) CONTRACTS.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE DSSP EQUIPMENT **SUBHEAD NO. 81HJ BLIN: 0955**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	87.2	A		12.5	4.7	6.2	3.4	2.4	2.4	2.5	2.5	0.0	123.8
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

The Advanced Undersea Systems Program (AUS) formerly Deep Submergence Systems Program (DSSP) is responsible for the procurement, life cycle support, and improvement and modernization of assigned platforms and programs. The AUS program provides for the procurement of equipment to support the establishment and maintenance of fleet capability for a number of programs which perform submarine research and rescue, inspection, object location and retrieval from the ocean environment, and research and scientific exploration missions. AUS procurements replace obsolete, non-supportable equipment and subsystems through phased improvement and modernization projects. These projects may include special ship alterations, field change kits, and design corrections.

SOURCES:

The sources for these acquisitions are limited. There are few private companies actively engaged in deep ocean engineering and even fewer with the specialized experience, knowledge, and facilities to meet the exacting requirements of the DSSP programs. Accordingly, sole source contracts are typically required with LESC, CSDL, and LMTDS to continue their support of the various DSSP programs. Where possible, contracting via open competition is utilized.

REFERENCES:

Acquisition Plans 584-87 Revision 7 approved August 2000. Acquisition plan for Submarine Escape and Rescue is reviewed twice annually by Submarine Escape and Rescue Review Group (SERRG). AUS systems include:

RESCUE SUPPORT EQUIPMENT (HJ030)

UNMANNED VEHICLE SYSTEMS

The Tethered Unmanned Work Vehicle System (TUWVS) and Klein 3000 Side Looking Sonar provides operational forces with an effective means of conducting ocean bottom searches, support submarine rescue, inspections, object recovery, and work operations to a depth of 5,000 feet. This asset is also the rescue asset for the Deep Submergence Rescue Vehicle.

ATMOSPHERIC DIVING SYSTEM/SUBMARINE RESCUE DIVING and RECOMPRESSION SYSTEM

The Atmospheric Diving System (ADS) is a component of the Submarine Rescue Diving and Recompression System (SRDRS). This modified COTS one-man, one atmosphere diving will also provide world-wide capability in support of the Submarine Rescue Chamber (SRC) mission. ADS will be used to clear disabled submarines seating surfaces, attach the SRC downhaul cable and attach salvage fittings. SRDRS is under development with NAVSEA PMS 394 and will start certification in FY07. It will become a Deep Submergence Systems Rescue or The Advanced Undersea Systems Program (AUS) asset upon delivery.

SURVIVABILITY

This effort will provide a more efficient CO2 removal capability giving the fleet an increase in survival time from 3 days to 7 days for a disabled submarine and add state of the art atmospheric monitoring equipment aboard each submarine. This effort will expend $9M over the next three fiscal years to outfit the Submarine Fleet as directed by the Submarine Escape and Rescue Review Group (SERRG).

SUBMARINE NR-1 (HJ020)

The NR-1 is a unique, one-of-a-kind nuclear-powered research and ocean engineering submarine designed for extended search, object recovery, device implantment and submerged repair, and oceanographic research missions. Its research capabilities include ocean topography and geology, and it is capable of on-site data collection on the thermal, optical, biological, and acoustic environments of the deep ocean. The NR-1 is equipped with several special systems which provide the capability to perform a number of military and scientific missions, and it has been successful in recovering items of high military value from the ocean floor. (For example, the NR-1 was an important element of the space shuttle "Challenger" recovery operations.) NR-1 is scheduled to be decommissioned in FY2008.

SUBMARINE ESCAPE & IMMERSION EQUIPMENT (SEIE) (HJ100)

The SEIE is used by a submariner to escape from a disabled submarine and survive on the surface until rescued. The system, which has been adapted from a British design, includes the escape suit, inner thermal suit and a single person life raft, all packaged as a unit onboard the submarine. This is a safety/survival appliance that is vastly superior to the current Stienke Hood escape appliance onboard USN submarines, which has reached obsolescence and has become a maintenance burden to the fleet. The SEIE increases the escape depth to 600 FSW and provides thermal protection to the user from hypothermia. The increase in funding over previous years accelerates introduction of SEIE to the Submarine Fleet. The funding also incorporates mandatory escape assistance devices for all escape trunk hatches to ensure safe escape by personnel from the disabled submarine.

EQUIPMENT INSTALLATION (HJINS/HJ927)

These funds are for the installation of The Advanced Undersea Systems Program (AUS) equipment, as well as the SEIE equipment. The increase is funding over previous years accelerates introduction of SEIE to the Submarine Fleet.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **DSSP EQUIPMENT** **SUBHEAD NO. 81HJ**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N87 - SUBMARINE WARFARE														
HJ020	NR-1														
	MISC HM&E UPGRADES		2,355	0	0.0	654	0	0.0	348	0	0.0	0	0	0.0	0
	SEIE UPGRADES FOR NR-1		393	0	0.0	56	0	0.0	0	0	0.0	0	0	0.0	0
	ELECTRONIC UPGRADES	A	0	0	0.0	70	0	0.0	315	0	0.0	0	0	0.0	0
HJ030	RESCUE SUPPORT EQUIPMENT														
	UMV UPGRADES		0	0	0.0	117	0	0.0	0	0	0.0	0	0	0.0	0
	SRDRS MOORING SYSTEM UPGRADE		0	0	0.0	1,006	0	0.0	0	0	0.0	0	0	0.0	0
	UPPER HATCH LINKAGE UPGRADES		0	0	0.0	0	0	0.0	0	0	0.0	2,100	0	0.0	1,800
	VEHICLE UPGRADES	A	0	0	0.0	55	0	0.0	0	0	0.0	0	0	0.0	0
	ADS LARS 1	A	0	0	0.0	508	0	0.0	0	0	0.0	0	0	0.0	0
	SRDRS SYSTEM UPGRADE SPARES	A	0	0	0.0	2,463	0	0.0	640	0	0.0	1,359	0	0.0	1,277
	SRDRS SPARES AND TOOLS	A	2,405	0	0.0	1,930	0	0.0	0	0	0.0	0	0	0.0	0
	ADS SUIT 1 UPGRADE/CERT	A	0	0	0.0	600	0	0.0	0	0	0.0	0	0	0.0	0
	LARS DECK SKID	A	0	0	0.0	491	0	0.0	0	0	0.0	0	0	0.0	0
	ADS UPGRADES	A	11,807	0	0.0	0	0	0.0	1,131	0	0.0	400	0	0.0	300
HJ100	SUBMARINE ESCAPE & IMMERSION EQUIPMENT														
	LA CLASS SEIE EQUIPMENT UPGRADE		0	0	0.0	343	0	0.0	0	0	0.0	0	0	0.0	0
	LA CLASS SEIE SUIT SETS	A	35,961	1	277.0	277	0	0.0	0	0	0.0	0	0	0.0	0
HJ927	(FMP)	A	32,180	3	1,326.0	3,978	2	1,138.0	2,276	2	1,150.0	2,300	0	0.0	0
	N87 Subtotal		**85,101**			**12,548**			**4,710**			**6,159**			**3,377**
	TOTAL EQUIPMENT		**85,101**			**12,548**			**4,710**			**6,159**			**3,377**

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **DSSP EQUIPMENT** **SUBHEAD NO. 81HJ**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	INSTALLATION														
	Sponsor: N87 - SUBMARINE WARFARE														
HJINS	INSTALL OF EQUIPMENT	A	2,093	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	N87 Subtotal		**2,093**			**0**			**0**			**0**			**0**
	TOTAL INSTALLATION		**2,093**			**0**			**0**			**0**			**0**
TOTAL			**87,194**			**12,548**			**4,710**			**6,159**			**3,377**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE DSSP EQUIPMENT BLIN: 0955				SUBHEAD 81HJ	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HJ100 SUBMARINE ESCAPE & IMMERSION EQUIPME										
LA CLASS SEIE SUIT SETS	1	277.0	NAVSEA		SS/OPTION	NAVAL REGIONAL CONTRACTIN	OCT-05	FEB-06	YES	
HJ927										
(FMP)	3	1,326.0	NAVSEA		WX	PORTSMOUTH NSY	FEB-06	AUG-06		
FY 2007										
HJ927										
(FMP)	2	1,138.0	NAVSEA		WX	PORTSMOUTH NSY	DEC-06	AUG-07		
FY 2008										
HJ927										
(FMP)	2	1,150.0	NAVSEA		WX	PORTMOUTH NSY	FEB-08	AUG-08		

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED HJ100 SUBMARINE ESCAPE & IMMERSION EQUIPMENT LA CLASS SEIE SUIT SETS	TYPE MODIFICATION:	MODIFICATION TITLE: DSSP EQUIPMENT

DESCRIPTION/JUSTIFICATION:

The SEIE is used by a submariner to escape from a disabled submarine and survive on the surface until rescued. The system, which has been adapted from a British design, includes the escape suit, inner thermal suit and a single person life raft, all packaged as a unit onboard the submarine. This is a safety/survival appliance that is vastly superior to the current Stienke Hood escape appliance onboard USN submarines, which has reached obsolescence and has become a maintenance burden to the fleet. The SEIE increases the escape depth to 600 FSW and provides thermal protection to the user from hypothermia. The increase in funding over previous years accelerates introduction of SEIE to the Submarine Fleet. The funding also incorporates mandatory escape assistance devices for all escape trunk hatches to ensure safe escape by personnel from the disabled submarine. Prior equipment costs included Stienke Hood appliances, SEIE valves, training suts, life rafts, crash bags, Improved Powered Hatch Operator (IPHO) kits, and hatch modifications.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	368	36.0	1	0.3																	369	36.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	59	22.0	3	4.0	2	2.3	2	2.3													66	30.6
TOTAL PROCUREMENT		58.0		4.3		2.3		2.3														66.9

CLASSIFICATION: UNCLASSIFIED								February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)								
MODELS OF SYSTEM AFFECTED SUBMARINE ESCAPE & IMMERSION EQUIPMENT LA CLASS SEIE SUIT SETS						MODIFICATION TITLE: DSSP EQUIPMENT		
INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			VARIOUS					
ADMINISTRATIVE LEADTIME:		Months		PRODUCTION LEADTIME:		Months		
CONTRACT DATES:	FY 2006:	OCT-05	FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:	FY 2006:	FEB-06	FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	65																				65	
FY 2006 EQUIPMENT			1	0.3																	1	1.3
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	59	1	2	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66
Out	59	0	0	1	2	0	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66

Remarks: The equipment and installation on this page is only for SEIE suits. The higher equipment quantity of 368 on page 6 includes prior generation escape equipment (ex. Stienke Hoods) and additional equipment required for SEIE suits installation (ex. valves, kits, hatch modifications, training suits, life rafts and crash bags). Installation dates are based upon ship availability.

Exhibit P-40, BUDGET ITEM JUSTIFICATION

DATE
February 2007

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/BA 1

P-1 LINE ITEM NOMENCLATURE
CG MODERNIZATION
SUBHEAD NO. 11CC BLIN: 0960

Program Element for Code B Items

Other Related Program Elements
0604307N, 0604567N, 0204221N

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	42.1			125.5	232.7	267.8	299.3	361.2	454.5	463.7	473.0	669.7	3,389.4
SPARES COST (In Millions)	0.0			4.4	6.6	3.3	4.7	7.9	7.8	8.8	1.7	0.0	45.2

PROGRAM DESCRIPTION/JUSTIFICATION:

Modernized CG47 Class ships will operate independently or as units of Carrier Battle Groups and Surface Action Groups, in support of the Marine Amphibious Task Forces in multithreat environments that include air, surface and subsurface threats. These ships will respond to Low Intensity Conflict/Coastal and Littoral Offshore Warfare (LIC/CALOW) and joint mission scenarios as well as open ocean conflict, providing and augmenting power projection and forward presence. These ships will conduct Air Dominance, Land Attack, and Force Protection missions. The first CG Modernization (CGM) availability starts in FY2008 and two availabilities start in FY2009.

CC001

Procures SPQ-9B for all CG Modernization ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and Integrated Logistics Support (ILS).

CC002

Procures Shipboard Advanced Radar Target Identification System (SARTIS) including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC003

Procures Cooperative Engagement Capability (CEC) for all ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC004

Procures AN/SQQ-89 for Baseline 3 and 4 ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC005
Procures Ship Gridlock System (SGS) and the Common Data Link Management System (CDLMS) for Baseline 2 ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC007
Procures AEGIS Weapons System (AWS) upgrade for all ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC008
Procures Vertical Launch System (VLS) upgrade for all ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC009
Procures Close In Weapon System (CIWS-1B) for outyear availabilities including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC010
Procures MK34 Gun Weapon System (GWS) Upgrade for all ships including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC011
Procures Smartship (Integrated Ship Controls (ISC))for all ships requiring upgrade including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS.

CC012
Procures Commercial Off The Shelf (COTS) Refresh (CR-2) equipment including equipment procurement, non-recurring and recurring equipment engineering, equipment integration, and ILS for various Virginia Sites test facilities. Virginia Sites perform a variety of functions including life-cycle supprt of the AWS and AEGIS combat training for officer and enlisted watchstanders.

CC013
Provides Planning Yard Design Services Allocation (DSA) (design, advance planning, kitted material), MSR installations and AIT installation support.

CC014
Conjunctive Combat System Alterations includes design integration, COTS refresh, procurement and backfit installation.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System CG47 CLASS CRUISER MODERNIZATION	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **CG MODERNIZATION** **SUBHEAD NO. 11CC**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
CC001	SPQ-9B UPGRADE														
	SPQ-9B EQUIPMENT		5,885	0	0.0	430	2	6,200.5	12,401	3	7,144.7	21,434	2	7,794.0	15,588
	SPQ-9B NON-RECURRING ENGINEERING		0	0	0.0	215	0	0.0	0	0	0.0	0	0	0.0	0
CC002	SARTIS		238	0	0.0	75	1	155.0	155	2	110.0	220	2	142.0	284
CC003	CEC		0	1	4,427.0	4,427	2	4,524.5	9,049	3	4,692.3	14,077	2	4,841.0	9,682
CC004	AN/SQQ-89														
	AN/SQQ-89 UPGRADE		0	0	0.0	0	0	0.0	0	0	0.0	1,200	1	18,789.0	18,789
	AN/SQQ-89 UPGRADE (NON-RECURRING)		10,274	0	0.0	0	0	0.0	1,633	0	0.0	8,350	0	0.0	4,025
CC005	SGS / CDLMS														
	SGS / CDLMS		0	0	0.0	916	1	895.0	895	2	742.5	1,485	2	778.5	1,557
CC007	AWS UPGRADE														
	AWS EQUIPMENT		3,476	1	28,771.0	28,771	2	27,278.5	54,557	3	27,818.3	83,455	3	30,977.0	92,931
	AWS NON-RECURRING ENGINEERING		0	0	0.0	15,411	0	0.0	2,817	0	0.0	1,622	0	0.0	3,854
CC008	VLS UPGRADE		9,710	0	0.0	2,861	2	13,022.0	26,044	2	14,139.0	28,278	3	14,738.3	44,215
CC010	MK34 UPGRADE														
	MK34 EQUIPMENT		0	1	6,870.0	6,870	2	7,260.5	14,521	3	7,130.0	21,390	2	7,299.0	14,598
	MK34 NON-RECURRING ENGINEERING		3,898	0	0.0	8,283	0	0.0	1,695	0	0.0	1,398	0	0.0	0
CC011	ISC UPGRADE		0	1	8,728.0	8,728	2	8,458.5	16,917	0	0.0	139	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System CG47 CLASS CRUISER MODERNIZATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **CG MODERNIZATION** **SUBHEAD NO. 11CC**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
CC012	VIRGINIA SITES														
	VIRGINIA SITES		0	0	0.0	20,649	0	0.0	19,051	0	0.0	950	0	0.0	700
CC013	INSTALLATION / DSA / AIT														
	INSTALLATION / DSA / AIT		8,631	0	0.0	4,378	0	0.0	21,950	0	0.0	58,643	0	0.0	78,148
CC014	CONJUNCTIVE COMBAT SYSTEM ALTERATIONS														
	CONJUNCTIVE COMBAT SYSTEM ALTERATIONS		0	0	0.0	23,504	0	0.0	51,045	0	0.0	25,168	0	0.0	14,927
	TOTAL EQUIPMENT		**42,112**			**125,518**			**232,730**			**267,809**			**299,298**
TOTAL			**42,112**			**125,518**			**232,730**			**267,809**			**299,298**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System CG47 CLASS CRUISER MODERNIZATION				**DATE** **February 2007**	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**					**P-1 LINE ITEM NOMENCLATURE** **CG MODERNIZATION** **BLIN: 0960**				**SUBHEAD** **11CC**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
CC003										
CEC	1	4,427.0	NAVSEA	NOV-05	FFP	RAYTHEON, PETERSBURG, FL	MAR-06	MAR-08	YES	
CC007 AWS UPGRADE										
AWS EQUIPMENT	1	28,771.0	NAVVSEA	NOV-05	FFP	LOCKHEED MARTIN, MN/NJ	MAR-06	MAR-08	YES	
CC010 MK34 UPGRADE										
MK34 EQUIPMENT	1	6,870.0	NAVVSEA	NOV-05	FFP	VARIOUS	MAR-06	MAR-08	YES	
CC011										
ISC UPGRADE	1	8,728.0	NAVSEA	NOV-05	FFP/CPAF	HENSCHEL, NEWBURYPORT, MA	FEB-06	DEC-06	YES	
FY 2007										
CC001 SPQ-9B UPGRADE										
SPQ-9B EQUIPMENT	2	6,200.5	NAVSEA	NOV-06	FFP	NORTRUP GRUMMAN, NY	MAR-07	DEC-08	YES	
CC002										
SARTIS	1	155.0	NAVSEA	NOV-06		NAWC, PATUXANT, MD	DEC-06	FEB-08	YES	
CC003										
CEC	2	4,524.5	NAVSEA	NOV-06	FFP	RAYTHEON, PETERSBURG, FL	FEB-07	DEC-08	YES	
CC005 SGS / CDLMS										
SGS / CDLMS	1	895.0	NAVSEA	NOV-06	FFP	GD / LM, MN	FEB-07	DEC-08	YES	
CC007 AWS UPGRADE										
AWS EQUIPMENT	2	27,278.5	NAVSEA	NOV-06	FFP	LOCKEED MARTIN, MN/NJ	JAN-07	DEC-08	YES	
CC008										
VLS UPGRADE	2	13,022.0	NAVSEA	NOV-06	FFP	LOCKHEED MARTIN, MD	FEB-07	DEC-08	YES	
CC010 MK34 UPGRADE										
MK34 EQUIPMENT	2	7,260.5	NAVSEA	NOV-06	FFP	VARIOUS	MAR-07	DEC-08	YES	
CC011										
ISC UPGRADE	2	8,458.5	NAVSEA	NOV-06	FFP/CPAF	HENSCHEL, NEWBURYPORT, MA	MAR-07	OCT-07	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System CG47 CLASS CRUISER MODERNIZATION				**DATE** **February 2007**	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**					**P-1 LINE ITEM NOMENCLATURE** **CG MODERNIZATION** **BLIN: 0960**				**SUBHEAD** **11CC**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2008										
CC001 SPQ-9B UPGRADE										
SPQ-9B EQUIPMENT	3	7,144.7	NAVSEA	NOV-07	FFP	NORTRUP GRUMMAN, NY	DEC-07	DEC-09	YES	
CC002										
SARTIS	2	110.0	NAVSEA	NOV-07		NAWC, PATUXANT, MD	DEC-07	FEB-09	YES	
CC003										
CEC	3	4,692.3	NAVSEA	NOV-07	FFP	RAYTHEON, PETERSBURG, FL	DEC-07	DEC-09	YES	
CC005 SGS / CDLMS										
SGS / CDLMS	2	742.5	NAVSEA	NOV-07	FFP	GD / LM, MN	DEC-07	DEC-09	YES	
CC007 AWS UPGRADE										
AWS EQUIPMENT	3	27,818.3	NAVSEA	NOV-07	FFP	LOCKEED MARTIN, MN/NJ	DEC-07	DEC-09	YES	
CC008										
VLS UPGRADE	2	14,139.0	NAVSEA	NOV-07	FFP	LOCKHEED MARTIN, MD	DEC-07	DEC-09	YES	
CC010 MK34 UPGRADE										
MK34 EQUIPMENT	3	7,130.0	NAVSEA	NOV-07	FFP	VARIOUS	DEC-07	DEC-09	YES	
FY 2009										
CC001 SPQ-9B UPGRADE										
SPQ-9B EQUIPMENT	2	7,794.0	NAVSEA	NOV-08	FFP	NORTRUP GRUMMAN, NY	DEC-08	DEC-10	YES	
CC002										
SARTIS	2	142.0	NAVSEA	NOV-08		NAWC, PATUXANT, MD	DEC-08	FEB-10	YES	
CC003										
CEC	2	4,841.0	NAVSEA	NOV-08	FFP	RAYTHEON, PETERSBURG, FL	DEC-08	DEC-10	YES	
CC004 AN/SQQ-89										
AN/SQQ-89 UPGRADE	1	18,789.0	NAVSEA	NOV-08	FFP	LOCKHEED MARTIN, NY	DEC-08	DEC-10	YES	
CC005 SGS / CDLMS										
SGS / CDLMS	2	778.5	NAVSEA	NOV-08	FFP	GD / LM, MN/NJ	DEC-08	DEC-10	YES	
CC007 AWS UPGRADE										
AWS EQUIPMENT	3	30,977.0	NAVSEA	NOV-08	FFP	LOCKEED MARTIN, MN/NJ	DEC-08	DEC-10	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System CG47 CLASS CRUISER MODERNIZATION				**DATE** **February 2007**	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**					**P-1 LINE ITEM NOMENCLATURE** **CG MODERNIZATION** **BLIN: 0960**				**SUBHEAD** **11CC**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
CC008										
VLS UPGRADE	3	14,738.3	NAVSEA	NOV-08	FFP	LOCKHEED MARTIN, MD	DEC-08	DEC-10	YES	
CC010 MK34 UPGRADE										
MK34 EQUIPMENT	2	7,299.0	NAVSEA	NOV-08	FFP	VARIOUS	DEC-08	DEC-10	YES	

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED CC001 SPQ-9B UPGRADE SPQ-9B EQUIPMENT	TYPE MODIFICATION:	MODIFICATION TITLE: CG MODERNIZATION	
DESCRIPTION/JUSTIFICATION:			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	1	5.9		0.4	2	12.4	3	21.4	2	15.6	3	23.3	3	24.3	3	24.6	3	25.0	2	21.5	22	174.4
EQUIPMENT NONRECURRING				0.2																		0.2
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST						0.3	1	1.4	2	2.5	2	2.9	3	3.9	3	4.2	3	4.3	8	10.2	22	29.7
TOTAL PROCUREMENT		5.9		0.6		12.7		22.8		18.1		26.2		28.2		28.8		29.3		31.7		204.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED SPQ-9B UPGRADE SPQ-9B EQUIPMENT	MODIFICATION TITLE: CG MODERNIZATION
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	SHIPYARD
ADMINISTRATIVE LEADTIME:	1 Months
PRODUCTION LEADTIME:	24 Months

CONTRACT DATES:		FY 2006:		FY 2007:	MAR-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-08	FY 2008:	DEC-09	FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT						0.2	1	0.9													1	1.1
FY 2007 EQUIPMENT						0.1		0.4	2	2.1											2	2.6
FY 2008 EQUIPMENT								0.1		0.3	2	2.2	1	0.9							3	3.5
FY 2009 EQUIPMENT										0.1		0.5	2	2.1							2	2.7
FY 2010 EQUIPMENT												0.2		0.7	3	3.2					3	4.1
FY 2011 EQUIPMENT														0.2		0.8	3	3.4			3	4.4
FY 2012 EQUIPMENT																0.2		0.8	3	3.4	3	4.4
FY 2013 EQUIPMENT																		0.1	3	3.8	3	3.9
TO COMPLETE																			2	3.0	2	3.0

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	1	0	0	2	3	0	0	0	3	0	0	0	8	22
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	1	0	0	1	3	0	0	0	3	9	22

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED CC003 CEC	TYPE MODIFICATION: SHIPALT	MODIFICATION TITLE: CG MODERNIZATION	
DESCRIPTION/JUSTIFICATION:			
Provides Single Integrated Air Picture/Cooperative Engagement Capability.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	4.4	2	9.0	3	14.1	2	9.7	3	14.7	3	15.1	3	15.5	3	15.8	2	11.6	22	109.9
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST				0.2		1.7	1	6.7	2	11.3	2	13.0	3	17.2	3	18.5	3	18.8	8	44.3	22	131.7
TOTAL PROCUREMENT				4.6		10.7		20.8		21.0		27.7		32.3		34.0		34.6		55.9		241.6

CLASSIFICATION: UNCLASSIFIED								February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)								
MODELS OF SYSTEM AFFECTED CEC							MODIFICATION TITLE: CG MODERNIZATION	
INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			SHIPYARD					
ADMINISTRATIVE LEADTIME:		1 Months		PRODUCTION LEADTIME:		24 Months		
CONTRACT DATES:	FY 2006:	MAR-06	FY 2007:	FEB-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:	FY 2006:	MAR-08	FY 2007:	DEC-08	FY 2008:	DEC-09	FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT				0.2		1.3	1	3.5													1	5.0
FY 2007 EQUIPMENT						0.4		2.8	2	7.8											2	11.0
FY 2008 EQUIPMENT								0.4		2.9	2	8.0	1	4.0							3	15.3
FY 2009 EQUIPMENT										0.6		4.3	2	8.0							2	12.9
FY 2010 EQUIPMENT												0.7		4.5	3	13.1					3	18.3
FY 2011 EQUIPMENT														0.7		4.7	3	13.4			3	18.8
FY 2012 EQUIPMENT																0.7		4.7	3	13.7	3	19.1
FY 2013 EQUIPMENT																		0.7	3	17.7	3	18.4
TO COMPLETE																			2	12.9	2	12.9

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	1	0	0	2	3	0	0	0	3	0	0	0	8	22
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	1	0	0	1	3	0	0	0	3	9	22

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED CC004 AN/SQQ-89 AN/SQQ-89 UPGRADE	TYPE MODIFICATION: SHIPALT	MODIFICATION TITLE: CG MODERNIZATION

DESCRIPTION/JUSTIFICATION:

The SQQ-89 provides improved detection of undersea warfare threats and improved anti-submarine warfare performance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT								1.2	1	18.8	3	53.0	3	50.1	3	52.2	3	48.2	2	34.3	15	257.8
EQUIPMENT NONRECURRING		10.3				1.6		8.4		4.0		0.1		0.1								24.5
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST										0.2		1.5	1	8.7	3	21.2	3	21.2	8	53.8	15	106.6
TOTAL PROCUREMENT		10.3				1.6		9.6		23.0		54.6		58.9		73.4		69.4		88.1		388.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AN/SQQ-89 AN/SQQ-89 UPGRADE	MODIFICATION TITLE: CG MODERNIZATION
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	SHIPYARD
ADMINISTRATIVE LEADTIME:	1 Months
PRODUCTION LEADTIME:	24 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT										0.2		0.7	1	5.2							1	6.1
FY 2010 EQUIPMENT												0.8		2.6	3	17.8					3	21.2
FY 2011 EQUIPMENT														0.9		2.8	3	17.6			3	21.3
FY 2012 EQUIPMENT																0.6		2.8	3	18.5	3	21.9
FY 2013 EQUIPMENT																		0.8	3	20.3	3	21.1
TO COMPLETE																			2	15.0	2	15.0

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	3	0	0	0	8	15
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	3	9	15

Remarks:

CLASSIFICATION: UNCLASSIFIED | **February 2007**

EXHIBIT P-3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
CC007 AWS UPGRADE AWS EQUIPMENT	SHIP ALTERATION	CG MODERNIZATION

DESCRIPTION/JUSTIFICATION:

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT		3.5	1	28.8	2	54.6	3	83.5	3	92.9	2	64.9	3	92.2	3	91.5	3	92.2	2	91.3	22	695.4
EQUIPMENT NONRECURRING				15.4		2.8		1.6		3.9		4.5		2.5		2.4		2.6		2.2		37.9
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST				0.8		3.7	1	23.0	2	46.6	2	53.3	3	75.3	3	81.3	3	82.8	8	204.0	22	570.8
TOTAL PROCUREMENT		3.5		45.0		61.1		108.1		143.4		122.7		170.0		175.2		177.6		297.5		1,304.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AWS UPGRADE AWS EQUIPMENT	MODIFICATION TITLE: CG MODERNIZATION
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	SHIPYARD
ADMINISTRATIVE LEADTIME:	3 Months
PRODUCTION LEADTIME:	18-24 Months

CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:	JAN-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:	MAR-08	FY 2007:	DEC-08	FY 2008:	DEC-09	FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT				0.8		2.8	1	17.9													1	21.5
FY 2007 EQUIPMENT						0.9		4.0	2	39.1											2	44.0
FY 2008 EQUIPMENT								1.1		4.6	2	40.4	1	20.4							3	66.5
FY 2009 EQUIPMENT										2.9		9.7	2	40.9	1	22.4					3	75.9
FY 2010 EQUIPMENT												3.2		10.7	2	44.7					2	58.6
FY 2011 EQUIPMENT														3.3		10.9	3	68.6			3	82.8
FY 2012 EQUIPMENT																3.3		11.1	3	70.0	3	84.4
FY 2013 EQUIPMENT																		3.1	3	77.3	3	80.4
TO COMPLETE																			2	56.7	2	56.7

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	1	0	0	2	3	0	0	0	3	0	0	0	8	22
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	1	0	0	1	3	0	0	0	3	9	22

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED CC008 VLS UPGRADE	TYPE MODIFICATION: SHIPALT	MODIFICATION TITLE: CG MODERNIZATION	
DESCRIPTION/JUSTIFICATION:			
The Vertical Launch System provides improved capability to launch missiles including Evolved Sea Sparrow Missile.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	1	9.7		2.9	2	26.0	2	28.3	3	44.2	3	40.5	3	42.4	3	43.7	3	45.0	2	38.4	22	321.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST				0.1		2.1	1	5.8	2	8.1	2	9.7	3	10.6	3	11.3	3	11.6	8	23.7	22	83.0
TOTAL PROCUREMENT		9.7		3.0		28.1		34.1		52.3		50.2		53.0		55.0		56.6		62.1		404.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED VLS UPGRADE	MODIFICATION TITLE: CG MODERNIZATION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:			1 Months	PRODUCTION LEADTIME:	18-24 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	FEB-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-08	FY 2008:	DEC-09	FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS				0.1		1.9	1	1.7													1	3.7
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT						0.2		3.9	2	3.8											2	7.9
FY 2008 EQUIPMENT								0.2		4.0	2	3.8									2	8.0
FY 2009 EQUIPMENT										0.3		5.6	3	5.7							3	11.6
FY 2010 EQUIPMENT												0.3		4.6	3	6.2					3	11.1
FY 2011 EQUIPMENT														0.3		4.8	3	6.4			3	11.5
FY 2012 EQUIPMENT																0.3		4.9	3	4.5	3	9.7
FY 2013 EQUIPMENT																		0.3	3	11.1	3	11.4
TO COMPLETE																			2	8.1	2	8.1

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	1	0	0	2	3	0	0	0	3	0	0	0	8	22
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	1	0	0	1	3	0	0	0	3	9	22

Remarks:

CLASSIFICATION: UNCLASSIFIED																						February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED CC010 MK34 UPGRADE MK34 EQUIPMENT									TYPE MODIFICATION:				MODIFICATION TITLE: CG MODERNIZATION									
DESCRIPTION/JUSTIFICATION:																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																						
COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	6.9	2	14.5	3	21.4	2	14.6	3	22.5	3	23.6	3	24.8	3	25.2	2	19.1	22	172.6
EQUIPMENT NONRECURRING		3.9		8.3		1.7		1.4														15.3
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST				0.2		0.8	1	4.3	2	8.0	2	8.7	3	12.1	3	13.0	3	13.2	8	32.4	22	92.7
TOTAL PROCUREMENT		3.9		15.4		17.0		27.1		22.6		31.2		35.7		37.8		38.4		51.5		280.6

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED MK34 UPGRADE MK34 EQUIPMENT	MODIFICATION TITLE: CG MODERNIZATION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:		24 Months			
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:	MAR-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:	MAR-08	FY 2007:	DEC-08	FY 2008:	DEC-09	FY 2009:	DEC-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT				0.2		0.5	1	2.8													1	3.5
FY 2007 EQUIPMENT						0.3		1.1	2	6.2											2	7.6
FY 2008 EQUIPMENT								0.4		1.3	2	6.5	1	3.2							3	11.4
FY 2009 EQUIPMENT										0.5		1.6	2	6.4							2	8.5
FY 2010 EQUIPMENT												0.6		1.9	3	10.5					3	13.0
FY 2011 EQUIPMENT														0.6		1.9	3	10.7			3	13.2
FY 2012 EQUIPMENT																0.6		1.9	3	11.0	3	13.5
FY 2013 EQUIPMENT																		0.6	3	12.3	3	12.9
TO COMPLETE																			2	9.1	2	9.1

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	2	1	0	0	2	3	0	0	0	3	0	0	0	8	22
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	0	0	0	2	1	0	0	1	3	0	0	0	3	9	22

Remarks:

CLASSIFICATION: UNCLASSIFIED																						February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION																						
MODELS OF SYSTEM AFFECTED CC011 ISC UPGRADE									TYPE MODIFICATION:				MODIFICATION TITLE: CG MODERNIZATION									
DESCRIPTION/JUSTIFICATION:																						
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:																						
COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	8.7	2	16.9		0.1				0.3	1	10.2	2	19.9		0.7	3	32.5	9	89.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST				1.6	1	9.3	2	15.4				0.3		2.4	1	14.4	2	20.9	3	43.2	9	107.5
TOTAL PROCUREMENT				10.3		26.2		15.5				0.6		12.6		34.3		21.6		75.7		196.8

CLASSIFICATION: UNCLASSIFIED								February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)								
MODELS OF SYSTEM AFFECTED ISC UPGRADE					MODIFICATION TITLE: CG MODERNIZATION			
INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			SHIPYARD					
ADMINISTRATIVE LEADTIME:		1 Months		PRODUCTION LEADTIME:	9-12 Months			
CONTRACT DATES:		FY 2006:	FEB-06	FY 2007:	MAR-07	FY 2008:		FY 2009:
DELIVERY DATES:		FY 2006:	DEC-06	FY 2007:	OCT-07	FY 2008:		FY 2009:

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT				0.8	1	7.3															1	8.1
FY 2007 EQUIPMENT				0.8		2.0	2	15.4													2	18.2
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT												0.3		1.8	1	11.0					1	13.1
FY 2012 EQUIPMENT														0.6		3.4	2	20.3			2	24.3
FY 2013 EQUIPMENT																						
TO COMPLETE																		0.6	3	43.2	3	43.8

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	0	0	0	3	9
Out	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	9

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE LCAC **SUBHEAD NO. 11LC BLIN: 0970**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	10			8	0	0	0	0	0	0	0	0	18
COST (In Millions)	35.5			19.7	0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	55.9
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

PROGRAM DESCRIPTION/JUSTIFICATION: The LCAC (Landing Craft Air Cushion) mission is to transport weapons systems, equipment, cargo and personnel of the assault elements of the Marine Air/Ground Task Force from ship-to-shore and across the beach. The LCAC weighs 150 tons, is 88ft long with a beam of 47ft, rides on a cushion of air contained in a flexible skirt and is propelled by two aft-mounted, reversible, variable pitch propellers. It is capable of speeds in excess of 40 knots. The LCAC is programmed for an SCN Service Life Extension Program (SLEP), which refurbishes the buoyancy box and upgrades key electronic components. An equipment procurement program is being conducted in OPN to replace selected SLEP electronic components and equipment which the fleet urgently needs. This program is for those craft not scheduled for the SLEP program in the near future. The new equipment will replace obsolete and unsupported technology, reduce craft equipment life cycle costs, improve supportability and contribute toward extending the life of the craft.

LC001 - LCAC SYSTEM UPGRADES

- This line will include procurement and installation of components of the LCAC SLEP program required prior to craft going through SLEP. This program consists of replacing selected electronic equipments with ARC 210 and ARC 220 radios, a P80 radar unit. Equipment removal and installation will take place at the two Assault Craft Units (ACUs), each of which are currently responsible for half of the craft inventory. This work will be performed on craft not scheduled to go through SLEP in the near future.

LC002 - ENGINES

- ETF 40B engines. The ETF 40Bs are enhanced versions of the current TF40B engines and are being provided with the rest of the SLEP craft. Engine procurements in FY04 and beyond are for Pack Up Kits (PUKs) that accompany fleet deployment of LCACs aboard amphibious ships. Additional ETF 40B engines will be needed for this purpose since they are being newly introduced as part of SLEP.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System LCAC EQUIPMENT	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **LCAC** **SUBHEAD NO. 11LC**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
LC001	LCAC SYSTEMS UPGRADE														
	MATERIAL	A	15,302	8	1,054.0	8,432	0	0.0	0	0	0.0	0	0	0.0	0
	INSTALLATION	A	6,349	0	0.0	6,323	0	0.0	0	0	0.0	0	0	0.0	0
	GOVT ENG & PROG SUPT	A	2,421	0	0.0	312	0	0.0	435	0	0.0	65	0	0.0	175
	DETAIL DESIGN & TESTING	A	1,462	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
LC002	ENGINES														
	ETF 40-B ENGINES	A	5,842	4	1,155.0	4,620	0	0.0	0	0	0.0	0	0	0.0	0
LC003	MK16 MOD 8 GUN MOUNTS AND LIGHTWEIGHT ARMOR	A	4,128	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	TOTAL EQUIPMENT		**35,504**			**19,687**			**435**			**65**			**175**
TOTAL			**35,504**			**19,687**			**435**			**65**			**175**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System LCAC EQUIPMENT				**DATE** **February 2007**	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**					**P-1 LINE ITEM NOMENCLATURE** **LCAC** **BLIN: 0970**				**SUBHEAD** **11LC**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
LC001 LCAC SYSTEMS UPGRADE										
MATERIAL	8	1,054.0	SWRMC /MARMC	NOV-05	COMP/FP	AEPCO/TITAN	NOV-05	JUN-06	YES	
LC002 ENGINES										
ETF 40-B ENGINES	4	1,155.0	NAVICP	NOV-05	SS/FP	VERICOR POWER SYSTEMS	FEB-06	AUG-06	YES	

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED LC001 LCAC SYSTEMS UPGRADE MATERIAL	TYPE MODIFICATION:	MODIFICATION TITLE: LCAC	
DESCRIPTION/JUSTIFICATION:			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	10	15.3	8	8.4																	18	23.7
EQUIPMENT NONRECURRING		1.5																				1.5
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
GOVT ENG & PROG SUPT		2.4		0.3		0.4		0.1		0.2												3.4
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	10	6.3	8	6.3																	18	12.6
TOTAL PROCUREMENT		25.5		15.0		0.4		0.1		0.2												41.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LCAC SYSTEMS UPGRADE MATERIAL	MODIFICATION TITLE: LCAC

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			CRAFT AVAILABILITY						
ADMINISTRATIVE LEADTIME:			1 Months	PRODUCTION LEADTIME:		3 Months			
CONTRACT DATES:		FY 2006:	NOV-05	FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	JUN-06	FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	10	6.4																			10	6.4
FY 2006 EQUIPMENT			8	6.3																	8	6.3
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	10	0	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18
Out	10	0	0	0	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	18

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE MINESWEEPING EQUIPMENT **SUBHEAD NO. 71UQ BLIN: 0975**
Program Element for Code B Items 0603654N		Other Related Program Elements 0204424N

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity				0	0	0	0	0	0	0	0	0	0
COST (In Millions)		A		12.2	13.9	14.1	12.0	24.5	19.4	23.5	21.5	CONT	141.1
SPARES COST (In Millions)				1.4	1.3	1.5	1.7	2.0	2.5	1.7	1.7	CONT	13.8

PROGRAM DESCRIPTION/JUSTIFICATION:

Underwater Ordnance Disposal (EOD) Equipment: This program supports Explosive Ordnance Disposal (EOD) Groups, Units and Detachments worldwide. This EOD diving program supplies EOD forces with the necessary diving and diving related equipment to fulfill assigned missions.

UQ019-MINE WARFARE VULNERABILITY IDENTIFICATION PROGRAM (MIW-VIP):

Measures magnetic and acoustic signatures using existing ranges and portable ranges (Forward Area Combined Degaussing and Acoustic Range (FACDAR)). Measurements will be taken in both home port areas and deployment areas to assess a ship's susceptability to various mines.

UQ034-UNDERWATER EOD AND VERY SHALLOW WATER (VSW) SYSTEMS/EQUIPMENT:

VSW/EOD UUV: These items provide for the Procurement of VSW/EOD Unmanned Underwater Vehicles in support of VSW MCM Detachment & EOD Detachment Operations. This is an Abbreviated Acquisition Program (AAP) with no formal DT/OT required.

DIVER HULL INSPECTION NAVIGATION SYSTEM (DHINS): Provides for Procurement of a Diver system to rapidly reconnecter ship and berthing areas and investigate and localize unexploded explosive ordnance (UXO) objects that impose a threat to Joint and Maritime operations.

NEW UNDERWATER BREATHING APPARATUS (NUBA): Provides for improved Underwater Breathing Apparatus.

ACOUSTIC FIRING SYSTEM RADIO FREQUENCY PIP (AFS PIP): Provides for the Procurement of a Diver systems to conduct below and above water neutralization for EOD & VSW MCM Fleet support missions.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE MINESWEEPING EQUIPMENT **SUBHEAD NO. 71UQ BLIN: 0975**	

UQ035-OUTFIT EOD/VSW MCM TOOLS AND EQUIPMENT:
C4I UPGRADES: Provides for the upgrade of existing EOD Mobile Communication Systems (MCS) to C4I requirements.

UQ830-PRODUCTION ENGINEERING
Provides production engineering in support of the above procurements. This includes conduct of first article tests, factory acceptance tests, and other production support efforts directly related to delivery of the hardware. In addition for EOD equipment, review all technical data packages prior to procurement and provide procurement instruction to the procuring activity in support of the EOD unified procurement system and MMS production contracts.

UQ850-PRODUCT IMPROVEMENT
Engineering services to improve EOD/MMS Systems/Equipment in production to improve maintainability, utilize current technology, and decrease cost.

UQ860-ACCEPTANCE, TEST, AND EVALUATION:
Test, inspect, and accept first articles and, on a 100% basis, the production quantity of EOD tools and equipment being procured. These tools are man-rated, and proper functioning of each item must be verified.

UQTNG-INITIAL TRAINING:
Provide training support packages which include curriculum material and training aids for Underwater EOD/VSW MCM Detachment and Marine Mammal system equipment.

UQ037-MARINE MAMMAL SYSTEM EQUIPMENT

MMS ALLOWANCE: Initial outfitting of tools/equipment for increased allowances of all Fleet MMS in accordance with CNO approved allowance list.

MARINE MAMMAL SYSTEM CONTINOUS IMPROVEMENT PROGRAM (MMS CIP): Provides for engineering changes and initial outfitting of equipment to fleet MMS allowing for reduce footprint, and improved system effectiveness and suitability to meet EOD, AT/FP, and mission areas.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **MINESWEEPING EQUIPMENT** **SUBHEAD NO. 71UQ**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
UQ019	MIW-VIP	A	0	0	0.0	298	0	0.0	304	0	0.0	295	0	0.0	283
UQ034	U/W EOD & VSW SYSTEM/EQUIPMENT														
	VSW/EOD UUV	A	0	3	1,356.3	4,069	6	1,275.5	7,653	5	1,293.4	6,467	2	1,788.5	3,577
	DIVER HULL INSPECTION NAVIGATION	A	0	0	0.0	0	0	0.0	0	26	151.3	3,934	27	149.3	4,031
	NEW U/W BREATING APPARATUS (NUBA)	A	0	160	39.4	6,306	100	45.8	4,583	0	0.0	0	0	0.0	0
	ACOUSTIC FIRING SYSTEM RADIO FREQUENCY PIP	A	0	0	0.0	0	0	0.0	0	0	0.0	0	15	33.3	500
UQ035	OUTFIT EOD/VSW MCM TOOLS & EQUIPMENT														
	C4I UPGRADES	A	0	0	0.0	268	0	0.0	284	0	0.0	158	0	0.0	184
UQ037	MARINE MAMMAL SYSTEM/EQUIPMENT														
	MMS ALLOWANCE		0	0	0.0	0	0	0.0	0	0	0.0	252	0	0.0	255
	MMS CIP		0	0	0.0	0	0	0.0	0	0	0.0	1,760	0	0.0	1,789
UQ830	PRODUCTION ENGINEERING	A	0	0	0.0	376	0	0.0	707	0	0.0	571	0	0.0	622
UQ850	PRODUCT IMPROVEMENT	A	0	0	0.0	542	0	0.0	196	0	0.0	489	0	0.0	567
UQ860	ACCEPTANCE, TEST & EVALUATION	A	0	0	0.0	278	0	0.0	137	0	0.0	0	0	0.0	0
UQTNG	INITIAL TRAINING	A	0	0	0.0	70	0	0.0	73	0	0.0	201	0	0.0	225
	TOTAL EQUIPMENT		**0**			**12,207**			**13,937**			**14,127**			**12,033**
TOTAL			**0**			**12,207**			**13,937**			**14,127**			**12,033**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					**DATE February 2007**
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE MINESWEEPING EQUIPMENT BLIN: 0975**					**SUBHEAD 71UQ**
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
UQ034 U/W EOD & VSW SYSTEM/EQUIPMENT										
VSW/EOD UUV	3	1,356.3	NSWCIHD, IH, MD		FFP	BLUEFIN/HYDROID, BOS, MA	MAY-06	MAY-07	YES	MAR-06
NEW U/W BREATING APPARATUS (NUBA)	160	39.4	NSWCPC, FL		FFP	CARLETON, TAMPA, FL	MAY-06	FEB-07	YES	MAR-06
FY 2007										
UQ034 U/W EOD & VSW SYSTEM/EQUIPMENT										
VSW/EOD UUV	6	1,275.5	NSWCIHD, IH, MD		FFP	BLUEFIN/HYDROID, BOS, MA	MAY-07	MAY-08	YES	DEC-06
NEW U/W BREATING APPARATUS (NUBA)	100	45.8	NSWCIHD, IH, MD		FFP	TBD	FEB-07	FEB-08		DEC-06
FY 2008										
UQ034 U/W EOD & VSW SYSTEM/EQUIPMENT										
VSW/EOD UUV	5	1,293.4	NSWCIH, IH, MD		FFP	TBD	MAY-08	MAY-09		TBD
DIVER HULL INSPECTION NAVIGATION	26	151.3	NSWCIH, IH MD		FFP	TBD	DEC-08	SEP-09		TBD
FY 2009										
UQ034 U/W EOD & VSW SYSTEM/EQUIPMENT										
VSW/EOD UUV	2	1,788.5	NSWCIH, IH, MD		FFP	TBD	MAY-09	MAY-10		TBD
DIVER HULL INSPECTION NAVIGATION	27	149.3	NSWCIH, IH MD		FFP	TBD	MAY-09	MAY-10		TBD
ACOUSTIC FIRING SYSTEM RADIO FREQUENCY PIP	15	33.3	NSWCIH,IH MD		FFP	TBD	MAR-09	MAR-10		TBD

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION **SUBHEAD NO. 11LT, 61LT BLIN: 0981**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	99.8			158.9	165.3	186.0	219.0	242.3	221.4	323.1	177.0	0.0	1,792.80
SPARES COST (In Millions)	0.0			0.8	1.9	0.7	2.1	2.3	2.3	2.9	1.3	0.0	14.3

PROGRAM DESCRIPTION/JUSTIFICATION:

This budget provides for "S" cognizance (Shipboard, Hull, Mechanical & Electrical (HM&E)) equipment for submarines, surface ships, and aircraft carriers which are not in any specific category. These equipments accomplish Program alterations for installation during CNO and Fleet availabilites, fill Fleet requisitions from casulties and attrition, provide tech refresh upgrades, and replace obsolete equipment. Primary objectives are to maintain or improve readiness, safety, reliability, reduce workload, lower maintenance costs, improve sailor quality of life, and/or sustain ship classes through their notional life or beyond. The budget purchases and installs various equipments including machinery pumps, generators, ships propellers and shafts, air compressors, davits, A/C Plants, steam propulsion items etc. and procures allowance items as required by the Coordinated Shipoboard Allowance List (COSAL). Major programs are the FFG7 Class Modernization, LPD 17 Class Upgrades, LSD Sustainment, Landing Craft Air Cushion, MACHALTs and Carrier Smart Ship.

LT010 - LANDING CRAFT AIR CUSHION (LCAC)

This line will fund material procurement and SHIPALT installation and design for the LCAC Fleet Modernization Program (FMP). Funds in this line are for modifications on the craft to enhance military capabilities directed by CNO or technical characteristics when warranted by reason of safety, reliability and/or cost effectiveness. Advanced technology used in LCAC demands constant and continual modifications to ensure proper mission performance and maintain craft configuration. In addition, funding will also support modification on two Full Mission Trainers (FMT).

LT020 - SUPPORTING ARMS COOORDINATION CENTER (SACC) AUTOMATION

The SACC initiative will automate the communications and data flow for fire and supporting arms for marine forces ashore. This effort will convert the current manual and voice accomplished process. It will also provide interface with the Advanced Field Artillery Tactical Data System (AFATDS) which brings the automated functions of supporting arms into the coherent tactical picture. The procurement items are jam boxes, Automated Distribution Network Systems (ADNS), racks, workstations, and communications devices.

LT040 - AEC (ASSESSMENT OF EQUIPMENT CONDITION)

This supports the implementation of Condition Based Maintenance (CBM) by providing work package validation for HM&E systems, pre-deployment HM&E systems condition assessment,

OJT and repair assistance to ships during TYCOMs TARGET process. These funds are for the outfitting and periodic replacement of the AEC team's Test Measurement and Diagnostic Equipment (TMDE) inventories, provide deckplate diagnostic capability to improve the quality of AEC process and products and to leverage technology to streamline the visit process.

LT060 - MACHALTS

The Machinery Alteration Program (MACHALT) is a program that permits changes to HM&E equipment and systems where the changes are contained within the boundaries of the individual equipment of systems and have limited system ramifications.

LT070 - FFG 7 CLASS MODERNIZATION

This program presently consists of 29 ships with the Coherent Radar Transmitter (CORT) baseline having priority. The shipalts presented in the budget are ships service diesel engines (SSDGs), reverse osmosis (RO) distilling plants, and slewing arm davits (SLADs).

LT830 - PRODUCTION ENGINEERING

The review and approval of any production contract technical documentation, or the separate development of this documentation to include: Technical Manuals, Planned Maintenance System (PMS), Level III Production Drawings, Provisioning Technical Documentation (PTD), Program Support Data (PSD), and Allowance Parts List (APL); engineering support for final design reviews.

LT110- VARIOUS PROPELLERS AND SHAFTS

A malfunctioning propeller or shaft can result in excessive vibration, noise, loss of speed or possible loss of motion. In addition, these items are susceptible to damage, have long repair lead time, and due to their increased size and weight, are becoming more difficult to transport. It is mandatory to store propellers/shafts at sufficient locations to avoid delaying ship's deployments. It should be noted that in addition to new propellers and shafts required to support active fleet ships, planning for spares to support ship classes still under construction and new ship classes being introduced such as DDG-51, must be accommodated. These propellers and shafts can be installed during drydocking, Selected Restricted Availability or Regular Overhaul and in the event of a casualty, propellers can be waterborne installed alongside a tender. Budget is also procuring Water Jets and Water Jet cartridges in support of the LCS Program.

The Inventory Objective (I.O.) for propellers and shafts is a numerical quantity referred to as the "Maintenance Stock Objectives" (MSO). The MSO is a numerical quantity established for each propeller and shaft after considering: (1) the average annual demand, (2) Repair lead time, (3) safety level or the quantity required to be on hand to support unpredictable fluctuations in demand or delays in the normal refit cycle, (4) transportability considerations, and (5) Type Commanders review and recommendations. For ships entering the Fleet from the shipbuilding programs, the I.O.'s annual demand is based upon experience with similar type propellers and shafts for which supply/demand experience has been gained.

LT120 - PROPULSION PLANT INSPECTION TOOLING
Funds will be utilized to procure latest technology inspection system tooling, i.e., laser-optic, ultrasonic, fiber-optic and electro-optic inspection systems.

LT130 - STEAM PROPULSION ITEMS
This provides for several initiatives oriented to upgrading boiler efficiency and safety with downstream maintenance effectiveness. In particular, the items procured include GIS Safety Valves, Compact Water Jet Units, Low Level Conductivity Meters, WMB Recirculating Pump Improvement Items, Hydrostatic Tube Kits, and Chloride Meters. The Steam Propulsion Improvement Program provides for ship movement through the water and in addition provides power to ships combat and habitability systems, whether electrical or steam dependent. At any given time, due to propulsion plant casualties ship propulsion systems may be operating at reduced capability, adversely affecting the ship's mission(s). The Steam Propulsion Improvement program encompasses steam and diesel propulsion surface ships in the fleet, and provides for material upgrades to propulsion systems resulting in increased readiness, safety and reliability. Items can be installed during a Regular Overhaul (ROH), Selected Restricted Availability (SRA), Restricted availability by a shipyard, tender/Intermediate Maintenance Activity or Alteration Installation Team (AIT).

LT140 - SMART SHIP
This provides for the procurement and installation of proven initiatives into Navy Aircraft Carriers. The Carrier initiatives include the installation of core Smart Carrier technologies, such as Advanced Damage Control System, Integrated Condition Assessment System (ICAS) and JP-5 Automation. Smart Carrier will also demonstrate smart technologies such as On-Board Training Software and Automated Systems Logs, and integrate additional systems alarms into ICAS. The goal of the Smart Ship effort is to implement solutions which demonstrate major workload reductions and reduce operations and maintenance costs while maintaining or improving readiness. Lessons learned and technology previously demonstrated on ships such as the CG47, LSD47 and in aircraft carriers have confirmed the value and applicability of Smart Ship Technologies and will result in future life cycle cost avoidance in manpower and ship maintenance.

LT150 - ICAS
Procure tall technical refresh upgrades of the ICAS hardware and software aboard Surface Combatant hulls. Upgrades wil include; ICAS workstation hardware , to include Palm Pilot PDTs, ICAS system software to latest version, CDS groom to include the implementation of developed enhancements. Ship's force refresher training. Manage contractor efforts, prepare installation plans, perform ship checks, procure material, oversee shipboard installation and QA, develp/implement CDS updates, install/test all software and CDSs, provide ship's force training.

LT160 - MACHINERY PLANT UPGRADES (ICAN/DDCN)

ICAN/DDCN provides core infrastructure (node rooms, air blown fiber optic cable plant, network services) for integrating voice, video and data systems. This capability is easily upgradable for rapid and cost effective expansion to support new technologies, such as IT-21, and is compatible with the Navy integrated Information Networks MOA.

LT240 - LPD 17 HARDWARE/SOFTWARE OBSOLESCENCE, SHORE-BASED SPARES, FORCENET UPGRADE, & CAPABILITY/SAFETY UPGRADES

This effort addresses hardware obsolescence/technology refreshment issues, shored-based spares, the DoD-mandated ForceNet Upgrade (IPv6) requirement, and class upgrades focused on increased capabilities, force protection, and safety. Funding is required to upgrade mission critical electronic systems including the Engineering Control Systems (ECS), Ship Control Systems (SCS), Degaussing System, Shipboard Wide-Area Network (SWAN), commercial software products for ECS, SCS, C4ISR and Administrative Communications. In FY 2008, funding is required for three major efforts. First, procurement of Shore-Based Spares in support of the LPD 17 Deployed assets. Shore based spares are critical long lead time items that will be staged shoreside in case of catastrophic failure. Second, funding is also required to support Network (SWAN) hardware/software obsolescence corrections which have been accelerated as a result of DoD's mandate for ForceNet Upgrade compliance. Failure to meet this compliance requirement will negatively impact communication with other platforms/systems via NIPRNET, SIPRNET, and related methods. Finally, funding is required to procure/install high-priority USMC HF ALE, a system that significantly increases the probability of reliable USMC ship to shore communications between embarked and disembarked USMC operating forces.

LT260 - LPD 4 CLASS UPGRADES

Modifications for enhancements to LPD 4 Class ships in order to maintain, improve, and extend ship conditions for an aging class of ships. The chief enchancements include the procurement and installation of Air Conditioning Plants, Refrigerating (Reefer) Plants, Ship System Emergency Diesel Generators (SSEDGs), Boat & Aircraft (B&A) Cranes, 640 Amp Circuit Breakers, and Low Pressure Air Compressors (LPAC).

LT280 - MISCELLANEOUS FORCE PROTECTION EQUIPMENT

Funding is to procure equipment to support the force protection initiative for selected ships in the DDG-51 Class.

LT303 - FEMSS (FY06 CONGRESSIONAL ADD)

New propeller blades and new propulsion system controls were installed aboard USS GUNSTON HALL (LSD 44) in January 2001 via Naval Sea Systems Command (NAVSEA) under a Department of Defense (DOD) Commercial Operations and Support Savings Initiative (COSSI); the purpose of which is to insert commercial hardware and technology into fielded military systems in order to effect operational and support cost savings. This Fuel and Engine Maintenance Savings System (FEMSS) effort updates the previous prototype install to a production representative, and procures and installs the production version of the new, higher-efficiency propeller blades and new main propulsion controls systems (Propulsion Load Management Units).

LT306 - AUTOMATED VOLTAGE REGULATOR

The Automated Voltage Regulator replaces the obsolete legacy regulator within CVN 68 Class turbine generators. The regulator is a digital, variable frequency mil-spec unit

unique to this class of ship.

LT307 - CARRIER AIRCRAFT & WEAPONS ELEVATORS (FY06 CONGRESSIONAL ADD)
This effort replaces obsolete aircraft and weapons elevator Standard Electronics Module (SEM) controllers with modern Programmable Logic Controllers (PLC).

LT308 - LHD MIDLIFE, LHA MIDLIFE/SUSTAINMENT
Procurement of Air Conditioning Plant for LHD1; Procurement of Boat (RIB) Davits for LHA and LHD Class Ships

LT309 - LSD SUSTAINMENT
The LSD Mid-Life Program replaces obsolete/unsupported HM&E systems, and implements Total Operating Cost (TOC) savings upgrades to maintain amphibious warfare capabilities through DECOM (2036). These include items such as Low Pressure Air Compressors (LPAC), Machinery Control Systems (MCS), A/C-plants, All-Electric Power Management Platforms (PMP), Propulsion Efficiency improvement components, and Reverse Osmosis (RO)Desalinators.

LT310 - MACHINERY CONTROL SURVEILLANCE SYSTEM (MCSS) (FY06/FY07 CONGRESSIONAL ADD)
MCSS consists of a video monitoring system to augment current Machinery Control, Damage Control and Monitoring systems for multiple gas turbine ship classes. These funds will also be used for the purchase and installation of environmentally certified video monitoring hardware for integration in the land-based test facility and aboard approximately five surface combatant ships.

LT312 - CARRIER NEW DESIGN PROPELLERS (FY06/07 CONGRESSIONAL ADD)
The New Design Propeller replaces high-maintenance legacy propellers on the NIMITZ (CVN-68) Class aircraft carrier, eliminating the operational impacts of unscheduled propeller replacements.

LT314 - CANNED LUBE PUMP (FY06/FY07 CONGRESSIONAL ADD)
The Canned Lube Oil Pump will replace the exisiting MPDE Standby Lube Oil Pumps which are obsolete and maintenance intensive. The existing LOPs are equipped with mechanical shaft seals and motor to pump couplings that have both a high failure rate and are causing additional maintenance costs per ship per year. CLOPs require no seal replacements, no coupling lubrication or complicated alignment and have only (3) wearing parts.

LT315 - ADVANCED CONTROL MONITORING SYSTEM (FY06/FY07 CONGRESSIONAL ADD)

Funding in support of Advanced Control Monitoring System Program.

LT5IN, LT6IN, LT7IN, LT8IN- INSTALLATION OF EQUIPMENT
Funding is for installation of equipment in support of the Fleet Modernization Program (FMP).

LT313 - AS-39 MODERNIZATION
Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

LT316 - PATROL COASTAL MODERNIZATION
Funding is to upgrade/modernize Patrol Coastal Class Ships in order to maintain capability to meet current mission requirements. Includes main engine replacement, communications and HM&E upgrades.

LT080 - 363 TON AIR CONDITIONER
The Aircraft Carrier air conditioning plants provide cooling to the chilled water system which is a vital system supporting the ship's critical offensive and defensive electronic systems. Lack of a continuous supply of chilled water to these vital systems has a serious effect on mission capability. The chilled water demand on aircraft carriers has grown as a result of installation of numerous electronic systems.

LT301 - TOTAL SHIP INFORMATION MANAGEMENT SYSTEM (TSIMS) (FY07 CONGRESSIONAL ADD)
Funds provide for the upgrade/installation of ICAS with the Total Ship Information Management System (TSIMS) module on two (2) CVN Class ships, population of TSIMS Data sets for equipment monitored by ICAS, and development and improvement of TSIMS software for ICAS integration. Funds also provide for management of program and performance of quality assurance tasks, management of contracting, project management, performance of quality assurance, and update of ships' ICAS Configuration Data Sets with appropriate links to TSIMS.

LTCB2 - LSD 49 CLASS 30 TON CRANE (FY07 CONGRESSIONAL ADD)
Funds LSD 49 Class 30 Ton Crane Controls Replacement

LTCB3 - NAVAL SHIPYARD ELECTRONIC PROCEDURE AND TRAINING TRACKING SYSTEM (FY07 CONGRESSIONAL ADD)
Funds the Naval Shipyard Electronic Procedure and Training Tracking System

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: N70 - WARFARE														
LT280	MISC FORCE PROTECTION EQUIP		0	0	0.0	580	0	0.0	733	0	0.0	583	0	0.0	0
	N70 Subtotal		**0**			**580**			**733**			**583**			**0**
	Sponsor: N85 - EXPEDITIONARY WARFARE														
LT010	MOD KITS LAND CRAFT CUSHION		0	0	0.0	5,308	0	0.0	5,914	0	0.0	6,484	0	0.0	6,514
LT020	SACC AUTOMATION		0	0	0.0	564	0	0.0	0	0	0.0	500	0	0.0	0
LT060	MACHALTS (AMPHIB SHIPS)		0	0	0.0	973	0	0.0	1,176	0	0.0	2,322	0	0.0	2,622
LT110	PROPELLERS AND SHAFTS														
LT240	LPD 17														
	LPD 17 HW/SW OBSOLESCENCE		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	1,048
	FORCENET UPGRADE (IPV6)		0	0	0.0	353	1	3,853.0	3,853	2	4,669.0	9,338	2	4,700.0	9,400
	SHORE BASED SPARES		0	0	0.0	0	0	0.0	3,466	0	0.0	23,595	0	0.0	0
	HF ALE		0	0	0.0	0	0	0.0	0	0	0.0	400	0	0.0	800
	CFE TRANSITION TO GFE LCS		0	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	2,103

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
LT260	LPD4 CLASS UPGRADES														
	A/C PLANTS		9,968	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	SSEDG		4,796	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	450 VAC SWITCHBOARD		17,344	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	LPAC		1,818	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
	HYDRA COMMS		3,612	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
LT303	FEMSS		0	0	0.0	1,000	0	0.0	0	0	0.0	0	0	0.0	0
LT308	LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY														
	A/C PLANTS		0	1	1,400.0	1,400	0	0.0	0	0	0.0	0	0	0.0	0
	BOAT (RIB) DAVITS		525	9	800.0	7,200	3	450.0	1,350	6	450.0	2,700	3	450.0	1,350
	REVERSE OSMOSIS (RO) UNITS		800	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
LT309	LSD MIDLIFE UPGRADES														
	ALL ELECTRIC - PMP		0	0	0.0	0	1	250.0	250	2	250.0	500	2	250.0	500
	ALL ELECTRIC - RO & GENERATORS		0	0	0.0	0	3	3,937.3	11,812	0	0.0	0	2	4,000.0	8,000
	PROPELLER BLADES & PLMU		0	0	0.0	0	1	750.0	750	0	0.0	0	2	750.0	1,500
	MACHINERY CONTROL SYSTEM		0	0	0.0	1,400	1	1,500.0	1,500	2	1,500.0	3,000	2	1,500.0	3,000
	LOCAL AREA NETWORK (LAN)		0	0	0.0	0	3	400.0	1,200	0	0.0	0	2	400.0	800
	STEERING CONTROL SYSTEM		0	0	0.0	0	3	1,300.0	3,900	0	0.0	0	2	1,300.0	2,600
	DIESEL IMPROVEMENT - L/O POLISHER		0	0	0.0	0	3	250.0	750	0	0.0	0	2	250.0	500
	DIESEL IMPROVEMENT - L/O PURIFIER		0	0	0.0	0	3	250.0	750	0	0.0	0	2	250.0	500
	A/C PLANT (LSD 41 - 43)		0	0	0.0	0	2	1,300.0	2,600	0	0.0	0	1	1,300.0	1,300
	A/C PLANT (LSD 44 - 52)		0	0	0.0	0	1	400.0	400	0	0.0	0	1	400.0	400
	LOW PRESSURE AIR COMPRESSOR		0	1	250.0	250	3	600.0	1,800	0	0.0	0	2	600.0	1,200
LT314	CANNED LUBE PUMP		0	0	0.0	2,000	0	0.0	1,000	0	0.0	2,000	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
LTCB2	LSD 49 CLASS 30 TON CRANE		0	0	0.0	0	0	0.0	3,200	0	0.0	0	0	0.0	0
	N85 Subtotal		**38,863**			**20,448**			**45,671**			**50,839**			**44,137**
	Sponsor: N86 - SURFACE WARFARE														
LT040	AEC		0	0	0.0	354	0	0.0	329	0	0.0	417	0	0.0	443
LT060	MACHALTS (SURFACE SHIPS)		0	0	0.0	5,928	0	0.0	2,737	0	0.0	5,044	0	0.0	7,034
LT070	FFG7 CLASS MODERNIZATION														
	SLEWING ARM DAVITS (SLADS)		3,540	11	209.0	2,299	2	250.0	500	0	0.0	0	0	0.0	0
	REVERSE OSMOSIS		6,500	9	478.0	4,302	5	500.0	2,500	2	600.0	1,200	0	0.0	0
	SSDG (SHIPSET=4 GENERATORS)		16,600	2	1,550.0	3,100	1	1,800.0	1,800	3	1,600.0	4,800	2	1,700.0	3,400
LT110	PROPELLERS AND SHAFTS														
	BLADE SET PORT/STBD, DDG51 CL		0	0	0.0	0	0	0.0	0	0	0.0	0	1	503.0	503
	HUB SET PORT/STBD DDG51 CL		0	0	0.0	0	0	0.0	0	1	515.0	515	3	515.0	1,545
	STERN TUBE DDG51 CL		0	0	0.0	0	0	0.0	0	2	750.0	1,500	3	760.0	2,280
	PROP SHAFT DDG-51 CL		0	0	0.0	0	0	0.0	0	2	800.0	1,600	3	820.0	2,460
	LCS WATER JET CARTRIDGE		0	0	0.0	0	0	0.0	0	1	201.0	201	4	225.0	900
	LCS WATER JET FULL UNIT		0	0	0.0	0	0	0.0	0	0	0.0	0	4	474.0	1,896
LT130	STEAM PROPULSION ITEMS		0	0	0.0	234	0	0.0	203	0	0.0	290	0	0.0	301
LT150	ICAS		0	0	0.0	827	0	0.0	687	0	0.0	1,313	0	0.0	1,355
LT310	MACHINERY CONTROL		0	0	0.0	3,500	0	0.0	1,300	0	0.0	0	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
LT315	ADVANCED CTRL MONITOR SYS		0	0	0.0	2,800	0	0.0	1,800	0	0.0	0	0	0.0	0
LT316	PATROL COASTAL MODERNIZATION														
	DIESEL ENGINES		0	0	0.0	0	0	0.0	0	1	4,019.0	4,019	0	0.0	0
LTCB3	NAVAL SHIPYARD ELECTRONIC PROCEDURE AND TRAI		0	0	0.0	0	0	0.0	1,300	0	0.0	0	0	0.0	0
	N86 Subtotal		**26,640**			**23,344**			**13,156**			**20,899**			**22,117**
	Sponsor: N87 - SUBMARINE WARFARE														
LT313	AS-39 MODERNIZATION														
	250 TON AC PLANT		0	0	0.0	0	0	0.0	0	0	0.0	0	2	1,484.0	2,968
	MAIN PROPULSION		0	0	0.0	0	0	0.0	0	1	2,850.0	2,850	1	787.0	787
	ELECTRICAL UPGRADES		0	0	0.0	0	0	0.0	0	1	500.0	500	0	0.0	0
	ELEVATOR UPGRADES		0	0	0.0	0	0	0.0	0	1	690.0	690	0	0.0	0
	REPLACE OBSOLETE IPE		0	0	0.0	0	0	0.0	0	2	475.0	950	1	475.0	475
	N87 Subtotal		**0**			**0**			**0**			**4,990**			**4,230**
	Sponsor: N88 - AIR WARFARE														
LT080	363 TON AIR CONDITIONER														
	363 TON AIR CONDITIONER		21,300	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0
LT120	PROPULSION PLANT INSPECTION		0	0	0.0	140	0	0.0	139	0	0.0	175	0	0.0	172
LT140	SMARTSHIP		0	1	22,617.0	22,617	1	22,783.0	22,783	1	13,786.0	13,786	1	16,816.0	16,816

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
LT160	MACHINERY PLANT UPGRADES		12,986	2	1,000.0	2,000	2	1,485.0	2,970	1	2,700.0	2,700	2	2,700.0	5,400
LT301	TOTAL SHIP INFORMATION MANAGEMENT SYSTEM														
	TOTAL SHIP INFORMATION MANAGEMENT SYSTEM (TS		0	0	0.0	0	2	1,150.0	2,300	0	0.0	0	0	0.0	0
LT306	AUTO VOLTAGE REGULATOR PROGRAM														
	AUTO VOLTAGE REGULATOR		0	3	470.0	1,410	14	337.6	4,726	8	328.0	2,624	8	331.0	2,648
	FIELD ENGINEERING SERVICES		0	0	0.0	790	0	0.0	0	0	0.0	0	0	0.0	200
LT307	CARRIER AIRCRAFT & WPNS ELEVATOR		0	0	0.0	4,850	0	0.0	0	0	0.0	0	0	0.0	0
LT312	CARRIER NEW DESIGN PROPELLER		0	4	850.0	3,400	4	562.5	2,250	0	0.0	0	0	0.0	0
LT830	PRODUCTION ENGINEERING		0	0	0.0	25	0	0.0	31	0	0.0	38	0	0.0	39
	N88 Subtotal		**34,286**			**35,232**			**35,199**			**19,323**			**25,275**
	TOTAL EQUIPMENT		**99,789**			**79,604**			**94,759**			**96,634**			**95,759**
	INSTALLATION														
	Sponsor: N85 - EXPEDITIONARY WARFARE														
LT5IN	INSTALL OF EQUIPMENT N85		0	0	0.0	48,584	0	0.0	42,314	0	0.0	56,946	0	0.0	88,899
	N85 Subtotal		**0**			**48,584**			**42,314**			**56,946**			**88,899**
	Sponsor: N86 - SURFACE WARFARE														
LT6IN	INSTALL OF EQUIPMENT N86		0	0	0.0	14,400	0	0.0	16,286	0	0.0	14,893	0	0.0	21,854
	N86 Subtotal		**0**			**14,400**			**16,286**			**14,893**			**21,854**

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **SUBHEAD NO. 11LT, 61LT**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	Sponsor: N87 - SUBMARINE WARFARE														
LT7IN	INSTALL OF EQUIPMENT N87		0	0	0.0	0	0	0.0	0	0	0.0	2,686	0	0.0	2,666
	N87 Subtotal		**0**			**0**			**0**			**2,686**			**2,666**
	Sponsor: N88 - AIR WARFARE														
LT8IN	INSTALL OF EQUIPMENT N88		0	0	0.0	16,338	0	0.0	11,901	0	0.0	14,859	0	0.0	9,780
	N88 Subtotal		**0**			**16,338**			**11,901**			**14,859**			**9,780**
	TOTAL INSTALLATION		**0**			**79,322**			**70,419**			**89,384**			**123,199**
TOTAL			**99,789**			**158,926**			**165,260**			**186,018**			**218,958**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION BLIN: 0981					SUBHEAD 11LT, 61LT
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY										
A/C PLANTS	1	1,400.0	NSWC, PHILA		FFP	YORK	FEB-06	AUG-07		
BOAT (RIB) DAVITS	9	800.0	NSWC, PHILA		FFP(OPTION)	WELIN LAMBIE, LONDON ENGL	OCT-06	AUG-07		
LT309 LSD MIDLIFE UPGRADES										
LOW PRESSURE AIR COMPRESSOR	1	250.0	NSWC, PHILA		FFP (OPT)	RIX	MAR-06	APR-07		
LT070 FFG7 CLASS MODERNIZATION										
SLEWING ARM DAVITS (SLADS)	11	209.0	NSWC, PHILA		OPTION	WELIN LAMBIE, LONDON ENGL	NOV-05	APR-06		
REVERSE OSMOSIS	9	478.0	NSWC, PHILA		OPTION	AQUA-CHEM INC, KNOX TN	NOV-05	MAY-06		
SSDG (SHIPSET=4 GENERATORS)	2	1,550.0	NSWC, PHILA		OPTION	CATERPILLAR, PEORIA IL	FEB-06	AUG-06		
LT140										
SMARTSHIP	1	22,617.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-05	FEB-06		
LT160										
MACHINERY PLANT UPGRADES	2	1,000.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-05	MAR-06		
LT306 AUTO VOLTAGE REGULATOR PROGRAM										
AUTO VOLTAGE REGULATOR	3	470.0	NAVSEA		CPFF	NG P/CS	FEB-06	AUG-07		
LT312										
CARRIER NEW DESIGN PROPELLER	4	850.0	NAVICP, MECH		OPT	ROLLS ROYCE, PASC MS	SEP-06	JUL-08		
FY 2007										
LT240 LPD 17										
FORCENET UPGRADE (IPV6)	1	3,853.0	NAVSEA		CPIF	RAYTHEON CO SAN DIEGO, CA	MAR-07	DEC-07		
LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY										
BOAT (RIB) DAVITS	3	450.0	NSWC, PHILA		FFP (OPT)	WELIN LAMBIE< LONDON ENGL	FEB-07	SEP-07		

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION BLIN: 0981				SUBHEAD 11LT, 61LT	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
LT309 LSD MIDLIFE UPGRADES										
ALL ELECTRIC - PMP	1	250.0	NSWC, PHILA		FFP(OPT)	WOODWARD, FT COLLINS, CO	MAR-07	DEC-07		
ALL ELECTRIC - RO & GENERATORS	3	3,937.3	NSWC, PHILA		FFP (OPT)	TBD	JUN-07	MAY-08		
PROPELLER BLADES & PLMU	1	750.0	NSWC, PHILA		FFP(OPT)	ROLLS ROYCE NAVAL MARINE	JUN-07	JUL-08		
MACHINERY CONTROL SYSTEM	1	1,500.0	NSWC, PHILA		FFP (OPT)	TBD	JUN-07	DEC-07		
LOCAL AREA NETWORK (LAN)	3	400.0	NSWC, PHILA		FFP (OPT)	TBD	JUN-07	DEC-07		
STEERING CONTROL SYSTEM	3	1,300.0	NSWC, PHILA		FFP (OPT)	HENSCHEL, NEWBERRY PORT	FEB-07	JAN-08		
DIESEL IMPROVEMENT - L/O POLISHER	3	250.0	NSWC, PHILA		FFP (OPT)	TBD	JUN-07	DEC-07		
DIESEL IMPROVEMENT - L/O PURIFIER	3	250.0	NSWC, PHILA		FFP (OPT)	TBD	JUN-07	DEC-07		
A/C PLANT (LSD 41 - 43)	2	1,300.0	PSNS-DET BOS / NSWC, PHIL		FFP (OPT)	TBD	JAN-07	APR-08		
A/C PLANT (LSD 44 - 52)	1	400.0	NSWC, PHILA		FFP (OPT)	TBD	MAR-07	DEC-07		
LOW PRESSURE AIR COMPRESSOR	3	600.0	NSWC, PHILA		OPTION	RIX	JUN-07	JUL-08		
LT070 FFG7 CLASS MODERNIZATION										
SLEWING ARM DAVITS (SLADS)	2	250.0	NSWC, PHILA		OPTION	WELIN LAMBIE, LONDON ENGL	NOV-06	MAY-07		
REVERSE OSMOSIS	5	500.0	NSWC, PHILA		OPTION	AQUA-CHEM INC, KNOX TN	NOV-06	MAY-07		
SSDG (SHIPSET=4 GENERATORS)	1	1,800.0	NSWC, PHILA		OPTION	CATERPILLAR, PEORIA IL	NOV-06	JUL-07		
LT140										
SMARTSHIP	1	22,783.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-06	FEB-07		
LT160										
MACHINERY PLANT UPGRADES	2	1,485.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-06	MAR-07		
LT301 TOTAL SHIP INFORMATION MANAGEMENT SY										
TAL SHIP INFORMATION MANAGEMENT SYSTEM (TSI	2	1,150.0	NSWC, PHILA		VARIOUS	VARIOUS	JAN-07	MAY-07		
LT306 AUTO VOLTAGE REGULATOR PROGRAM										
AUTO VOLTAGE REGULATOR	14	337.6	NAVSEA		CPFF	NG P/CS	JUN-07	JAN-09		
LT312										
CARRIER NEW DESIGN PROPELLER	4	562.5	NAVICP, MECH		FFP	ROLLS ROYCE, PASC MS	MAR-07	JAN-09		
FY 2008										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION BLIN: 0981				SUBHEAD 11LT, 61LT	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
LT240 LPD 17										
FORCENET UPGRADE (IPV6)	2	4,669.0	NAVSEA		CPIF	RAYTHEON CO SAN DIEGO, CA	DEC-07	MAY-08		
LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY										
BOAT (RIB) DAVITS	6	450.0	NSWC, PHILA		OPTION	TBD	OCT-07	AUG-08		
LT309 LSD MIDLIFE UPGRADES										
ALL ELECTRIC - PMP	2	250.0	NSWC, PHILA		OPTION	TBD	MAR-08	DEC-08		
MACHINERY CONTROL SYSTEM	2	1,500.0	NSWC, PHILA		OPTION	TBD	JUN-08	DEC-08		
LT070 FFG7 CLASS MODERNIZATION										
REVERSE OSMOSIS	2	600.0	NSWC, PHILA		OPTION	AQUA-CHEM INC, KNOX TN	NOV-07	MAY-08		
SSDG (SHIPSET=4 GENERATORS)	3	1,600.0	NSWC, PHILA		OPTION	CATERPILLAR, PEORIA IL	NOV-07	JUL-08		
LT110 PROPELLERS AND SHAFTS										
HUB SET PORT/STBD DDG51 CL	1	515.0	NAVICP		FFP(OPT)	ROLLS ROYCE NAVAL MARINE	JUN-08	MAY-10		
STERN TUBE DDG51 CL	2	750.0	NAVICP		FFP(OPT)	ERIE FORGE	JUN-08	MAY-10		
PROP SHAFT DDG-51 CL	2	800.0	NAVICP		FFP(OPT)	ERIE FORGE	JUN-08	MAY-10		
LCS WATER JET CARTRIDGE	1	201.0	NAVICP		FFP(OPT)	TBD	JUN-08	MAY-10		
LT316 PATROL COASTAL MODERNIZATION										
DIESEL ENGINES	1	4,019.0	NSWC, PHILA		FFP	TBD	JAN-08	AUG-08		
LT313 AS-39 MODERNIZATION										
MAIN PROPULSION	1	2,850.0	NSWC, PHILA		WX	TBD	DEC-07	JUN-08		
ELECTRICAL UPGRADES	1	500.0	TBD		FFP	TBD	NOV-07	MAY-08		
ELEVATOR UPGRADES	1	690.0	NSWC, PHILA		FFP	TBD	JUN-08	JUN-09		
REPLACE OBSOLETE IPE	2	475.0	TBD		FFP	TBD	MAR-08	MAR-09		
LT140										
SMARTSHIP	1	13,786.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-07	FEB-08		
LT160										
MACHINERY PLANT UPGRADES	1	2,700.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-07	MAR-08		
LT306 AUTO VOLTAGE REGULATOR PROGRAM										
AUTO VOLTAGE REGULATOR	8	328.0	NAVSEA		CPFF	NG P/CS	JUN-08	JAN-10		
FY 2009										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION BLIN: 0981				SUBHEAD 11LT, 61LT	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
LT240 LPD 17										
FORCENET UPGRADE (IPV6)	2	4,700.0	NAVSEA		CPIF	RAYTHEON CO SAN DIEGO, CA	DEC-08	MAY-09		
LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY										
BOAT (RIB) DAVITS	3	450.0	NSWC, PHILA		OPTION	TBD	OCT-08	AUG-09		
LT309 LSD MIDLIFE UPGRADES										
ALL ELECTRIC - PMP	2	250.0	NSWC, PHILA		OPTION	WOODWARD, FT COLLINS, CO	MAR-09	DEC-09		
ALL ELECTRIC - RO & GENERATORS	2	4,000.0	NSWC, PHILA		OPTION	TBD	JAN-09	DEC-09		
PROPELLER BLADES & PLMU	2	750.0	NSWC, PHILA		OPTION	ROLLS ROYCE NAVAL MARINE	JAN-09	FEB-10		
MACHINERY CONTROL SYSTEM	2	1,500.0	NSWC, PHILA		OPTION	TBD	JUN-09	DEC-09		
LOCAL AREA NETWORK (LAN)	2	400.0	NSWC, PHILA		OPTION	TBD	JUN-09	DEC-09		
STEERING CONTROL SYSTEM	2	1,300.0	NSWC, PHILA		OPTION	HENSCHEL, NEWBERRY PORT	FEB-09	JAN-10		
DIESEL IMPROVEMENT - L/O POLISHER	2	250.0	NSWC, PHILA		OPTION	TBD	JUN-09	DEC-09		
DIESEL IMPROVEMENT - L/O PURIFIER	2	250.0	NSWC, PHILA		OPTION	TBD	JUN-09	DEC-09		
A/C PLANT (LSD 41 - 43)	1	1,300.0	PSNS-DET BOS / NSWC, PHIL		OPTION	TBD	JAN-09	APR-10		
A/C PLANT (LSD 44 - 52)	1	400.0	NSWC, PHILA		OPTION	TBD	MAR-09	DEC-09		
LOW PRESSURE AIR COMPRESSOR	2	600.0	NSWC, PHILA		OPTION	RIX	JAN-09	FEB-10		
LT070 FFG7 CLASS MODERNIZATION										
SSDG (SHIPSET=4 GENERATORS)	2	1,700.0	NSWC, PHILA		OPTION	CATERPILLAR, PEORIA IL	NOV-08	JUL-09		
LT110 PROPELLERS AND SHAFTS										
BLADE SET PORT/STBD, DDG51 CL	1	503.0	NAVICP		OPTION	ROLLS ROYCE NAVAL MARINE	JAN-09	JUL-11		
HUB SET PORT/STBD DDG51 CL	3	515.0	NAVICP		OPTION	ROLLS ROYCE NAVAL MARINE	JAN-09	JUL-11		
STERN TUBE DDG51 CL	3	760.0	NAVICP		OPTION	ERIE FORGE	JAN-09	JUL-11		
PROP SHAFT DDG-51 CL	3	820.0	NAVICP		OPTION	ERIE FORGE	JAN-09	JUL-11		
LCS WATER JET CARTRIDGE	4	225.0	NAVICP		TBD	TBD	JAN-09	JUL-11		
LCS WATER JET FULL UNIT	4	474.0	NAVICP		TBD	TBD	JAN-09	JUL-11		

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION BLIN: 0981					SUBHEAD 11LT, 61LT
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
LT313 AS-39 MODERNIZATION										
250 TON AC PLANT	2	1,484.0	NSWC, PHIL		FFP	TBD	JUN-09	JUN-11		
MAIN PROPULSION	1	787.0	NSWC, PHIL		WX	TBD	JUN-09	DEC-09		
REPLACE OBSOLETE IPE	1	475.0	TBD		FFP	TBD	MAR-09	MAR-10		
LT140										
SMARTSHIP	1	16,816.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-08	FEB-09		
LT160										
MACHINERY PLANT UPGRADES	2	2,700.0	NSWC, PHILA		VARIOUS	VARIOUS	DEC-08	MAR-09		
LT306 AUTO VOLTAGE REGULATOR PROGRAM										
AUTO VOLTAGE REGULATOR	8	331.0	NAVSEA		CPFF	NG P/CS	JUN-09	JAN-11		

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT070 FFG7 CLASS MODERNIZATION REVERSE OSMOSIS	TYPE MODIFICATION: S/A 429K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalt replaces the two existing 4,000 GPD submerged tube distilling plants with two 6,800 GPD single pass RO desalinators. The existing distilling plant system has marginal capacity to meet ships potable water demands. Installation of 6,800 GPD RO desalinization system will reduce ships force desalination plant workload and reduce part costs requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	14	6.5	9	4.3	5	2.5	2	1.2													30	14.5
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	11	8.1	6	5.6	7	5.0	3	3.1	2	2.4											29	24.2
TOTAL PROCUREMENT		14.6		9.9		7.5		4.3		2.4												38.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED FFG7 CLASS MODERNIZATION REVERSE OSMOSIS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			SHIPYARD/COMP					
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:	6 Months			
CONTRACT DATES:		FY 2006:	NOV-05	FY 2007:	NOV-06	FY 2008:	NOV-07	FY 2009:
DELIVERY DATES:		FY 2006:	MAY-06	FY 2007:	MAY-07	FY 2008:	MAY-08	FY 2009:

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	11	8.1	2	1.8																	13	9.9
FY 2006 EQUIPMENT			4	3.7	5	3.6															9	7.3
FY 2007 EQUIPMENT			AP	0.1	2	1.4	3	3.0													5	4.5
FY 2008 EQUIPMENT							AP	0.1	2	2.4											2	2.5
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	11	1	0	1	4	4	0	1	2	0	1	2	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Out	8	1	2	2	1	2	2	4	0	1	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
LT070 FFG7 CLASS MODERNIZATION SLEWING ARM DAVITS (SLADS)	S/A 436	ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalt replaces the existing trackway davit with a COTS davit with constant tension winch. The RHIB will be retained and modifications will be required to the 01 level platform, boat cradles and liferails. Installation of a COTS Davit will allow the RHIB to be used in higher sea states, expanding boat mission capability for at-sea rescue operations and will also result in a significant weight reduction and reduce the number of man-hours required for maintenance. The Navy standard SLAD is significantly more expensive than a COTS system and employs old technology. The newer COTS davits utilize many safety features that the Navy standard SLAD does not.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	16	3.5	11	2.3	2	0.5															29	6.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	12	7.3	7	3.5	9	5.4	1	0.6													29	16.8
TOTAL PROCUREMENT		10.8		5.8		5.9		0.6														23.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED FFG7 CLASS MODERNIZATION SLEWING ARM DAVITS (SLADS)	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:	6 Months			
CONTRACT DATES:		FY 2006:	NOV-05	FY 2007:	NOV-06	FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	APR-06	FY 2007:	MAY-07	FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	12	7.2	4	2.0																	16	9.2
FY 2006 EQUIPMENT	AP	0.1	3	1.4	8	4.8															11	6.3
FY 2007 EQUIPMENT			AP	0.1	1	0.6	1	0.6													2	1.3
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	12	1	1	1	4	5	0	2	2	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29
Out	9	1	4	1	1	3	4	3	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	29

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT070 FFG7 CLASS MODERNIZATION SSDG (SHIPSET=4 GENERATORS)	TYPE MODIFICATION: S/A 423K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalt is for the replacement of the ship service diesel engines on FFGs. The alt will replace SSDG engines to improve reliability and eliminate obsolescence issues. The SSDG provides all of the electrical power in all spaces (engineering, deck, galley, combat systems, etc).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	11	16.6	2	3.1	1	1.8	3	4.8	2	3.4	2	3.5							8	16.0	29	49.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	11	37.2	1	5.3	1	5.9	2	11.2	2	12.0	2	12.1	2	12.1					8	56.0	29	151.8
TOTAL PROCUREMENT		53.8		8.4		7.7		16.0		15.4		15.6		12.1						72.0		201.0

CLASSIFICATION: UNCLASSIFIED								February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)								
MODELS OF SYSTEM AFFECTED FFG7 CLASS MODERNIZATION SSDG (SHIPSET=4 GENERATORS)						MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION		
INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			SHIPYARD/COMP					
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:		6-9 Months		
CONTRACT DATES:	FY 2006:	FEB-06	FY 2007:	NOV-06	FY 2008:	NOV-07	FY 2009:	NOV-08
DELIVERY DATES:	FY 2006:	AUG-06	FY 2007:	JUL-07	FY 2008:	JUL-08	FY 2009:	JUL-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	11	37.2																			11	37.2
FY 2006 EQUIPMENT			1	5.3	1	5.5															2	10.8
FY 2007 EQUIPMENT					AP	0.4	1	5.4													1	5.8
FY 2008 EQUIPMENT							1	5.4	2	11.6											3	17.0
FY 2009 EQUIPMENT							AP	0.4	AP	0.4	2	11.7									2	12.5
FY 2010 EQUIPMENT											AP	0.4	2	12.1							2	12.5
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																			8	56.0	8	56.0

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	11	0	0	0	1	0	0	0	1	0	0	1	1	0	1	0	1	0	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	8	29
Out	7	1	2	1	0	1	0	0	0	1	0	1	0	1	0	1	1	0	0	2	0	0	1	1	0	0	0	0	0	0	0	0	0	8	29

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT080 363 TON AIR CONDITIONER 363 TON AIR CONDITIONER	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

The Aircraft Carrier air conditioning plants provide cooling to the chilled water system which is a vital system supporting the ship's critical offensive and defensive electronic systems. Lack of a continuous supply of chilled water to these vital systems has a serious effect on mission capability. The chilled water demand on aircraft carriers has grown as a result of installation of numerous electronic systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	22	21.3																			22	21.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	21	143.8	1	9.3																	22	153.1
TOTAL PROCUREMENT		165.1		9.3																		174.4

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
363 TON AIR CONDITIONER 363 TON AIR CONDITIONER	ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	Months	PRODUCTION LEADTIME:	Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	21	143.8	1	9.3																	22	153.1
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	21	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22
Out	21	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	22

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT160 MACHINERY PLANT UPGRADES	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

ICAN provides core infrastructure (node rooms, air blown fiber optic cable plant, network services) for integrating voice, video and data systems. This capability is easily upgradable for rapid and cost effective expansion to support new technologies, such as IT-21, and is compatible with the Navy integrated Information Networks MOA.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	7	13.0	2	2.0	2	3.0	1	2.7	2	5.4	1	3.1	1	3.4	3	7.9	4	12.7			23	53.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	6	21.1	2	7.0	2	10.1	2	10.2	2	6.8	1	3.7	1	4.3	3	15.3	4	17.7			23	96.2
TOTAL PROCUREMENT		34.1		9.0		13.1		12.9		12.2		6.8		7.7		23.2		30.4				149.4

CLASSIFICATION: UNCLASSIFIED								February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)								
MODELS OF SYSTEM AFFECTED MACHINERY PLANT UPGRADES					MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION			
INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:	AIT							
ADMINISTRATIVE LEADTIME:	2 Months	PRODUCTION LEADTIME:	3 Months					
CONTRACT DATES:	FY 2006:	DEC-05	FY 2007:	DEC-06	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:	FY 2006:	MAR-06	FY 2007:	MAR-07	FY 2008:	MAR-08	FY 2009:	MAR-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	6	20.7	1	3.2																	7	23.9
FY 2006 EQUIPMENT	AP	0.4	1	3.2	1	4.7															2	8.3
FY 2007 EQUIPMENT			AP	0.6	1	5.0	1	4.7													2	10.3
FY 2008 EQUIPMENT					AP	0.4	1	4.7													1	5.1
FY 2009 EQUIPMENT							AP	0.8	2	6.5											2	7.3
FY 2010 EQUIPMENT									AP	0.3	1	3.4									1	3.7
FY 2011 EQUIPMENT											AP	0.3	1	3.9							1	4.2
FY 2012 EQUIPMENT													AP	0.4	3	13.7					3	14.1
FY 2013 EQUIPMENT															AP	1.6	4	17.7			4	19.3
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	6	0	2	0	0	1	0	1	0	0	0	1	1	0	0	2	0	0	0	0	1	0	0	1	0	0	2	1	0	0	0	0	0	4	23
Out	5	1	0	0	1	1	0	0	1	1	0	0	0	1	0	0	2	1	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	6	23

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT240 LPD 17 FORCENET UPGRADE (IPV6)	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This effort addresses the DoD-mandated ForceNet Upgrade (IPv6) requirement. Funding is required to support Network (SWAN) hardware/software obsolescence corrections which have been accelerated as a reuslt of DoD's mandate for ForceNet Upgrade compliance. Failure to meet this compliance requirement will negatively impact communication with other platforms/systems via NIPRNET, SIPRNET, and related methods. Funding supports backfit of LPDs 17-21.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT				0.4	1	3.9	2	9.3	2	9.4											5	23.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST						0.6	2	3.2	2	3.5	1	2.0									5	9.3
TOTAL PROCUREMENT				0.4		4.5		12.5		12.9		2.0										32.3

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED LPD 17 FORCENET UPGRADE (IPV6)								MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:		VAR Months		PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	MAR-07	FY 2008:	DEC-07	FY 2009:	DEC-08
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:	MAY-08	FY 2009:	MAY-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					AP	0.6	1	1.6													1	2.2
FY 2008 EQUIPMENT							1	1.6	1	1.7											2	3.3
FY 2009 EQUIPMENT									1	1.8	1	2.0									2	3.8
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:
LT260 LPD4 CLASS UPGRADES 450 VAC SWITCHBOARD	S/A 1271K	ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalt replaces obsolete circuit breakers currently installed on five LPD 4 class extended sustainability ships with new units that are supportable in the supply system.
The removed breakers will be used in a rotable pool to help support the other LPD4 Class ships that are not in the extended sustainability program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5	17.3																			5	17.3
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	20.4	1	5.5																	5	25.9
TOTAL PROCUREMENT		37.7		5.5																		43.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LPD4 CLASS UPGRADES 450 VAC SWITCHBOARD	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	SHIPYARD								
ADMINISTRATIVE LEADTIME:	2 Months			PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	20.4	1	5.5																	5	25.9
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT260 LPD4 CLASS UPGRADES A/C PLANTS	TYPE MODIFICATION: S/A #1269K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalts replaces the currently installed 75 Ton AC Plants with 200 Ton AC Plants on five extended sustainability LPD4 class ships to meet electronic material and personnel habitability requirements.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5	10.0																			5	10.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	35.0	1	8.2																	5	43.2
TOTAL PROCUREMENT		45.0		8.2																		53.2

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LPD4 CLASS UPGRADES A/C PLANTS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	SHIPYARD								
ADMINISTRATIVE LEADTIME:	3 Months			PRODUCTION LEADTIME:	10-12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	35.0	1	8.2																	5	43.2
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT260 LPD4 CLASS UPGRADES HYDRA COMMS	TYPE MODIFICATION: S/A #1165K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION
DESCRIPTION/JUSTIFICATION:		
his shipalt replaces currently installed LPACs on five LPD 4 class extended sustainability ships.		
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:		

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5	3.6																			5	3.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	4.8	1	2.0																	5	6.8
TOTAL PROCUREMENT		8.4		2.0																		10.4

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LPD4 CLASS UPGRADES HYDRA COMMS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME:	3 Months	PRODUCTION LEADTIME:	3 Months						
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	4.8	1	2.0																	5	6.8
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	4	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT260 LPD4 CLASS UPGRADES LPAC	TYPE MODIFICATION: S/A 1272K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION
DESCRIPTION/JUSTIFICATION:		
This shipalt replaces currently installed LPACs on five LPD 4 class extended sustainability ships.		
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:		

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5	1.8																			5	1.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	3.4	1	2.1																	5	5.5
TOTAL PROCUREMENT		5.2		2.1																		7.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LPD4 CLASS UPGRADES LPAC	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION:	SHIPYARD
ADMINISTRATIVE LEADTIME:	2 Months
PRODUCTION LEADTIME:	10-11 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	3.4	1	2.1																	5	5.5
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT260 LPD4 CLASS UPGRADES SSEDG	TYPE MODIFICATION: S/A #1274K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This shipalt replaces the currently installed 300KW EDGS with an SS/EDGS on five extended sustainability LPD 4 class ships.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	5	4.8																			5	4.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	4	39.6	1	9.4																	5	49.0
TOTAL PROCUREMENT		44.4		9.4																		53.8

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LPD4 CLASS UPGRADES SSEDG	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:		3 Months		PRODUCTION LEADTIME:	10-12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	4	39.6	1	9.4																	5	49.0
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
Out	3	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT306 AUTO VOLTAGE REGULATOR PROGRAM AUTO VOLTAGE REGULATOR	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

The Automated Voltage Regulator replaces the obsolete legacy regulator within CVN 68 Class turbine generators. The regulator is a digital, variable frequency mil-spec unit unique to this class.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			3	1.4	14	4.7	8	2.6	8	2.6	8	2.7	16	5.3	4	1.3					61	20.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					AP	1.8	3	4.7	4	3.0	10	6.1	12	6.9	16	8.0	4	2.7	12	6.3	61	39.5
TOTAL PROCUREMENT				1.4		6.5		7.3		5.6		8.8		12.2		9.3		2.7		6.3		60.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
AUTO VOLTAGE REGULATOR PROGRAM AUTO VOLTAGE REGULATOR	ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	2 Months	PRODUCTION LEADTIME:	18 Months

CONTRACT DATES:		FY 2006:	FEB-06	FY 2007:	JUN-07	FY 2008:	JUN-08	FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:	AUG-07	FY 2007:	JAN-09	FY 2008:	JAN-10	FY 2009:	JAN-11

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT					AP	1.6	3	4.3													3	5.9
FY 2007 EQUIPMENT					AP	0.2	AP	0.4	4	2.6	10	5.0									14	8.2
FY 2008 EQUIPMENT									AP	0.4	AP	0.9	8	3.9							8	5.2
FY 2009 EQUIPMENT											AP	0.2	4	2.0	4	1.6					8	3.8
FY 2010 EQUIPMENT													AP	0.4	8	4.3					8	4.7
FY 2011 EQUIPMENT													AP	0.6	4	2.1	4	2.7	8	4.0	16	9.4
FY 2012 EQUIPMENT																			4	2.3	4	2.3
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	4	0	0	0	4	6	8	0	4	0	0	12	4	0	0	0	0	0	16	61
Out	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	4	0	0	0	4	6	0	4	0	8	0	4	0	0	0	0	28	61

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY A/C PLANTS	TYPE MODIFICATION: S/A 248K	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	
DESCRIPTION/JUSTIFICATION:			
This shipalt installs additional AC Plant in LHD 1 to upgrade LHD 1 to the class configuration.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	1.4																	1	1.4
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					1	9.5															1	9.5
TOTAL PROCUREMENT				1.4		9.5																10.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY A/C PLANTS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:		18 Months			
CONTRACT DATES:		FY 2006:	FEB-06	FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:	AUG-07	FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT					1	9.5															1	9.5
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Out	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED	TYPE MODIFICATION:	MODIFICATION TITLE:	
LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY BOAT (RIB) DAVITS	S/A 1082K AND 1083K	ITEMS LESS THAN $5 MILLION	
DESCRIPTION/JUSTIFICATION:			
This shipalt installs Boat (RIB) Davits replacing LCPL Davits on the LHA/LHD Class Ships.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	1	0.5	9	7.2	3	1.4	6	2.7	3	1.4											22	13.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			1	0.2	1	0.2	2	0.2	6	0.6	3	0.3									13	1.5
TOTAL PROCUREMENT		0.5		7.4		1.6		2.9		2.0		0.3										14.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY BOAT (RIB) DAVITS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:								
METHOD OF IMPLEMENTATION:			AIT					
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:		11 Months		
CONTRACT DATES:		FY 2006:	OCT-06	FY 2007:	FEB-07	FY 2008:	OCT-07	FY 2009:	OCT-08
DELIVERY DATES:		FY 2006:	AUG-07	FY 2007:	SEP-07	FY 2008:	AUG-08	FY 2009:	AUG-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS			1	0.3																	1	0.3
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					1	0.2	2	0.2													3	0.4
FY 2008 EQUIPMENT									6	0.6											6	0.6
FY 2009 EQUIPMENT											3	0.3									3	0.3
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	1	0	0	0	1	0	1	1	0	0	2	2	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13
Out	0	0	0	0	0	1	0	0	0	1	1	1	0	0	2	2	2	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED LT308 LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY REVERSE OSMOSIS (RO) UNITS	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	
DESCRIPTION/JUSTIFICATION:			
This funding is to install RO Units previously procured under Shipalt 834K.			
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:			

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	2	0.8																			2	0.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			1	1.7			1	2.2													2	3.9
TOTAL PROCUREMENT		0.8		1.7				2.2														4.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
LHD MIDLIFE, LHA MIDLIFE/SUSTAINABILITY REVERSE OSMOSIS (RO) UNITS	ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:	AIT								
ADMINISTRATIVE LEADTIME:	3 Months			PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS			1	1.7			1	2.2													2	3.9
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Out	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES 30 TON DECK CRANE CONTROL SYS	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change replaces the control system for the 30 Ton Crane with a modern, electronic, computerized control system. The existing 30 Ton Crane control system was designed in the late 1970s and is no longer logistically supported. Maintenance costs continue are high due to the difficulty in obtaining repair parts and frequent failure of components. In addition, mission capability has been frequently degraded because the Deck Crane is required to support USMC amphibious assault landings and boat ops. New 30 Ton Crane Controls are expected to reduce Total Ownership Costs of the Crane. A 5 year payback period is expected.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT											2	0.6	1	0.3	1	0.3					4	1.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST													2	0.8	1	0.4	1	0.4			4	1.6
TOTAL PROCUREMENT												0.6		1.1		0.7		0.4				2.8

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES 30 TON DECK CRANE CONTROL SYS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	SHIPYD/COMP								
ADMINISTRATIVE LEADTIME:	6 Months			PRODUCTION LEADTIME:	5 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT													2	0.8							2	0.8
FY 2011 EQUIPMENT															1	0.4					1	0.4
FY 2012 EQUIPMENT																	1	0.4			1	0.4
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	1	4
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	0	0	0	0	1	4

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES A/C PLANT (LSD 41 - 43)	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change installs an additional MIL-Spec 250 Ton Air-Conditioning (A/C) Plant installed in a new auxiliary machinery room. Increased heat loads from additional/new equipment and increased chilled-water requirements from C4I upgrades have surpassed the A/C systems ability to meet HVAC Design Criteria for air conditioning and chilled-water. LSD 41-43 have less existing A/C plant capacity and therefore require a 250 Ton plant vs. a 130 Ton plant in LSD 44 - 52.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					2	2.6			1	1.3											3	3.9
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									2	4.8	1	2.4									3	7.2
TOTAL PROCUREMENT						2.6				6.1		2.4										11.1

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES A/C PLANT (LSD 41 - 43)							MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:		6 Months		PRODUCTION LEADTIME:		13 Months			
CONTRACT DATES:	FY 2006:		FY 2007:	JAN-07	FY 2008:		FY 2009:	JAN-09	
DELIVERY DATES:	FY 2006:		FY 2007:	APR-08	FY 2008:		FY 2009:	APR-10	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT									2	4.8											2	4.8
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											1	2.4									1	2.4
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	3

Only required for 3 Ships (9 Ships completed during construction)

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES A/C PLANT (LSD 44 - 52)	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change installs an additional ruggedized Coast Guard developed 130 Ton Air-Conditioning (A/C) Plant installed in a new auxiliary machinery room. Increased heat loads from additional/new equipment and increased chilled-water requirements from C4I upgrades have surpassed the A/C systems ability to meet HVAC Design Criteria for air conditioning and chilled-water.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					1	0.4			1	0.4	5	2.0			2	0.8					9	3.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	2.4			1	2.4	3	6.0	2	4.8	2	4.8			9	20.4
TOTAL PROCUREMENT						0.4		2.4		0.4		4.4		6.0		5.6		4.8				24.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES A/C PLANT (LSD 44 - 52)	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			5 Months	PRODUCTION LEADTIME:		9 Months			
CONTRACT DATES:		FY 2006:		FY 2007:	MAR-07	FY 2008:		FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:		FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	2.4													1	2.4
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											1	2.4									1	2.4
FY 2010 EQUIPMENT													3	6.0	2	4.8					5	10.8
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																	2	4.8			2	4.8
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	1	0	0	0	0	0	2	9
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	1	1	0	1	1	0	0	0	0	3	9

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES ALL ELECTRIC - PMP	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change replaces the no longer logistically supported Woodward 2301 Governor and replaces it with the Woodward Power Management Platform (PMP). The PMP will provide a system that will be logistically supported for the remainder of the LSD Class service life. In addition PMP will improve the ability to manage power generation and distribution onboard LSD Class ships by adding improved load sharing, load shedding capabilities.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					1	0.3	2	0.5	2	0.5	3	0.8	2	0.5	2	0.5					12	3.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	1.1	2	2.2	2	2.2	3	3.3	2	2.2	2	2.2			12	13.2
TOTAL PROCUREMENT						0.3		1.6		2.7		3.0		3.8		2.7		2.2				16.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES ALL ELECTRIC - PMP	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:	9 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	MAR-07	FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:	DEC-08	FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	1.1													1	1.1
FY 2008 EQUIPMENT									2	2.2											2	2.2
FY 2009 EQUIPMENT											2	2.2									2	2.2
FY 2010 EQUIPMENT													3	3.3							3	3.3
FY 2011 EQUIPMENT															2	2.2					2	2.2
FY 2012 EQUIPMENT																	2	2.2			2	2.2
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES ALL ELECTRIC - RO & GENERATORS	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This SHIPALT removes the auxiliary boilers and steam system equipment and replaces them with electrical equipment including Reverse Osmosis (RO) desalinators which replace the steam evaporators, and numerous electric heaters & galley equipment replacing their steam counterparts. This SHIPALT provides significant Return On Investment (ROI) through improved reliability and maintainability of electrical ship systems/equipment verses the obsolete and maintenance intensive steam systems/equipment. Also, additional electrical plant loads will improve efficient operation of the currently under-loaded SSDGs and contribute to the ROI through reduce maintenance costs for the SSDGs. All-electric ships systems will also increase ships force safety and eliminate personnel hazards from steam.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					3	11.8			2	8.0	3	12.0	2	8.0	2	8.0					12	47.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST			AP	5.7	AP	21.0	1	27.4	2	42.4	2	48.8	3	57.4	2	42.4	2	32.2			12	277.3
TOTAL PROCUREMENT				5.7		32.8		27.4		50.4		60.8		65.4		50.4		32.2				325.1

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES ALL ELECTRIC - RO & GENERATORS	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			5 Months	PRODUCTION LEADTIME:	11 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	JAN-09
DELIVERY DATES:		FY 2006:		FY 2007:	MAY-08	FY 2008:		FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT			AP	5.7	AP	21.0	1	27.4	2	30.0											3	84.1
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT									AP	12.4	2	30.0									2	42.4
FY 2010 EQUIPMENT											AP	18.8	3	45.0							3	63.8
FY 2011 EQUIPMENT													AP	12.4	2	30.0					2	42.4
FY 2012 EQUIPMENT															AP	12.4	2	32.2			2	44.6
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES DIESEL IMPROVEMENT - L/O POLISHER	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	

DESCRIPTION/JUSTIFICATION:

Change procures and installs a Lube Oil Polisher for the Ship Service Diesel Generators (SSDGs). The Lube Oil Polishers are designed to remove small particulate contaminants from the lube oil. Elimination of these contaminants greatly extends the life of the SSDGs between major repairs and increases the operational availability of the SSDGs

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					3	0.8			2	0.5	3	0.8	2	0.5	2	0.5					12	3.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	0.1	2	0.2	2	0.2	3	0.3	2	0.2	2	0.2			12	1.2
TOTAL PROCUREMENT						0.8		0.1		0.7		1.0		0.8		0.7		0.2				4.3

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES DIESEL IMPROVEMENT - L/O POLISHER							MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:		4 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:		FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	0.1	2	0.2											3	0.3
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	0.2									2	0.2
FY 2010 EQUIPMENT													3	0.3							3	0.3
FY 2011 EQUIPMENT															2	0.2					2	0.2
FY 2012 EQUIPMENT																	2	0.2			2	0.2
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES DIESEL IMPROVEMENT - L/O PURIFIER	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change installs Ship Service Diesel Generator (SSDG) Lube Oil Purifiers. As well as the particulate contaminants eliminated by the Lube Oil Polisher, the purifier separates the oil from other liquid contaminants such as engine coolant, fuel and condensation. Coolant and fuel are often found in lube oil due to leaks in the coolant and fuel system that are not immediately discovered. Elimination of coolant, fuel and condensation in the lube oil greatly extends the service life of the SSDG prior to requiring repair and overhaul and therefore saves significant repair dollars.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					3	0.8			2	0.5	3	0.8	2	0.5	2	0.5					12	3.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	0.1	2	0.2	2	0.2	3	0.3	2	0.2	2	0.2			12	1.2
TOTAL PROCUREMENT						0.8		0.1		0.7		1.0		0.8		0.7		0.2				4.3

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES DIESEL IMPROVEMENT - L/O PURIFIER	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	AIT								
ADMINISTRATIVE LEADTIME:	3 Months			PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:		FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	0.1	2	0.2											3	0.3
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	0.2									2	0.2
FY 2010 EQUIPMENT													3	0.3							3	0.3
FY 2011 EQUIPMENT															2	0.2					2	0.2
FY 2012 EQUIPMENT																	2	0.2			2	0.2
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES LOCAL AREA NETWORK (LAN)	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

The LAN provides the infrastructure to distribute the digital data required for MCS (Machinery Control System), PMP (Power Management Platform) and SCS (Steering Control System) operation. Tbe LAN distubutes sensor data from the machinery plants to the MCS consoles. This data allows the MCS operator to effectively operate the machinery plant remotely then provide machinery plant commands back over the LAN. The LAN allows data to be distributed to numerous consoles throughout the ship that could serve as backups if the primary consoles incur a failure or battle casualty increasing MCS, PMP and SCS operational availabililty and survivability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					3	1.2			2	0.8	3	1.2	2	0.8	2	0.8					12	4.8
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	2.4	2	7.4	2	8.0	3	10.9	2	8.0	2	8.0			12	44.7
TOTAL PROCUREMENT						1.2		2.4		8.2		9.2		11.7		8.8		8.0				49.5

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES LOCAL AREA NETWORK (LAN)	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			5 Months	PRODUCTION LEADTIME:	6 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:		FY 2007:	DEC-07	FY 2008:		FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	2.4	2	7.4											3	9.8
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	8.0									2	8.0
FY 2010 EQUIPMENT													3	10.9							3	10.9
FY 2011 EQUIPMENT															2	8.0					2	8.0
FY 2012 EQUIPMENT																	2	8.0			2	8.0
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES LOW PRESSURE AIR COMPRESSOR	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This Ship Change replaces the Low-Pressure Air Compressors (LPAC) with modern, oil-free compressors. Parts obsolescence is a rapidly growing and more costly problem on these maintenance intensive compressors. This Ship Change provides Return On Investment (ROI) through improved reliability and maintainability of LPACs and reduced maintenance by elimination of oil contamination of pneumatic controls components (new compressors are oil-free). In addition, the new compressors will provide significant readiness improvement through increased reliability of Vital, low-pressure air supply to Vital combat systems and the main propulsion controls.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT			1	0.3	3	1.8			2	1.2	1	0.6	1	0.6	1	0.6					9	5.1
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	1.2	3	3.6	2	2.4	1	1.2	1	1.2	1	1.2			9	10.8
TOTAL PROCUREMENT				0.3		1.8		1.2		4.8		3.0		1.8		1.8		1.2				15.9

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES LOW PRESSURE AIR COMPRESSOR	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			5 Months	PRODUCTION LEADTIME:		13 Months			
CONTRACT DATES:		FY 2006:	MAR-06	FY 2007:	JUN-07	FY 2008:		FY 2009:	JAN-09
DELIVERY DATES:		FY 2006:	APR-07	FY 2007:	JUL-08	FY 2008:		FY 2009:	FEB-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT							1	1.2													1	1.2
FY 2007 EQUIPMENT									3	3.6											3	3.6
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	2.4									2	2.4
FY 2010 EQUIPMENT													1	1.2							1	1.2
FY 2011 EQUIPMENT															1	1.2					1	1.2
FY 2012 EQUIPMENT																	1	1.2			1	1.2
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	1	1	0	1	0	0	0	0	1	0	0	0	0	0	1	9
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	1	0	0	0	1	1	0	1	0	0	0	0	0	0	0	2	9

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES MACHINERY CONTROL SYSTEM	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This SHIPALT replaces analog based machinery control consoles with a Machinery Control System comprising of programmable-logic controllers and digital workstations/consoles with graphic displays. The existing machinery control systems and their associated controllers and consoles were designed in the late 1970s and are archaic in comparison to current controls technology. Parts obsolescence is a rapidly growing and more costly problem on these maintenance intensive controls. The MCS also provides significantly enhanced operational, remote operational and monitoring capabilities. This system will reduce workload, provide significant Readiness improvement, improve safety and provide cost avoidance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT				1.4	1	1.5	2	3.0	2	3.0	3	4.5	2	3.0	2	3.0					12	19.4
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST					AP	3.7	1	2.0	2	8.0	2	8.0	3	10.0	2	8.0	2	8.0			12	47.7
TOTAL PROCUREMENT				1.4		5.2		5.0		11.0		12.5		13.0		11.0		8.0				67.1

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES MACHINERY CONTROL SYSTEM							MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:		5 Months		PRODUCTION LEADTIME:		6 Months			
CONTRACT DATES:	FY 2006:		FY 2007:	JUN-07	FY 2008:	JUN-08	FY 2009:	JUN-09	
DELIVERY DATES:	FY 2006:		FY 2007:	DEC-07	FY 2008:	DEC-08	FY 2009:	DEC-09	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT					AP	3.7	1	2.0													1	5.7
FY 2008 EQUIPMENT									2	8.0											2	8.0
FY 2009 EQUIPMENT											2	8.0									2	8.0
FY 2010 EQUIPMENT													3	10.0							3	10.0
FY 2011 EQUIPMENT															2	8.0					2	8.0
FY 2012 EQUIPMENT																	2	8.0			2	8.0
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES PROPELLER BLADES & PLMU	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This SHIPALT replaces the existing Propeller Blades with higher efficiency blades and installs Propulsion Load Management Units (PLMU) that result in fuel savings and engine maintenance reduction as well as operational benefits. The prototype for this SHIPALT was installed and proven aboard the LSD 44 under the DOD sponsored Commercial Operations and Support Savings Initiative (COSSI). Return On Investment (ROI) for the class is estimated at over $40M (after payback) and operational benefits include increased top speed, quicker response/deceleration, and elimination of existing system performance problems (i.e., low lube-oil pressure trip of main engines). A Congressional Plus-up was provided to help bridge the gap between the COSSI funding and LSD Midlife Program funding. This Plus-up was used to procure/install this SHIPALT in LSD 41, 44 and 52. Only 9 LSDs will require this SHIPALT as part of the Midlife Program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					1	0.8			2	1.5	5	3.8			1	0.8					9	6.9
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									1	0.9	2	1.8	3	2.4	2	1.8	1	0.9			9	7.8
TOTAL PROCUREMENT						0.8				2.4		5.6		2.4		2.6		0.9				14.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES PROPELLER BLADES & PLMU	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	SHIPYD/COMP								
ADMINISTRATIVE LEADTIME:	5 Months			PRODUCTION LEADTIME:	13 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	JUN-07	FY 2008:		FY 2009:	JAN-09
DELIVERY DATES:		FY 2006:		FY 2007:	JUL-08	FY 2008:		FY 2009:	FEB-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT									1	0.9											1	0.9
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	1.8									2	1.8
FY 2010 EQUIPMENT													3	2.4	2	1.8					5	4.2
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																	1	0.9			1	0.9
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	1	9
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	2	9

Only required for 9 Ships (3 Ships complete by other funding [COSSI & Congressionnal Plus-Up])

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT309 LSD MIDLIFE UPGRADES STEERING CONTROL SYSTEM	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

This SHIPALT replaces the analog Helm and Lee Helm Steering Consoles and equipment with an electronic, computerized Steering Control System (SCS) that integrates various navigation parameters, such as location (latitude, longitude) from GPS as well as pitch, roll, speed, heading, and wind. SCS will be designed to integrate with ECDOS-N digital nautical charts. The existing Bridge control system was designed in the late 1970s and is near the end of it's useful service life. Parts obsolescence is a rapidly growing and more costly problem on this maintenance intensive control system. The IBS also provides significantly enhanced operational and monitoring capabilities as well as real-time Navigation data . This system will reduce workload, provide significant Readiness improvement, improve safety and provide cost avoidance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT					3	3.9			2	2.6	3	3.9	2	2.6	2	2.6					12	15.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	1.0	2	2.0	2	2.0	3	3.0	2	2.0	2	2.0			12	12.0
TOTAL PROCUREMENT						3.9		1.0		4.6		5.9		5.6		4.6		2.0				27.6

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED LSD MIDLIFE UPGRADES STEERING CONTROL SYSTEM	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYD/COMP						
ADMINISTRATIVE LEADTIME:			4 Months	PRODUCTION LEADTIME:	11 Months				
CONTRACT DATES:		FY 2006:		FY 2007:	FEB-07	FY 2008:		FY 2009:	FEB-09
DELIVERY DATES:		FY 2006:		FY 2007:	JAN-08	FY 2008:		FY 2009:	JAN-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT							1	1.0	2	2.0											3	3.0
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT											2	2.0									2	2.0
FY 2010 EQUIPMENT													3	3.0							3	3.0
FY 2011 EQUIPMENT															2	2.0					2	2.0
FY 2012 EQUIPMENT																	2	2.0			2	2.0
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	1	0	0	0	0	0	2	12
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	3	12

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION 250 TON AC PLANT	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT									2	3.0											2	3.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST															2	4.7					2	4.7
TOTAL PROCUREMENT										3.0						4.7						7.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION 250 TON AC PLANT	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:			3 Months	PRODUCTION LEADTIME:		24 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	JUN-11

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT															2	4.7					2	4.7
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	2
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION ELECTRICAL UPGRADES	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							1	0.5					1	4.0	1	5.7					3	10.2
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	0.3							1	1.4	1	1.9			3	3.6
TOTAL PROCUREMENT								0.8						4.0		7.1		1.9				13.8

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION ELECTRICAL UPGRADES								MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:		Months		PRODUCTION LEADTIME:		12 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	NOV-07	FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	MAY-08	FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							1	0.3													1	0.3
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT															1	1.4					1	1.4
FY 2012 EQUIPMENT																	1	1.9			1	1.9
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	3
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3

Remarks:

CLASSIFICATION: UNCLASSIFIED			February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION			
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION ELEVATOR UPGRADES	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION	

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							1	0.7			1	0.7									2	1.4
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									1	1.7			AP	0.6	1	0.7					2	3.0
TOTAL PROCUREMENT								0.7		1.7		0.7		0.6		0.7						4.4

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION ELEVATOR UPGRADES	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:			Months	PRODUCTION LEADTIME:	12 Months				
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-08	FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-09	FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									1	1.7											1	1.7
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT													AP	0.6	1	0.7					1	1.3
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	2
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION MAIN PROPULSION	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							1	2.9	1	0.8											2	3.7
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							1	2.4			1	2.5									2	4.9
TOTAL PROCUREMENT								5.3		0.8		2.5										8.6

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION MAIN PROPULSION	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:	SHIPYARD								
ADMINISTRATIVE LEADTIME:		Months	PRODUCTION LEADTIME:	6 Months					
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	DEC-07	FY 2009:	JUN-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	JUN-08	FY 2009:	DEC-09

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT							1	2.4													1	2.4
FY 2009 EQUIPMENT											1	2.5									1	2.5
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION REPLACE OBSOLETE IPE	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant. Shipset = 4 units.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							2	1.0	1	0.5	2	1.0	1	0.5	2	1.0					8	4.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									2	1.0	1	0.3	2	1.0	1	0.4	2	0.9			8	3.6
TOTAL PROCUREMENT								1.0		1.5		1.3		1.5		1.4		0.9				7.6

CLASSIFICATION: UNCLASSIFIED									February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)									
MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION REPLACE OBSOLETE IPE							MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION		
INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:		Months		PRODUCTION LEADTIME:		12 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-08	FY 2009:	MAR-09
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	MAR-09	FY 2009:	MAR-10

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									2	1.0											2	1.0
FY 2009 EQUIPMENT											1	0.3									1	0.3
FY 2010 EQUIPMENT													2	1.0							2	1.0
FY 2011 EQUIPMENT															1	0.4					1	0.4
FY 2012 EQUIPMENT																	2	0.9			2	0.9
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	2	0	1	0	0	0	0	0	0	2	8
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	3	8

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT313 AS-39 MODERNIZATION REPLACE TRAVELING CRANES	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Modifications to upgrade the AS 39 Class in order to maintain, improve and extend the service life of a class of 2 ships. Upgrades include procurement and replacement of obsolete mission critical Industrial Plant Equipment (IPE), procurement and installation of switchboards and upgrades to the steam propulsion plant.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT													1	1.3	1	1.3					2	2.6
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST													AP	0.2	1	1.1	1	0.8			2	2.1
TOTAL PROCUREMENT														1.5		2.4		0.8				4.7

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED AS-39 MODERNIZATION REPLACE TRAVELING CRANES	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:			SHIPYARD						
ADMINISTRATIVE LEADTIME:			Months	PRODUCTION LEADTIME:		12 Months			
CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT													AP	0.2	1	0.8					1	1.0
FY 2012 EQUIPMENT															AP	0.3	1	0.8			1	1.1
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED LT316 PATROL COASTAL MODERNIZATION DIESEL ENGINES	TYPE MODIFICATION:	MODIFICATION TITLE: ITEMS LESS THAN $5 MILLION

DESCRIPTION/JUSTIFICATION:

Funding is to upgrade/modernize Patrol Coastal Class Ships in order to maintain capability to meet current mission requirements. Includes main engine replacement, communications and HM&E upgrades.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT							1	4.0													1	4.0
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									1	7.5											1	7.5
TOTAL PROCUREMENT								4.0		7.5												11.5

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED	MODIFICATION TITLE:
PATROL COASTAL MODERNIZATION DIESEL ENGINES	ITEMS LESS THAN $5 MILLION

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME:	Months	PRODUCTION LEADTIME:	8 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:	JAN-08	FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:	AUG-08	FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT									1	7.5											1	7.5
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
FY 2011 EQUIPMENT																						
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
TO COMPLETE																						

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1

Remarks:

CLASSIFICATION: UNCLASSIFIED

Exhibit P-23, TIME PHASED REQUIREMENT SCHEDULE **SMARTSHIP** **LT140**	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 1**	P-1 LINE ITEM NOMENCLATURE **ITEMS LESS THAN $5 MILLION** **(11LT, 61LT)**	DATE **February 2007**

		FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	4		1			1					1						1	1					1											
SCHOOL/OTHER TRAINNING																																		
OTHER																																		
TOTAL PHASED REQ	4	4	5	5	5	6	6	6	6	6	7	7	7	7	7	7	8	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10
ASSETS ON HAND																																		
DELIVERY																																		
FY 05 & PRIOR	4																																	
FY 06			1																															
FY 07							1																											
FY 08											1																							
FY 09															1																			
FY 10																		1																
FY 11																							1											
FY 12																																		
FY 13																																		
TC																																		
TOTAL ASSETS	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10
QTY OVER(+) OR SHORT(-)	0	0	0	0	0	-1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REMARKS:

	TOTAL RQMT	INSTALLED ON 10/05	ON HAND AS OF 10/05	FY 05 & PRIOR UNDELIVERED	UNFUNDED
APPN OPN (1810)	10	4	0	0	
APPN					
APPN					

PROC LEADTIME mos	ADMIN mos	INITIAL ORDER mos	REORDER mos

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NAVAL SHIPYARDS/AITS							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2006								FY 2007							
		CVN75	1					CVN71	1						
FY 2008								FY 2009							
		CVN68	1											CVN76	1

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE ITEMS LESS THAN $5 MILLION						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NAVAL SHIPYARDS/AITS							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2010								FY 2011							
CVN69	1									CVN77	1				
FY 2012								FY 2013							

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE CHEMICAL WARFARE DETECTORS **SUBHEAD NO. 81CW BLIN: 0989**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	4.7			2.2	3.1	4.0	6.6	9.0	11.9	14.1	12.2	6.4	74.2
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

CHEMICAL & BIOLOGICAL DEFENSE PROGRAM (INSTALLATION REQUIREMENTS):

Public Law 103-160, Section 1703 created a Joint Service Chemical and Biological Defense Program (CBDP) to address ever growing threats from the aggressive proliferation of chemical and biological weapons. Joint CBDP funds the development and procurement of Chemical and Biological Defense (CBD) Equipment to enhance the warfighter's ability to survive and complete their mission in a chemical biological contaminated environment. The Navy is responsible for the associated installation/integration and sustainment funds only. The Navy's requirement for Joint Biological Point Detection System (JBPDS), Joint Chemical Agent Detection (JCAD), Joint Service Lightweight Standoff Chemical Agent Detection (JSLSCAD) has been validated by CNO in associated Joint Operational Requirements Documents.

-The JBPDS Block I will provide the Navy with automated, knowledge-based capability to detect and identify biological warfare agents in less than 15 minutes. The inventory objective for shipboard installations is 95.

-The JCAD will provide a portable hand-held or mounted chemical agent vapor detection capability for monitoring spaces, surfaces, and interior areas and for detection of contamination on personnel. Inventory objective for shipboard installations is 277.

-The JSLSCAD will provide a fully automatic, real time line-of-sight, passive standoff, chemical agent detection capability at distances up to 3.1 miles (5.0 kilometers). Capable of day and night operation by local or remote operator command, the JSLSCAD will provide visual and audible indication of the class and relative position of the detected chemical agent. Inventory objective for shipboard installations is 133.

The Navy Expeditionary Combat Comand (NECC) was established 1 Oct 2005 to serve as the type commander for the USN'4 expeditionary initiatives in support of the GWOT and N8 was the designated sponsor by OPNAVNOTE 3111 dated 6 Sep 2005. The formal commissioning on 13 jan 2006, resulted in the consolidation of four existing and five furture commands. Existing commands (and current sponsors) include: Naval Coastal Warfare (NCW - N85); Explosive Ordnance Disposal (EOD - N85); 1st Naval Construction Division (1NCD - N43); and Navy Expeditionary Logistics Support Force (NAVELSF - N41). New commands to support GWOT initiative are: Riverine (N85); Navy Expeditionary Security Force

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE CHEMICAL WARFARE DETECTORS **SUBHEAD NO. 81CW BLIN: 0989**	

(NESF - none); Maritime Civil Affairs Group (MCAG - non); Navy Expeditionary Training Team (NETT - none); Expeditionary combat Readiness Center (ECRC - none).

The Riverine force is made up of a command element of 45 personnel and 3 Squandrons with 224 personnel. Each squadron has 19 Officers and 205 Enlisted. Funding will be used to procure Chemical and Biological Defense Equipment (i.e. individual protection equipment kit, chemical detectors, portable decom and systems protective shelters).

Installation of Equipment

Funding is for installation of equipment including Fleet Modernization Program installations, installation of training equipment and installation of equipment in other shore facilities. Procurement of equipment is funded by the Joint Chemical Biological Defense Program.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **CHEMICAL WARFARE DETECTORS** **SUBHEAD NO. 81CW**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
CW001	CHEMICAL WARFARE PROGRAM														
	RIVERINE		0	0	0.0	1,296	0	0.0	0	0	0.0	581	0	0.0	1,012
	TOTAL EQUIPMENT		**0**			**1,296**			**0**			**581**			**1,012**
	INSTALLATION														
CWINS	INSTALL OF EQUIPMENT ALL		3,130	0	0.0	885	0	0.0	2,187	0	0.0	2,467	0	0.0	5,177
CWINS	TOTAL NON FMP INSTALL		1,563	0	0.0	0	0	0.0	941	0	0.0	920	0	0.0	434
	TOTAL INSTALLATION		**4,693**			**885**			**3,128**			**3,387**			**5,611**
TOTAL			**4,693**			**2,181**			**3,128**			**3,968**			**6,623**

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED CW001 CHEMICAL WARFARE PROGRAM JBPDS BLK 1	TYPE MODIFICATION:	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS

DESCRIPTION/JUSTIFICATION:

OPNAVINST 3400.10F articulates U.S. Navy Chemical, Biological and Radiological Defense (CBR-D) policy and establishes functional responsibilities to ensure the highest level of Fleet Readiness and warfighting sustainability in a CBR environment. Joint Biological Point Detection Systems (JBPDS BLK I) provides for improved biological agent detection and reporting. The JBPDS ORD (J2-B001-Revision 1, dated 7 January, 2002) validates the modification. The equipment procurement is funded out of the Joint Chemical Biological Defense Program Budget P-1 Item Nomenclauture: (JP0100) JOINT BIO POINT DETECTION SYSTEM (JBPDS). JBPDS BLK I will replace IBADS where applicable.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: ACAT II PROGRAM, JORD-JAN 2002; MSI-JUN 1996; MSII-JAN 1997; DT-AUG 2001; MSIII-JUN 2003.

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT	8				9		9		14		10		11		20		9		5		95	
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	8	3.1	AP	0.9	9	2.2	9	2.5	14	3.2	10	2.3	11	3.1	20	3.7	9	1.7	5	1.1	95	23.8
TOTAL PROCUREMENT		3.1		0.9		2.2		2.5		3.2		2.3		3.1		3.7		1.7		1.1		23.8

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED CHEMICAL WARFARE PROGRAM JBPDS BLK 1	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS
INSTALLATION INFORMATION:	
METHOD OF IMPLEMENTATION: AIT	
ADMINISTRATIVE LEADTIME: 6-11 Months	PRODUCTION LEADTIME: 9-12 Months

CONTRACT DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	
DELIVERY DATES:		FY 2006:		FY 2007:		FY 2008:		FY 2009:	

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS	8	3.1																			8	3.1
FY 2006 EQUIPMENT			AP	0.9																		0.9
FY 2007 EQUIPMENT					9	2.2															9	2.2
FY 2008 EQUIPMENT							9	2.5													9	2.5
FY 2009 EQUIPMENT									14	3.2											14	3.2
FY 2010 EQUIPMENT											10	2.3									10	2.3
FY 2011 EQUIPMENT													11	3.1							11	3.1
FY 2012 EQUIPMENT															20	3.7					20	3.7
FY 2013 EQUIPMENT																	9	1.7			9	1.7
TO COMPLETE																			5	1.1	5	1.1

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	8	0	0	0	0	4	2	2	1	4	1	0	4	3	1	4	6	4	1	0	5	1	4	2	4	3	3	3	11	2	2	2	3	5	95
Out	8	0	0	0	0	4	2	2	1	4	1	0	4	3	1	4	6	4	1	0	5	1	4	2	4	3	3	3	11	2	2	2	3	5	95

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED CW001 CHEMICAL WARFARE PROGRAM JCAD	TYPE MODIFICATION:	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS

DESCRIPTION/JUSTIFICATION:

OPNAVINST 3400.10F articulates U.S. Navy Chemical, Biological and Radiological Defense (CBR-D) policy and establishes functional responsibilities to ensure the highest level of the Fleet readiness and warfighting sustainability in a CBR environment. Joint Chemical Agent Detection (JCAD) systems provides improved hand-held chemical agent detection. The equipment procurement is funded out of the Joint Chemical Biological Defense Program Budget P-1 Item Nomenclature: (JF0100) JOINT CHEM AGENT DETECTOR (JCAD). An "installation set" consists of 21 JCADS for LHA, 21 JCADS for LHD, 9 JCADS for LSD, 9 JCADS for an LPD, 5 JCADS for MCM, 3 JCADS for MHC , 13 per MCS and 24 for CVN/CV.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MSI-APR 1999; CDR-FEB 2002; MSIII-SEP 2003

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT											38		31		48		37		123		277	
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									AP	1.3	38	3.1	31	3.1	48	3.2	37	1.7	123	4.6	277	17.0
TOTAL PROCUREMENT										1.3		3.1		3.1		3.2		1.7		4.6		17.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED CHEMICAL WARFARE PROGRAM JCAD	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:			1-11 Months		PRODUCTION LEADTIME:		2 Months		
CONTRACT DATES:		FY 2006:			FY 2007:		FY 2008:		FY 2009:
DELIVERY DATES:		FY 2006:			FY 2007:		FY 2008:		FY 2009:

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT									AP	1.3	38	3.1									38	4.4
FY 2011 EQUIPMENT													31	3.1							31	3.1
FY 2012 EQUIPMENT															48	3.2					48	3.2
FY 2013 EQUIPMENT																	37	1.7			37	1.7
TO COMPLETE																			123	4.6	123	4.6

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	10	10	7	8	8	8	12	12	12	12	9	9	9	10	123	277
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	9	10	10	7	8	8	8	12	12	12	12	9	9	9	10	123	277

Remarks:

CLASSIFICATION: UNCLASSIFIED		February 2007
EXHIBIT P-3A INDIVIDUAL MODIFICATION		
MODELS OF SYSTEM AFFECTED CW001 CHEMICAL WARFARE PROGRAM JSLSCAD	TYPE MODIFICATION:	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS

DESCRIPTION/JUSTIFICATION:

OPNAVINST 3400.10F articulates U.S. Navy Chemical, Biological and Radiological Defense (CBR-D) policy and establishes functional responsibilities to ensure the highest level of the Fleet readiness and warfighting sustainability in a CBR environment. Joint Service Lightweight Standoff Chemical Agent Detector (JSLSCAD) systems provide improved chemical agent standoff detection. JSLSCAD will provide standoff (remote) detection of chemical agents. It will provide automated determination of the chemical agent, detection of blood agents and detection of a wider range of chemical agents than its predecessor. The JSLSCAD Joint ORD (dated June 1997) validates the modification. The equipment procurement is funded out of the Joint Chemical Biological Defense Program Budget P-1 Item Nomenclature: (S10801)JS LTWT STANDOFF CW AGT DETECTOR (JSLSCAD).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MSII-SEP 96; JORD-JUN 97; CDR-JAN 99; DT-OCT 02; IOT&E-JAN 03

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
FINANCIAL PLAN(IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
MODIFICATION KITS																						
MODIFICATION KITS - UNIT COST																						
MODIFICATION NONRECURRING																						
EQUIPMENT											25		27		44		33		4		133	
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER																						
OTHER																						
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST									AP	0.6	25	3.4	27	4.9	44	6.0	33	3.4	4	0.7	133	19.0
TOTAL PROCUREMENT										0.6		3.4		4.9		6.0		3.4		0.7		19.0

CLASSIFICATION: UNCLASSIFIED	February 2007

EXHIBIT P-3A INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEM AFFECTED CHEMICAL WARFARE PROGRAM JSLSCAD	MODIFICATION TITLE: CHEMICAL WARFARE DETECTORS

INSTALLATION INFORMATION:									
METHOD OF IMPLEMENTATION:			AIT						
ADMINISTRATIVE LEADTIME:			10-17 Months		PRODUCTION LEADTIME:		10 Months		
CONTRACT DATES:		FY 2006:			FY 2007:		FY 2008:		FY 2009:
DELIVERY DATES:		FY 2006:			FY 2007:		FY 2008:		FY 2009:

($ in Millions)

COST	Prior Years		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		FY 2012		FY 2013		TC		TOTAL	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
PRIOR YEARS																						
FY 2006 EQUIPMENT																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT									AP	0.6	25	3.4									25	4.0
FY 2011 EQUIPMENT													27	4.9							27	4.9
FY 2012 EQUIPMENT															44	6.0					44	6.0
FY 2013 EQUIPMENT																	33	3.4			33	3.4
TO COMPLETE																			4	0.7	4	0.7

INSTALLATION SCHEDULE

	FY 2005	FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				TC	TOTAL
	& Prior	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	7	6	7	7	7	11	11	11	11	8	8	8	9	4	133
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	6	6	7	6	7	7	7	11	11	11	11	8	8	8	9	4	133

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM **SUBHEAD NO. 815D BLIN: 0990**	
Program Element for Code B Items	Other Related Program Elements	

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	44.5			14.5	14.7	16.1	16.7	18.6	19.1	19.3	18.8	0	182.3
SPARES COST (In Millions)	0.0			0.0	0.0	0.6	0.7	0.7	0.6	0.4	0.5	0.0	3.5

PROGRAM DESCRIPTION/JUSTIFICATION:

5D007 - THE ELECTROLYTIC OXYGEN GENERATOR CONTROLLER

A replacement digital controller developed to replace the antiquated analog controller currently being used on all Electrolytic Oxygen Generators (EOG). This Controller was designed in the 1950's and redesigned in the 1960's is no longer logistically serviceable.

The replacement controller will require 12,000 fewer parts, replace the gas analyzer, provide greater reliability and allow for self diagnostics. In addition, this change will completely automate EOG including start-up, shut-downs and purging situations. The EOG will be modified by installation teams during the ships refit period and will take eight days to complete.

5D009 - CENTRAL ATMOSPHERE MONITORING SYSTEM (CAMS) IIA

A replacement atmosphere analyzer to replace the current CAMS I units on 688 Class submarines due to obsolescence.

5D830 - PRODUCTION ENGINEERING

The review and approval of any production contract technical documentation, or the separate development of this documentation to include, technical manuals, PMS, Level III production drawings, provisioning technical documentation (PTD), Program Support Data (PSD) and Allowance Parts Lists (APL); Engineering & support for final design reviews. This work can be accomplished by NSWC PHILA as the in-service engineering agent, other Naval activities or contractors as appropriate.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		**DATE** **February 2007**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **SUBMARINE LIFE SUPPORT SYSTEM** **SUBHEAD NO. 815D**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
5D007	ELECTROLYTIC OXYGEN GENERATOR (EOG) CONTROL	A	29,497	7	1,850	12,953	6	2,180	13,079	6	2,227	13,360	6	2,274	13,644
5D009	CAMS IIA	A	0	0	0.0	1,000	0	0.0	1000	5	380	1,901	5	385	1,923
5D830	PRODUCTION ENGINEERING		1,615	0	0.0	523	0	0.0	613	0	0.0	867	0	0.0	1182
	TOTAL EQUIPMENT		**31,112**			**14,476**			**14,692**			**16,128**			**16,749**
TOTAL			**31,112**			**14,476**			**14,692**			**16,128**			**16,749**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					**DATE February 2007**
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM BLIN: 0990**					**SUBHEAD 815D**
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
5D007										
LECTROLYTIC OXYGEN GENERATOR (EOG) CONTRO	7	1850	NSWC PHILA		SS/FP	TREADWELL THOMASTON CT	MAR-06	SEP-07	YES	
FY 2007										
5D007										
LECTROLYTIC OXYGEN GENERATOR (EOG) CONTRO	6	2180	NSWC PHILA		SS/FP	TREADWELL THOMASTON CT	JAN-07	FEB-08	YES	
FY 2008										
5D007										
LECTROLYTIC OXYGEN GENERATOR (EOG) CONTRO	6	2227	NSWC PHILA		SS/OPT	TREADWELL THOMASTON CT	JAN-08	JUN-09	YES	
5D009										
CAMS IIA	5	380	NSWC PHILA		SS/FP	HAMILTON SUNDSTRAND CT	FEB-08	FEB-09	YES	
FY 2009										
5D007										
LECTROLYTIC OXYGEN GENERATOR (EOG) CONTRO	6	2274	NSWC PHILA		SS/OPT	TREADWELL THOMASTON CT	JAN-09	JAN-10	YES	
5D009										
CAMS IIA	5	385	NSWC PHILA		SS/FP	HAMILTON SUNDSTRAND CT	NOV-08	NOV-09	YES	

CLASSIFICATION: UNCLASSIFIED

Exhibit P-23, TIME PHASED REQUIREMENT SCHEDULE ELECTROLYTIC OXYGEN GENERATOR (EOG) CONTROLS 5D007	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 1**	P-1 LINE ITEM NOMENCLATURE **SUBMARINE LIFE SUPPORT SYSTEM (815D)**	DATE **February 2007**

		FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY	6	0	3	3	2	3	2	3	5	2	3	0	2	2	2	0	2	2	2	0	2	2	2	0	2	2	2	0	2	2	2	0	0	12
SCHOOL/OTHER TRAINNING	2	0																																0
OTHER	0																																	0
TOTAL PHASED REQ	8	8	11	14	16	19	21	24	29	31	34	34	36	38	40	40	42	44	46	46	48	50	52	52	54	56	58	58	60	62	64	64	64	76
ASSETS ON HAND	0																																	
DELIVERY																																		
FY 05 & PRIOR	8	0	3	3	2	3	2	3	3																									
FY 06			C						2	2	3																							
FY 07							C						2	2	2																			
FY 08											C						2	2	2															
FY 09															C						2	2	2											
FY 10																			C						2	2	2							
FY 11																							C						2	2	2			
FY 12																											C							6
FY 13																															C			6
TC		0	3	3	2	3	2	3	5	2	3	0	2	2	2	0	2	2	2	0	2	2	2	0	2	2	2	0	2	2	2	0	0	
TOTAL ASSETS	8	8	11	14	16	19	21	24	29	31	34	34	36	38	40	40	42	44	46	46	48	50	52	52	54	56	58	58	60	62	64	64	64	76
QTY OVER(+) OR SHORT(-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REMARKS:

	TOTAL RQMT	INSTALLED ON 10/06	ON HAND AS OF 10/0	FY 06 & PRIOR UNDELIVERED	UNFUNDED
APPN	76	16	0	18	
APPN					
APPN					

PROC LEADTIME 18 mos	ADMIN 3 mos	INITIAL ORDER 18 mos	REORDER 18 mos

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NSWC PHILADELPHIA							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2006								FY 2007							
EOG	0	EOG	3	EOG	3	EOG	2	EOG	3	EOG	2	EOG	3	EOG	5
SCHOOLS	0														
FY 2008								FY 2009							
EOG	2	EOG	3			EOG	2	EOG	2	EOG	2			EOG	2

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NSWC PHILADELPHIA							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2010								FY 2011							
EOG	2	EOG	2			EOG	2	EOG	2	EOG	2			EOG	2
FY 2012								FY 2013							
EOG	2	EOG	2			EOG	2	EOG	2	EOG	2				

CLASSIFICATION: UNCLASSIFIED

Exhibit P-23, TIME PHASED REQUIREMENT SCHEDULE **CAMS IIA** **5D009**	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 1**	P-1 LINE ITEM NOMENCLATURE **SUBMARINE LIFE SUPPORT SYSTEM** **(815D)**	DATE **February 2007**

		FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				LATER
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
ACTIVE FORCE INVENTORY															3	2	0	3	2	0	0	3	3	2	0	3	3	2	0	3	3	2	0	6
SCHOOL/OTHER TRAINNING																																		
OTHER																																		
TOTAL PHASED REQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	8	10	10	10	13	16	18	18	21	24	26	26	29	32	34	34	40
ASSETS ON HAND																																		
DELIVERY																																		
FY 05 & PRIOR																																		
FY 06																																		
FY 07																																		
FY 08										C					3	2	0																	
FY 09														C				3	2	0	0													
FY 10																		C				3	3	2	0									
FY 11																						C				3	3	2	0					
FY 12																										C				3	3	2	0	
FY 13																														C				6
TC																																		
TOTAL ASSETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	5	8	10	10	10	13	16	18	18	21	24	26	26	29	32	34	34	40
QTY OVER(+) OR SHORT(-)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

REMARKS:

	TOTAL RQMT	INSTALLED ON 10/06	ON HAND AS OF 10/06	FY 05 & PRIOR UNDELIVERED	UNFUNDED
APPN	40	0	0	0	
APPN					
APPN					

PROC LEADTIME 12 mos	ADMIN 3 mos	INITIAL ORDER 13 mos	REORDER 13 mos

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NSWC PHILADELPHIA							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2006								FY 2007							
FY 2008								FY 2009							
										CAMS IIA	3	CAMS IIA	2		

CLASSIFICATION: UNCLASSIFIED															
Exhibit P-23A, Installation Data								P-1 LINE ITEM NOMENCLATURE SUBMARINE LIFE SUPPORT SYSTEM						DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 1								Installing Agent NSWC PHILADELPHIA							
1ST QTR		2ND QTR		3RD QTR		4TH QTR		1ST QTR		2ND QTR		3RD QTR		4TH QTR	
EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY	EI/F	QTY
FY 2010								FY 2011							
CAMS IIA	3	CAMS IIA	2					CAMS IIA	3	CAMS IIA	3	CAMS IIA	2		
FY 2012								FY 2013							
CAMS IIA	3	CAMS IIA	3	CAMS IIA	2			CAMS IIA	3	CAMS IIA	3	CAMS IIA	2		

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE DIVING AND SALVAGE EQUIPMENT **SUBHEAD NO. 81HY BLIN: 1130**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	8.8			6.8	6.3	6.8	6.6	6.9	7.5	7.6	7.8	0.0	65.1
SPARES COST (In Millions)	0.0			0.8	0.7	1.0	1.0	0.6	1.4	0.2	0.3	0.0	5.9

PROGRAM DESCRIPTION/JUSTIFICATION:

DIVING

This request provides funding for procurement of modern equipment to replace the Navy's archaic diving systems. The demand for divers' services for salvage, ship husbandry, repair and sanitizing work is rapidly increasing. The requested funding procures diving hardware which increases the efficiency and safety of the working diver. Program objectives are to: (1) provide increased safety for diver decompression and better recompression chamber patient monitoring capability, (2) increase underwater ship maintenance capabilities, (3) improve quick response capability, and (4) standardize the configuration of diving systems in the Fleet.

SALVAGE:

This request provides program support for the procurement of critical salvage and underwater ship repair items. Public Law 513 (80th Congress, 10 USC 7361 ET SEQ) authorizes the Secretary of the Navy to provide, by contractor or otherwise, necessary salvage and diving equipment, services and facilities for public, private, and military vessels upon such terms and conditions as he may, in his discretion, determine to be in the best interest of the United States.

The U. S. Navy Supervisor of Salvage maintains the Emergency Ship Salvage Material (ESSM) System which consists of a network of bases that maintain, control, and issue material for salvage operations, underwater ship husbandry operations, pollution abatement operations, ocean engineering projects, special authorized projects, and equipment for use in national emergencies. The major bases are located in Williamsburg, Virginia; Port Hueneme, California; Singapore; and Livorno, Italy. Satellite bases having smaller allowances are maintained at Sasebo, Japan; Pearl Harbor, Hawaii; and Bahrain. This system provides the Nation's first line of defense for major pollution abatement operations and the Navy's second line of defense for salvage operations.

DIVING AND SALVAGE RESERVE EQUIPMENT

This request provides funding for procurement of modern equipment to replace the Navy's reserve diving systems at the end of their service life. The demand for divers' services for salvage, ship husbandry, repair and sanitizing work is increasing. The requested funding procures diving hardware which increases the efficiency and safety of the working diver. Program objectives are to: (1) provide increased safety for diver decompression and better recompression chamber patient monitoring capability, (2)

increase underwater ship maintenance capabilities, (3) improve quick response capability, and (4) standardize the configuration of diving systems in the active Fleet and Reserve. Dive system compatibility is imperative to ensure safety and readiness. The major items of procurement are:

HY106 LIGHTWEIGHT DIVE SYSTEM (LWDS):

a. This system is completely self-contained, man-portable, and can be deployed from dockside or a ship of opportunity. The system will support two working divers and a standby diver to 190 feet of seawater (FSW) for up to a six hour mission performing ship husbandry, light salvage, and underwater inspection tasks. The Diver Equipment will interface with all Navy certified, air surface supplied diving systems. Required Inventory Objective (I/O) is 40.

DLSS:

1. Compressor Package - Compressor and prime mover mounted on a common frame; with external fuel tank and gauges.
2. Composite Flasks - Racks of composite HP cylinders; with manifolds and interconnecting hoses.
3. Volume Tank - Assembly mounted on separate frame; with interconnecting hoses.
4. Control Console - Suitcase size with air supply and pneumofathometer control.

b. 3000 PSI Flask Replacement: This item replaces the composite flasks used in the LWDS which have reached their 15 year service life. I/O is 564.

c. Portable Air Dive Consoles: Very lightweight air diving consoles that are used quick response, forward deployed missions where SCUBA is not sufficient. I/O is 30.

d. Portable Oxygen Dive Consoles: Lightweight oxygen diving consoles that are used to provide in water oxygen for decompression. I/O is 30.

e. Engineering Change Proposals: Required to upgrade the LWDS for 190 fsw capability and 5000 psi service.

HY107 PORTABLE RECOMPRESSION CHAMBER:

a. Portable Chamber: The Paracel Transportable Recompression Chamber System provides an effective two-man evacuation, transport, treatment, and transfer under pressure capability in order to

benefit a diver suffering a pressure related ailment requiring urgent hyperbaric treatment. This is the lightest, most transportable system available to the U. S. Navy. Required I/O is 16.

b. H. P. Composite Flask Replacement: This item replaces the composite flasks used in the Transportable Recompression Chamber System (TRCS) which have reached their 15 year service life. I/O is 594.

c. Engineering Change Proposals

d. Environmental Upgrade Package: This item modified existing systems with an environmental system to allow operation in both hot and cold extreme temperature

environments. I/O is 16.

HY123 FLYAWAY DIVE SYSTEM (FADS) III:
The FADS III is a matrix of components designed to support manned diving to 850 fsw. It is made up of three major subsystems, the High Pressure (H.P.) Air System, the Mixed Gas System and the Saturation Diving System. The air system consists of a 5000 psi air rack using lightweight composite flasks, a portable diver's air console, and a 5000 psi air compressor packaged for flyaway applications. The mixed gas subsystem consists of H.P. racks for containment of various gas mixes required for diving operations, a mixed gas diving console, and a gas transfer system for charging mixed gas flasks. The saturation diving subsystem consists of H.P. racks for containment of various gas mixes required for diving operations, a mixed gas diving console, and a gas transfer system for charging mixed gas flasks, topside hyperbaric chamber for diver storage and decompression, diving bell and bell handling system. Support equipment includes diver life support items such as diver hot water heaters, hot water suits, dry suits, umbilicals, diver full face masks, small, man-portable, diesel-powered, 5000 psi compressors and diver communication boxes. The matrix concept is designed to provide maximum flexibility in assembling equipment necessary to support a dive mission. Required I/O is 21 High Pressure Air Systems, 3 Mixed Gas Systems, and 1 Saturation Diving System.

HY132 STANDARD NAVY DOUBLE LOCK RECOMPRESSION CHAMBER:
The Recompression Chambers are to be conventional chambers designed to be built using standard commercial specification and standards. Chambers will be capable of providing a full range of recompression treatment to two patients and two attendants. These chambers are containerized to allow the chamber to be transported and installed for long term operations. These chambers will replace aging and difficult to maintain recompression chambers that will be retired due to fatigue and material flaws. Required I/O is12.

HY179 NAVY EXPERIMENTAL DIVING UNIT:
NEDU's mission is to support the Fleet diver through test and evaluation of diving equipment and procedures as well as hyperbaric systems for NAVSEA, Navy, and DoD activities. Funding is to procure equipment for test, facilities atmospheric control, life support, and physiological systems. These systems not only ensure the safety and lives of NEDU sailors performing experimental dives, but ultimately support the combat readiness and mission success of the Fleet sailors who use the equipment tested at NEDU. FY 06 and FY 07 include funding to support the periodic overhaul of the Ocean Simulation Facility (OSF). The OSF is the world's largest man-rated hyperbaric chamber affording space for 12 divers in 5 hyperbaric dry chambers, man-rated for dives to 2,250 feet of sea water (1000 psi) with a 50' x 15', 55,000-gallon wet-pot capacity, temperatures from 28 to 104 F, an associated 1.3 million-cubic foot (37 km3) bottle field and uses a fully computerized data instrumentation and collection system.

HY043 OCEANOGRAPHIC UMBILICAL:
The Navy maintains the ORION, DEEP DRONE, CURV III and MAGNUM remotely operated vehicles for use in hazardous salvage, inspection, and pollution operations. These vehicles are remotely controlled through umbilicals which transmit all command and control functions to the vehicle as well as transmitting all sensor data from the vehicle to the ship. They are procured in different lengths for use in varying ocean depths down to 20,000 feet. The umbilical also acts as the handling line. Required Inventory Objective (I/O) is 16 (12 plus 4 spares).

HY141 U/W SHIP HUSBANDRY INSPECTION SYSTEM:
This hardware will permit rapid transmission of underwater inpection results to topside engineers for damage assessment. It will preclude the necessity of recording and forwarding video tapes for subsequent evaluation and allow engineers to direct inspectors from remote sites. Required I/O is 5.

HY145 COFFERDAM SYSTEM:
This system will contain a variety of cofferdams necessary to accomplish underwater repair tasks to hull plating, shafts, stern tubes and sea chests on several ship classes. The cofferdams are engineered structural habitats which provide a safe underwater dry environment for divers to work and require very little maintenance. Required I/O is 15.

HY146 PROPELLER REPAIR KIT:
These kits will contain the tools necessary to repair minor propeller damage underwater. By accomplishing these repairs in-place, propeller removal and replacement can be avoided thereby saving maintenance funds and returning ships to service faster. Required I/O is 8.

HY151 CLOSED CYCLE HULL CLEANING SYSTEM:
This equipment will eliminate discharge of hull cleaning by-products into harbors. Current cleaning equipment cannot recover any of the discharge. This equipment will be required for environmental compliance. Required I/O is 8.

HY165 UNDERWATER WELDING EQUIPMENT:
Improved welding equipment necessary to permit permanent underwater weld repairs to ship and submarine hull structure. Machines incorporated new technology to stabilize arc voltage and reduce equipment maintenance. I/O is 12.

HY166 ROV TOOL PACKAGE:
This tool package is utilized by remotely operated vehicles to accomplish work on objects on the sea floor and in the water column. These systems consist of dual manipulators, control systems, video inspection systems, range measuring systems, power supplies, hydraulic power units, an ancillary end effectors. I/O is 20.

HY189 FLUX CORE WELD EQUIPMENT:
Equipment is necessary to improve production rates for underwater weld repairs to ship hulls and appendages. I/O is 6.

HY190 VIDEO EQUIPMENT:
Underwater video equipment used by divers to perform detailed inspections of ship hulls and appendages. Equipment is used extensively throughout the Fleet. This equipment will replace aging systems currently in use throughout the Fleet. I/O is 20.

HY191 MOBILE DIVING AND SALVAGE UNIT OUTFITTING EQUIPMENT:

Provides prioritized initial outfitting for newly established Mobile Diving and Salvage Unit Detachments. Includes Salvage and Combat Support Equipment to meet ROC/POE requirements. Equipment will be procured for each Detachment as prioritized by the Fleet. Each Detachment will be partially outfitted starting in FY02 with the highest priority equipment. Completion of outfitting will occur in FY10. I/O is 12.

HY178 H.P. AIR COMPRESSOR:
This item provides reserve commands with indigenous H.P. air compressors for use with their Lightweight Dive Systems procured in HY105. Due to the FY 03 budget mark, Issue: 66777 Sea Enterprise (LOE II), the best value compressor for funding vs. the H.P. air compressor originally supplied with the Lightweight Dive System will be procured for FY 05 - FY 11. Required I/O is 12.

HY195 UNDERWATER RIGGING SUPPORT SYSTEM:
General and special purpose rigging equipment designed for use in underwater ship repair applications. I/O is 8.

HY196 UNDERWATER SHIP HUSBANDRY SUBMARINE SUPPORT SYSTEM:
Special purpose underwater tools used by divers to perform routine and emergent repairs to all Classes of submarines. I/O is 16.

HY197 UNDERWATER SHIP HUSBANDRY PIERSIDE SUPPORT VAN:
Portable milvans outfitted with general and special purpose tools to support various underwater ship husbandry operations. I/O is 12.

HY176 H.P. AIR COMPRESSOR:
This item replaces high pressure air compressors in existing divers' life support systems which have reached the end of their service life. Required I/O is 64.

HY192 THERMAL DIVING SUIT:
New technology diving suits which can be used in cold or warm water to maintain a diver in a safe thermal environment. I/O is 200.

HY050 SYNTHETIC LINE:
This line is used for lifting, mooring, towing, rigging, and in conjunction with the remotely operated vehicles at the salvage site. Required I/O is 200.

HY164 FLYAWAY FADOSS SYSTEM:
This system consists of lightweight motion compensators, winches, rigging jewelry, and lines for lifting heavy objects off the sea floor. All of the components are designed to be flown to the salvage site and loaded aboard ships of opportunity. Required I/O is 14.

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE DIVING AND SALVAGE EQUIPMENT **SUBHEAD NO. 81HY BLIN: 1130**	

HY169 UNDERWATER SHIP HUSBANDRY POWER TOOLS:
These tools will replace the hydraulic tool sets designed and issued to Fleet divers in the 1970's with improved technology. This technology improvement will provide tools which are more environmentally compatible, offer greater power, lighter weight and reduced maintenance. I/O is 15.

HY184 SALVAGE SUPPORT SYSTEM:
These systems are used to support Fleet salvage operations and include equipment required for command and control, communications, supply, repair, rigging, and personnel support. Each system includes the storage and shipping containers necessary to forward deply the equipment to a salvage site. Required I/O is 30.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **DIVING AND SALVAGE EQUIPMENT** **SUBHEAD NO. 81HY**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
	Sponsor: ALL SPONSORS														
HY176	H.P. AIR COMPRESSORS	A	0	0	0.0	0	0	0.0	0	2	63.0	126	2	64.0	128
HY192	THERMAL DIVING SUITS	A	0	0	0.0	0	0	0.0	0	50	2.0	101	50	2.1	103
HY195	UNDERWATER RIGGING SUPPORT SYSTEM		0	0	0.0	0	0	0.0	0	1	596.0	596	0	0.0	0
HY196	UWSH SUBMARINE SUPPORT SYSTEM		0	0	0.0	0	0	0.0	0	1	400.0	400	2	400.0	800
	ALL Subtotal		**0**			**0**			**0**			**1,223**			**1,031**
	Sponsor: N87 - SUBMARINE WARFARE														
HY043	OCEANOGRAPHIC UMBILICAL	A	0	0	0.0	0	1	823.0	823	0	0.0	0	0	0.0	0
HY050	SYNTHETIC LINES	A	0	0	0.0	0	0	0.0	0	0	0.0	0	1	180.0	180
HY106	LIGHTWEIGHT DIVE SYSTEMS														
	C. PORTABLE AIR DIVE CONSOLES	A	180	0	0.0	0	0	0.0	0	0	0.0	0	6	22.3	134
	D. PORTABLE OXYGEN DIVE CONSOLES	A	0	0	0.0	0	0	0.0	0	0	0.0	0	6	27.8	167
	E. ENGINEERING CHANGE PROPOSALS	A	67	0	0.0	0	0	0.0	0	0	0.0	0	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **DIVING AND SALVAGE EQUIPMENT** **SUBHEAD NO. 81HY**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
HY107	PORTABLE RECOMPRESSION CHAMBERS														
	B. HP COMPOSITE FLASK REPLACEMENT	A	0	0	0.0	0	95	3.3	310	150	3.4	515	150	3.5	531
	C. ENGINEERING CHANGE PROPOSALS	A	165	0	0.0	0	0	0.0	0	0	0.0	99	0	0.0	87
	D. ENVIRONMENTAL UPGRADE PACKAGES	A	0	0	0.0	75	0	0.0	0	0	0.0	0	0	0.0	0
HY123	FLYAWAY DIVE SYSTEM III														
	A. HIGH PRESSURE AIR SYSTEMS	A	0	0	0.0	0	1	280.0	280	3	278.0	834	2	283.5	567
	B. ENGINEERING CHANGE PROPOSALS	A	224	0	0.0	0	0	0.0	0	0	0.0	71	0	0.0	65
	E. SATURATION DIVING SYSTEM SUPPORT EQUIPMI	A	0	1	2,921.0	2,921	0	0.0	0	0	0.0	42	0	0.0	47
	F. FADS III SUPPORT EQUIPMENT	A	0	1	98.0	98	9	32.2	290	7	33.1	232	7	33.9	237
HY132	RECOMPRESSION CHAMBERS														
	A. PORTABLE/CONTAINERIZED CHAMBERS	A	2,254	0	0.0	0	0	0.0	0	1	547.0	547	1	559.0	559
	C. CHAMBER SUPPORT EQUIPMENT	A	0	0	0.0	0	0	0.0	0	1	142.0	142	1	146.0	146
	D. ENGINEERING CHANGE PROPOSALS	A	0	1	104.5	105	0	0.0	0	0	0.0	76	0	0.0	69
HY141	UWSH INSPECTION SYSTEMS	A	154	1	207.5	208	0	0.0	0	0	0.0	0	0	0.0	0
HY145	COFFERDAM SYSTEM	A	412	2	251.0	502	1	66.0	66	1	400.0	400	0	0.0	0
HY146	PROPELLER REPAIR KIT	A	476	0	0.0	0	2	121.5	243	0	0.0	0	0	0.0	0
HY164	FLYAWAY FADOSS SYSTEM	A	0	0	0.0	0	0	0.0	0	1	666.0	666	0	0.0	0
HY165	UNDERWATER WELDING EQUIPMENT	A	0	2	97.5	195	0	0.0	0	0	0.0	0	0	0.0	0
HY166	ROV TOOL PACKAGES	A	780	1	711.0	711	0	0.0	0	0	0.0	0	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **DIVING AND SALVAGE EQUIPMENT** **SUBHEAD NO. 81HY**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
HY169	UWSH POWER TOOLS	A	0	0	0.0	0	0	0.0	0	0	0.0	0	1	124.0	124
HY178	H.P. AIR COMPRESSORS	A	103	1	98.5	99	0	0.0	0	0	0.0	0	0	0.0	0
HY179	NAVY EXPERIMENTAL DIVING UNIT														
	NAVY EXPERIMENTAL DIVING UNIT	A	372	0	0.0	320	0	0.0	1135	0	0.0	350	0	0.0	373
HY184	SALVAGE SUPPORT SYSTEMS	A	0	0	0.0	0	0	0.0	0	3	116.7	350	7	129.1	904
HY190	VIDEO EQUIPMENT	A	0	0	0.0	0	3	87.3	262	0	0.0	0	0	0.0	0
HY191	MOBILE DIVING & SALVAGE UNIT OUTFITTING EQUIP	A	3,628	2	776.5	1,553	2	1,426.5	2,853	1	1,293.0	1,293	1	1,403.0	1,403
	N87 Subtotal		**8,815**			**6,785**			**6,262**			**5,617**			**5,593**
	TOTAL EQUIPMENT		**8,815**			**6,785**			**6,262**			**6,840**			**6,624**
TOTAL			**8,815**			**6,785**			**6,262**			**6,840**			**6,624**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE DIVING AND SALVAGE EQUIPMENT BLIN: 1130				SUBHEAD 81HY	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
HY123 FLYAWAY DIVE SYSTEM III										
E. SATURATION DIVING SYSTEM SUPPORT EQUIPME	1	2,921.0	WASHINGTON DC	N/A	C/CPAF	PHOENIX INTL, LANDOVER MD	MAR-06	FEB-07		
HY141										
UWSH INSPECTION SYSTEMS	1	209.0	WASHINGTON DC	N/A	C/CPAF	GPC, IRVINE CA	MAR-06	AUG-06	YES	
HY145										
COFFERDAM SYSTEM	2	251.0	WASHINGTON DC	N/A	C/CPAF	GPC, IRVINE CA	MAR-06	JAN-07	YES	
HY165										
UNDERWATER WELDING EQUIPMENT	2	97.5	WASHINGTON DC	N/A	C/CPAF	PHOENIX INTL, LANDOVER MD	MAR-06	NOV-06	YES	
HY166										
ROV TOOL PACKAGES	1	711.0	WASHINGTON DC	N/A	C/CPAF	PHOENIX INTL, LANDOVER MD	MAR-06	JUL-07	YES	
HY178										
H.P. AIR COMPRESSORS	1	97.0	WASHINGTON DC	N/A	C/CPAF	GPC, IRVINE CA	MAR-06	AUG-06	YES	
HY191										
MOBILE DIVING & SALVAGE UNIT OUTFITTING EQUIP	2	776.5	WASHINGTON DC	N/A	C/CPAF	GPC, IRVINE CA	JUL-06	JUN-07	YES	
FY 2007										
HY043										
OCEANOGRAPHIC UMBILICAL	1	823.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	JAN-08	YES	
HY107 PORTABLE RECOMPRESSION CHAMBERS										
B. HP COMPOSITE FLASK REPLACEMENT	95	3.3	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	JAN-08	YES	
HY123 FLYAWAY DIVE SYSTEM III										
A. HIGH PRESSURE AIR SYSTEMS	1	280.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	MAR-08	YES	
F. FADS III SUPPORT EQUIPMENT	9	32.2	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	JAN-08		
HY145										
COFFERDAM SYSTEM	1	66.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	JAN-08	YES	
HY146										
PROPELLER REPAIR KIT	2	121.5	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	JAN-08	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE DIVING AND SALVAGE EQUIPMENT BLIN: 1130					SUBHEAD 81HY
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HY190										
VIDEO EQUIPMENT	3	87.3	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	DEC-07	YES	
HY191										
MOBILE DIVING & SALVAGE UNIT OUTFITTING EQUIP	2	1,426.5	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-07	FEB-08	YES	
FY 2008										
HY176										
H.P. AIR COMPRESSORS	2	63.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	AUG-08	YES	
HY192										
THERMAL DIVING SUITS	50	2.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09		
HY195										
UNDERWATER RIGGING SUPPORT SYSTEM	1	596.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09		
HY196										
UWSH SUBMARINE SUPPORT SYSTEM	1	400.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09		
HY107 PORTABLE RECOMPRESSION CHAMBERS										
B. HP COMPOSITE FLASK REPLACEMENT	150	3.4	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	JAN-09	YES	
HY123 FLYAWAY DIVE SYSTEM III										
A. HIGH PRESSURE AIR SYSTEMS	3	278.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09	YES	
F. FADS III SUPPORT EQUIPMENT	7	33.1	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	JAN-09		
HY132 RECOMPRESSION CHAMBERS										
A. PORTABLE/CONTAINERIZED CHAMBERS	1	547.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	FEB-09	YES	
C. CHAMBER SUPPORT EQUIPMENT	1	142.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	FEB-09	YES	
HY145										
COFFERDAM SYSTEM	1	400.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	JAN-09	YES	
HY164										
FLYAWAY FADOSS SYSTEM	1	666.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09	YES	
HY184										
SALVAGE SUPPORT SYSTEMS	3	116.7	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09	YES	

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE DIVING AND SALVAGE EQUIPMENT BLIN: 1130				SUBHEAD 81HY	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
HY191										
MOBILE DIVING & SALVAGE UNIT OUTFITTING EQUIP	1	1,293.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-08	MAR-09	YES	
FY 2009										
HY176										
H.P. AIR COMPRESSORS	2	64.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	AUG-09	YES	
HY192										
THERMAL DIVING SUITS	50	2.1	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10		
HY196										
UWSH SUBMARINE SUPPORT SYSTEM	2	400.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10		
HY050										
SYNTHETIC LINES	1	180.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	
HY106 LIGHTWEIGHT DIVE SYSTEMS										
C. PORTABLE AIR DIVE CONSOLES	6	22.3	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10		
D. PORTABLE OXYGEN DIVE CONSOLES	6	27.8	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10		
HY107 PORTABLE RECOMPRESSION CHAMBERS										
B. HP COMPOSITE FLASK REPLACEMENT	150	3.5	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	
HY123 FLYAWAY DIVE SYSTEM III										
A. HIGH PRESSURE AIR SYSTEMS	2	283.5	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	
F. FADS III SUPPORT EQUIPMENT	7	33.9	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	JAN-10		
HY132 RECOMPRESSION CHAMBERS										
A. PORTABLE/CONTAINERIZED CHAMBERS	1	559.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	FEB-10	YES	
C. CHAMBER SUPPORT EQUIPMENT	1	146.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	FEB-10	YES	
HY169										
UWSH POWER TOOLS	1	124.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	
HY184										
SALVAGE SUPPORT SYSTEMS	7	129.1	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	
HY191										
MOBILE DIVING & SALVAGE UNIT OUTFITTING EQUIP	1	1,403.0	WASHINGTON DC	N/A	C/CPAF	UNKNOWN	MAR-09	MAR-10	YES	

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE STANDARD BOATS **SUBHEAD NO. 11H0 BLIN: 1210**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			78	82	62	61	68	65	70	63	0	549
COST (In Millions)	0.0			85.1	49.4	30.2	19.6	43.6	87.1	89.5	90.0	0.0	494.4
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

Boats are procured to fill allowances established by CNO and NAVSEA and to replace boats now in service which are beyond economical repair at shore activities and aboard ships. Total inventory objectives change based on Fleet requirements.

H0028 7M (24FT) RIGID INFLATABLE BOAT (RIB)

Diesel powered, primarily used as ship's lifeboats, search and rescue boats, liberty boats, and for general transportation on auxiliaries, combatants, carriers, amphibious, and shore activities. Also used for AT/FP and MIO/VBSS operations. Service life is 12 years.

H0035 EOD SUPPORT CRAFT (RIB)

Used for MK 16 UBA/Diving Training, Mammal Operations, Ordnance recovery, parachute insertion support and Command and Control. Used for area search, MK5 Mammal Systems, diving training and operations, ordnance/mine recovery. Service life is 10 years.

H0038 UTILITY BOAT (SMALL)

Gasoline outboard single or twin engine powered utility boats from 5.5 to 8.2 meters (18 to 27 ft) in length used primarily for general ports and waterways duties, routine harbor maintenance, and cleanup duties, rescue, firefighting, traffic and picket duties. Service life is 10 years.

H0039 11M (36FT) RIGID INFLATABLE BOAT (RIB)
Carried as a ship's boat or assigned to a shore activity to perform a variety of operations including personnel and light cargo transfer, anchorage administration AT/FP operations and swimmer defense, visit/boarding/search and maritime interdiction, AAV safety boat and AAAV assist boat. Anticipated service life is 12 years.

H0040 FORCE PROTECTION BOAT (SMALL)
Light gasoline twin outboard engine powered (up to 150 hp each) aluminum boats from 7 to 8.2 meters (24 to 27 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Can operate in areas where the environment (sea states/climatology) does not present a significant challenge. Service life is 7 years.

H0042 FORCE PROTECTION BOAT (LARGE)
Twin diesel engine powered aluminum boats over 9 meters (30 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations, at Naval activities and adjacent ports and waterways duties. Needed in areas where the environment (sea states/climatology) necessitate a larger boat for dependability. Too heavy to meet the performance/operational requirements with outboard engines. Service life is 7 years.

H0048 NSW LONG RANGE SUPPORT CRAFT
SEAL combat swimmer/SEAL Delivery Vehicle (SDV)/surface swimmer safety craft for offshore/open ocean training support. Provides transportation to/from training areas, dive supervisor/event officer-in-charge/corpsman safety support platform and injured diver/swimmer egress platform for Naval Special Warfare. Anticipated service life is 10 years.

H0CA1 LIFE RAFTS (CONGRESSIONAL ADD)
Designated as the MK 7 (25-person) and MK 8 (50-person), these rafts incorporate SOLAS (Safety of Life at Sea) requirements and are based on a commercial, Coast Guard approved design. include a standard container system, improved inflation system and improved susrvival equipment. These rafts will replace the aging MK 6's that are reaching the end of their service life and are no longer in production. The Navy has approximately 7,500 life rafts installed on U.S. Naval surface ships. The 25-person and 50-person rafts are the primary means of survival for the ship's crew should abandon ship be required.

H0CA2 NSW COMBAT SWIMMER/DIVER SAFETY CRAFT
FY06 -- Used in support of combat swimmer-diver training evolutions and the Special Warfare Combatant Craft (SWCC) Basic Crewman Training curriculum. Anticipated service life is 10 years.

H0041 FORCE PROTECTION BOAT (MEDIUM)
Heavy gasoline outboard engine powered (over 150 hp each) aluminum boats from 8.2 to 9 meters (27 to 30 ft) in length used primarily for fleet force protection, maritime interdiction, law enforcement operations at Naval activities and adjacent ports and waterways duties. Needed for operations in areas where the environment (sea states/climatology) are significant enough to necessitate the larger boat and resultant larger engines to meet the performance/operational requirements. Service life is 7 years.

H0049 RIVERINE MULTI-MISSION CRAFT
Provides the Navy the ability to conduct shaping and stability (Phase 0) operations, maritime security and additional tasks related to the Global War on Terrorism (GWOT) on inland waterways. Anticipated service life is 8 years.

H0050 NSW SHORT RANGE SUPPORT CRAFT
Used in support of combat swimmer-diver training evolutions and the Special Warfare Combatant Craft (SWCC) Basic Crewman Training curriculum. Anticipated service life is 10 years.

H0051 RIVERINE COMMAND & CONTROL CRAFT
Provides the Navy the ability to support Phase 0, maritime security and combat operations in support of the GWOT on inland waterways; specially configured with robust communications capabilities. Anticipated service life is 8 years.

H0052 WORKBOAT (MEDIUM)
Heavy duty twin Diesel inboard engine powered aluminum or steel boats, less than 11.5 meters (38 ft) in length used primarily for heavier and or more powerful multi-purpose workboat applications at Naval activities and adjacent ports and waterways duties, such as line handling, cargo carrying, harbor cleaning, firefighting, diver support, pusher boat and security barrier tending. The WB(M) is needed for operations in areas where the environment (sea states/climatology) are significant enough to necessitate the larger boat and resultant larger engines to meet the performance/operational, including high bollard pull security barrier towing and pusher boat requirements. Service life is 20 years.

H0830 PRODUCTION ENGINEERING

Used for development of technical data packages, technical support, Acceptance Test and Evaluation, manual development and printing, trials, boat inspections, etc. Also, life raft inspections, QA and production oversite, etc.

H0CA2 BOAT LIFTS (FY07)

Hydraulically operated, electrically powered boat lift for boats up to 13,000 lbs. The lift structure to be aluminum and plastic with corrosion resistant components and hardware to operate in industrial conditions with minimal maintenance. This unit would serve to give the receiving unit additional capabilities of on-site lifting to perform maintenance required to be done out of the water and to reduce maintenance through ready-boat stowage out of the water. The lift employs environmentally safe hydraulic fluid, A/C charging system, rubber capped bunk system and remote control features. A Commercial-Off-The-Shelf (COTS) lift can accomplish the specific requirements. That is, the performance requirements for the Float Lift Boat Lift are not sufficiently extreme or rigorous enough to warrant custom design and/or fabrication methods or materials.

H0CA3 BARRIER BOATS (FY07)

Diesel engine powered boats used primarily for security barrier tending at Naval Bases, Shipyards and other shore activities. Hulls to be steel with aluminum superstructure and corrosion resistant systems, components and hardware to operate in industrial conditions with minimal maintenance. Maneuverability and bollard pull power are the primary operational requirements. Minimal freeboard height aft is necessary for crew safety while accessing and operating the security barrier gate latching mechanisms without compromising stability. Habitability requirements include cabin seating, HVAC system and defrosters. The boat must be as short as practicable to operate in the confined spaces between barriers, piers, barges and ships and as wide as possible to provide the inherent stability characteristics necessary to meet the operational requirements. Can operate in areas where the environment (sea states/climatology) do not present a significant challenge. Towing and pusher boat capacities are commensurate with specific fleet requirements for security barrier gates. A Commercial-Off-The-Shelf (COTS) boat built to recognized commercial standards can accomplish specific operational requirements for the mission. Service life is 20 years

H0CA4 WEAPON RETRIEVAL (FY07)

Twin diesel powered Workboat type vessel from 24 to 30 meters (80 to 100 ft) monohull or equivalent multi-hull in length to serve US Navy Weapons Systems Training and Validation, assisting fleet operations conducting acoustical, thermal and cross-section measurements and testing. Hulls to be steel or aluminum with aluminum superstructure and corrosion resistant systems, components and hardware to operate in industrial conditions with minimal maintenance. Seakindliness underway and while loitering for extended periods are among the primary operational requirements. A large open workspace on the after deck with a retrieval ramp providing access to the water and appropriate weapons handling machinery. Weapons systems equipment to be handled includes missiles, torpedos, surface and air launched ROVs and targets. Minimal freeboard height aft is

necessary for crew safety while accessing and operating the weapons retrieval mechanism without compromising stability. Habitability requirements include berthing, galley, mess, lounge, head(s), generator set(s), HVAC system and defrosters. The boat must be able to accommodate extreme loading conditions (i.e., from a full weapons load topside to light load). The boat must be as stable and as wide as possible to provide the inherent stability characteristics necessary to perform the operations and necessary to provide ergonomics for the crew and passengers. Requirements include communications, navigation and other electronics systems necessary to support the sophisticated training, validation and recording of specialized measurements to support a wide variety of operations. A Commercial-Off-The-Shelf (COTS) boat built to recognized commercial standards can accomplish specific operational requirements for the mission. Service Life is 25 years.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **STANDARD BOATS** **SUBHEAD NO. 11H0**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
H0028	7M RIGID INFLATABLE BOAT (RIB)		0	17	141.0	2,397	17	143.0	2,431	15	146.0	2,190	11	149.0	1,639
H0035	EOD SUPPORT CRAFT		0	11	129.0	1,419	8	132.0	1,056	6	135.0	810	10	138.0	1,380
H0038	UTILITY BOAT (SMALL)		0	16	123.0	1,968	14	125.0	1,750	12	129.0	1,548	0	0.0	0
H0039	11M (36 FT) RIGID INFLATABLE BOAT (RIB)		0	2	520.0	1,040	2	530.0	1,060	2	540.0	1,080	3	550.0	1,650
H0040	FORCE PROTECTION (SMALL)		0	3	207.0	621	7	213.0	1,491	1	219.0	219	9	225.0	2,025
H0041	FORCE PROTECTION (MEDIUM)		0	0	0.0	0	0	0.0	0	2	250.0	500	12	255.0	3,060
H0042	FORCE PROTECTION (LARGE)		0	5	640.0	3,200	0	0.0	0	1	668.0	668	10	682.0	6,820
H0048	NSW LONG RANGE SUPPORT CRAFT		0	0	0.0	0	10	268.0	2,680	1	276.0	276	2	284.0	568
H0049	RIVERINE MULTI-MISSION CRAFT		0	7	950.0	6,650	9	979.0	8,811	9	1,008.0	9,072	0	0.0	0
H0050	NSW SHORT RANGE SUPPORT CRAFT		0	0	0.0	0	0	0.0	0	9	276.0	2,484	3	284.0	852
H0051	RIVERINE COMMAND & CONTROL CRAFT		0	0	0.0	0	0	0.0	0	2	918.0	1,836	0	0.0	0
H0052	WORKBOAT (MEDIUM)		0	0	0.0	0	0	0.0	0	0	0.0	0	1	534.0	534
H00S1	SSP - LARGE ESCORT VESSELS		0	2	10,200.0	20,400	0	0.0	0	0	0.0	0	0	0.0	0

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **STANDARD BOATS** **SUBHEAD NO. 11H0**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
H00S2	SSP - SMALL ESCORT VESSELS		0	10	4,049.2	40,492	5	4,154.8	20,774	2	4,285.0	8,570	0	0.0	0
H0830	PRODUCTION ENGINEERING		0	0	0.0	486	0	0.0	450	0	0.0	495	0	0.0	536
H0900	CONSULTING SERVICES		0	0	0.0	411	0	0.0	413	0	0.0	488	0	0.0	495
H0CA1	LIFE RAFTS		0	0	0.0	4,000	0	0.0	2,194	0	0.0	0	0	0.0	0
H0CA2	NSW CBT SWIMMER/DIVER SAFETY CRAFT		0	5	400.0	2,000	0	0.0	0	0	0.0	0	0	0.0	0
H0CA2	BOAT LIFTS														
	BOAT LIFTS		0	0	0.0	0	0	0.0	1694	0	0.0	0	0	0.0	0
H0CA3	BARRIER BOATS														
	BARRIER BOATS		0	0	0.0	0	9	243.3	2,190	0	0.0	0	0	0.0	0
H0CA4	WEAPON RETRIEVAL														
	WEAPON RETRIEVAL		0	0	0.0	0	1	2,388.0	2,388	0	0.0	0	0	0.0	0
	TOTAL EQUIPMENT		**0**			**85,084**			**49382**			**30,236**			**19,559**
TOTAL			**0**			**85,084**			**49,382**			**30,236**			**19,559**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System					DATE February 2007
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE STANDARD BOATS BLIN: 1210					SUBHEAD 11H0
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
H0028										
7M RIGID INFLATABLE BOAT (RIB)	17	141.0	NAVSEA		GSA	WILLARD	APR-06	SEP-06	YES	
H0035										
EOD SUPPORT CRAFT	11	129.0	NAVSEA		GSA	ZODIAC	JUN-06	NOV-06	YES	
H0038										
UTILITY BOAT (SMALL)	16	123.0	NAVSEA		GSA	VARIOUS	JUN-06	DEC-06	YES	
H0039										
11M (36 FT) RIGID INFLATABLE BOAT (RIB)	2	520.0	NAVSEA		GSA	WILLARD	JUN-06	JUN-07	YES	
H0040										
FORCE PROTECTION (SMALL)	3	207.0	NAVSEA		GSA	SEAARK	JUN-06	DEC-06	YES	
H0042										
FORCE PROTECTION (LARGE)	5	640.0	NAVSEA		GSA	SEAARK	JUN-06	DEC-06	YES	
H0049										
RIVERINE MULTI-MISSION CRAFT	7	950.0	NAVSEA		GSA	SAFEBOAT	DEC-06	SEP-07		
H00S1										
SSP - LARGE ESCORT VESSELS	2	10,200.0	USCG		COMPETITIVE	BOLLINGER	AUG-06	MAY-08	YES	
H00S2										
SSP - SMALL ESCORT VESSELS	10	4,049.2	NAVSEA		GSA	GLADDING-HEARN	DEC-06	JUL-08	YES	
H0CA2										
NSW CBT SWIMMER/DIVER SAFETY CRAFT	5	400.0	NAVSEA		GSA	SOUTHBAY BOAT YARD	MAY-06	NOV-06	YES	
FY 2007										
H0028										
7M RIGID INFLATABLE BOAT (RIB)	17	143.0	NAVSEA		GSA	WILLARD	DEC-06	MAY-07		
H0035										
EOD SUPPORT CRAFT	8	132.0	NAVSEA		GSA	ZODIAC	DEC-06	MAY-07		

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE STANDARD BOATS BLIN: 1210				SUBHEAD 11H0	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
H0038										
UTILITY BOAT (SMALL)	14	125.0	NAVSEA		GSA	VARIOUS	DEC-06	JUN-07		
H0039										
11M (36 FT) RIGID INFLATABLE BOAT (RIB)	2	530.0	NAVSEA		GSA	WILLARD	JAN-07	JAN-08		
H0040										
FORCE PROTECTION (SMALL)	7	213.0	NAVSEA		GSA	SEAARK	JAN-07	JUN-07		
H0048										
NSW LONG RANGE SUPPORT CRAFT	10	268.0	NAVSEA		GSA	TBD	FEB-07	OCT-07		
H0049										
RIVERINE MULTI-MISSION CRAFT	9	979.0	NAVSEA		GSA	SAFEBOAT/USMI	FEB-07	OCT-07		
H00S2										
SSP - SMALL ESCORT VESSELS	5	4,154.8	NAVSEA		GSA	GLADDING-HEARN	DEC-06	JUL-08		
H0CA3 BARRIER BOATS										
BARRIER BOATS	9	243.3	NAVSEA		GSA	TBD	APR-07	OCT-07		
H0CA4 WEAPON RETRIEVAL										
WEAPON RETRIEVAL	1	2,388.0	NAVSEA		GSA	TBD	JUL-07	JAN-09		
FY 2008										
H0028										
7M RIGID INFLATABLE BOAT (RIB)	15	146.0	NAVSEA		GSA	TBD				
H0035										
EOD SUPPORT CRAFT	6	135.0	NAVSEA		GSA	TBD				
H0038										
UTILITY BOAT (SMALL)	12	129.0	NAVSEA		GSA	TBD				
H0039										
11M (36 FT) RIGID INFLATABLE BOAT (RIB)	2	540.0	NAVSEA		GSA	TBD				
H0040										
FORCE PROTECTION (SMALL)	1	219.0	NAVSEA		GSA	TBD				

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE STANDARD BOATS BLIN: 1210				SUBHEAD 11H0	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
H0041										
FORCE PROTECTION (MEDIUM)	2	250.0	NAVSEA		GSA	TBD				
H0042										
FORCE PROTECTION (LARGE)	1	668.0	NAVSEA		GSA	TBD				
H0048										
NSW LONG RANGE SUPPORT CRAFT	1	276.0	NAVSEA		GSA	TBD				
H0049										
RIVERINE MULTI-MISSION CRAFT	9	1,008.0	NAVSEA		GSA	TBD				
H0050										
NSW SHORT RANGE SUPPORT CRAFT	9	276.0	NAVSEA		GSA	TBD				
H0051										
RIVERINE COMMAND & CONTROL CRAFT	2	918.0	NAVSEA		GSA	TBD				
H00S2										
SSP - SMALL ESCORT VESSELS	2	4,285.0	NAVSEA		GSA	TBD	DEC-08	JUL-10		
FY 2009										
H0028										
7M RIGID INFLATABLE BOAT (RIB)	11	149.0	NAVSEA		GSA	TBD				
H0035										
EOD SUPPORT CRAFT	10	138.0	NAVSEA		GSA	TBD				
H0039										
11M (36 FT) RIGID INFLATABLE BOAT (RIB)	3	550.0	NAVSEA		GSA	TBD				
H0040										
FORCE PROTECTION (SMALL)	9	225.0	NAVSEA		GSA	TBD				
H0041										
FORCE PROTECTION (MEDIUM)	12	255.0	NAVSEA		GSA	TBD				
H0042										
FORCE PROTECTION (LARGE)	10	682.0	NAVSEA		GSA	TBD				

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE STANDARD BOATS BLIN: 1210				SUBHEAD 11H0	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
H0048										
NSW LONG RANGE SUPPORT CRAFT	2	284.0	NAVSEA		GSA	TBD				
H0050										
NSW SHORT RANGE SUPPORT CRAFT	3	284.0	NAVSEA		GSA	TBD				
H0052										
WORKBOAT (MEDIUM)	1	534.0	NAVSEA		GSA	TBD				

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE OTHER SHIPS TRAINING EQUIPMENT **SUBHEAD NO. 81H5 BLIN: 1320**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	28.5			3.1	3.9	9.2	5.7	9.9	13.2	6.8	6.6	0.0	86.9
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

The equipment procured under the Other Ships Training Equipment line supports Hull, Mechanical, and Electrical (HM&E) training requirements:

(H5265) Surface Sustaining TTE

Funds procure HM&E technical training equipment (TTE) identified by the Naval Education & Training Command (NETC) for the training activities. Provides equipment to augment existing TTE due to increased student throughput and replaces equipment beyond economical repair.

(H5276) Subsurface Sustaining TTE

Funds procure Subsurface HM&E Fleet and Team Trainer Technical Training Equipment (TTE), support equipment, and simulators/stimulators, identified by the Submarine Learning Center (SLC) and approved by CNO, for use at the submarine training activities. This TTE sustains a better quality of training and replaces equipment beyond economical repair or procures new equipment.

Beginning in FY06 and beyond, Fleet Interactive Display Equipment (FIDE) trainers are provided for nuclear power plant training. Beginning in FY08 and beyond, VA Class trainers are procurred for the 2nd and 3rd Homeports and for updates to existing trainers at NSS, New London.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS		Weapon System	DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		ID Code	P-1 LINE ITEM NOMENCLATURE **OTHER SHIPS TRAINING EQUIPMENT** **SUBHEAD NO. 81H5**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
H5265	SURFACE SUSTAINING TTE														
	SURFACE SUSTAINING TTE		4,822	0	0.0	610	0	0.0	633	0	0.0	652	0	0.0	666
H5276	SUBSURFACE SUSTAINING TTE														
	SUSTAINING TTE		23,700	0	0.0	1,828	0	0.0	1,965	0	0.0	2,128	0	0.0	2,087
	FIDE		0	0	0.0	646	0	0.0	1273	0	0.0	5,689	0	0.0	2,133
	VA CLASS TRAINER ILPE/NLON		0	0	0.0	0	0	0.0	0	1	365.0	365	0	0.0	0
	VA CLASS TRAINER - VSCMT/NLON		0	0	0.0	0	0	0.0	0	0	0.0	0	1	430.0	430
	VA CLASS TRAINER - TORP ROOM NLON		0	0	0.0	0	0	0.0	0	0	0.0	0	1	430.0	430
	VA CLASS TRAINER - FIRE FIGHTING		0	0	0.0	0	0	0.0	0	1	40.0	40	0	0.0	0
	VA CLASS TRAINER - R-134A A/C		0	0	0.0	0	0	0.0	0	1	365.0	365	0	0.0	0
	TOTAL EQUIPMENT		**28,522**			**3,084**			**3871**			**9,239**			**5,746**
TOTAL			**28,522**			**3,084**			**3871**			**9,239**			**5,746**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE OTHER SHIPS TRAINING EQUIPMENT BLIN: 1320**				**SUBHEAD 81H5**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2008										
H5276 SUBSURFACE SUSTAINING TTE										
VA CLASS TRAINER ILPE/NLON	1	365.0	NAVSEA	N/A	WX	NAVAIR TSD, ORLANDO	FEB-08	FEB-10		FEB-08
VA CLASS TRAINER - FIRE FIGHTING	1	40.0	NAVSEA	N/A	WX	NAVAIR TSD, ORLAND	FEB-08	FEB-09		FEB-08
VA CLASS TRAINER - R-134A A/C	1	365.0	NAVSEA	N/A	WX	NAVAIR TSD, ORLANDO	FEB-08	FEB-09		FEB-08
FY 2009										
H5276 SUBSURFACE SUSTAINING TTE										
VA CLASS TRAINER - VSCMT/NLON	1	430.0	NAVSEA	N/A	WX	NAVAIR TSD, ORLANDO	FEB-09	FEB-10		FEB-09
VA CLASS TRAINER - TORP ROOM NLON	1	430.0	NAVSEA	N/A	WX	NAVAIR TSD, ORLANDO	FEB-09	FEB-10		FEB-09

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE OPERATING FORCES IPE **SUBHEAD NO. 81KN BLIN: 1445**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			26.9	47.6	50.3	53.9	49.1	52.4	53.5	54.6	0.0	388.2
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

KN100: INDUSTRIAL PLANT EQUIPMENT (IPE) REPLACEMENT/ AFLOAT SUPPORT: These funds are used to procure industrial plant equipment for afloat (surface combatant) activities which provide maintenance capabilities for Sailors to maintain Ship's mission essential, operational readiness while delployed. The upgraded IPE increases deployed maintenance capability and enhances strike group's ability to remain on station through CASREP avoidance. The program provides new industrial plant equipment to replace equipment beyond economical repair and to upgrade capbilities for ship maintenance and repair.

KN300: SHIPYARD CAPITAL INVESTMENT PROGRAM: This line item provides funding for the Shipyard Capital Investment Program in support of the consolidated Naval Shipyard and Intermediate Maintenance Facilities at the four mission funded Naval Shipyards. Funds will be used for the procurement and execution of Class 3 & 4 plant and personal property projects to maintain, modernize, and improve the infrastructure and industrial base at the mission funded Naval Shipyard/IMF activities. Funding will allow for the acquisition of equipment and OP,N related ADP Hardware/Software necessary to perform the mission of repairing, conversion, and modernization of fleet ships and submarines in the most economical, efficient, environmentally sound, and safe manner possible. Background: Pearl Harbor Naval Shipyard and Intermediate Maintenance Facility (PHNSY&IMF) activity was established at the beginning of FY99 in accordance with the MOA between NAVSEA and COMPACFLT, NAVSEA ltr 5450 Ser 00/133 of 31 Oct 97 / PACFLT ltr 5450 Ser 00/5445 of 26 Nov 97. Puget Sound Naval Shipyard and Intermediate Maintenance Facility (PSNS&IMF) was established at the beginning of FY04 in accordance with the MOA between NAVSEA and CINCPACFLT, NAVSEA ltr 5450 Ser 00/023 of 1 May 03 / COMPACFLT ltr 5450 Ser N00/3217 of 5 May 03. The remaining two Naval Shipyards (Portsmouth and Norfolk) previously operating under the Navy Working Capital Fund (NWCF), have transitioned to direct mission funding beginning in FY 2007 in accordance with PBD 400.

KN400: MINI/MICROMINIATURE ELECTRONIC TEST AND REPAIR: The Navy 2M Module Test & Repair (MTR) Program provides sailors with the capability to repair electronic Circuit Card Assemblies (CCAs) and Electronic Modules (EMs) at Intermediate Maintenance Activities and aboard most combatants. Funding to requirement levels will enable Navy cost avoidance annually by Fleet maintenance levels executing CCA repairs in lieu of more expensive depot sites. The services provided by 2M allow new repair tools to be selected, deployed, and supported in the Fleet in time to support new CCA technolo`gies. Deploying Automatic Test (ATE) and Dagnostic Equipment, and their respective Test Program Sets and Gold Disks allows shipboard personnel to test and diagnose circuit card assemblies at the site of the operational failure. The 2M Program (2M/ATE) together provide a complete electronics subassembly field level maintenance program, avoiding Fleet OPTAR costs and averting CASREPs. This funding is used to procure and deploy

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE OPERATING FORCES IPE **SUBHEAD NO. 81KN BLIN: 1445**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			26.9	47.6	50.3	53.9	49.1	52.4	53.5	54.6	0.0	388.2
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

non-aviation Test Program Sets (TPSs) and Gold Disks. Due to changing technologies, CCAs currently in the Fleet range in price from $500 to $40K each. Currently deployed repair tools, equipment and repair processes will not support repair of CCAs containing advanced technologies such as surface mount and leadless ship carrier. This technology is now becoming prevalent in commercial and military equipment. Outyear funding will be used to procure and deploy commercial equipment to test and diagnose new electronic technologies being introduced into the Fleet.

The value of the 2M repair program is not restricted to a platform or system nor is limited to purely monetary avoidance's. The 2M repair program allows Fleet readiness to be maintained by providing a capability for quality Fleet repairs, thus reducing degradation of equipment reliability and availability. This is a continuing program . As such the quantities identified in this budget will be used to procure new technology tools and integrate capabilities to enable them to be more usable for the Sailor.

KN600: REGIONAL MAINTENANCE AIS: Funding provides support for the Regional maintenance Automated Information systems (RMAIS) initiative. RMAIS is the sole providers of automated electronic brokering of ship maintenance actions among maintenance activities and provide visibility of maintenance/repair workload and status necessary to support sound maintenance management decisions locally, on a regional basis, and at the national level. RMAIS provide the Regional Maintenance Center with the capability to efficiently manage all maintenance and repair resources. Specifically the funds will be used to procure computer hardware and software needed to connect existing Maintenance Automated Information Systems with established Local Area Networks (LANs) and Wide Area Networks (WANs) to facilitate the transfer of maintenance data. The per unit cost for this effort is $100K per server, which includes hardware, software and installation.

KN700: DISTANCE SUPPORT: These funds support the Anchor Desk (Integrated Call Center), Customer Relations Management (CRM) solutions, implementation and standardization of various tele-assistance/telemaintenance tools, collaborative infrastructure support and metrics/data mining.

KN800: INTEGRATED PRODUCT DATA ENVIRONMENT (IPDE): FY02 through FY04 Congressional plus ups were provided to support follow on to the LPD 17 PDM Interoperability initiative. The effort is focused on extending the capability and lessons learned from LPD 17 into a PDM environment. The effort will provide an extension to the interoperability framework and provide a view of product configuration based upon generic product structures. In addition, this effort will demonstrate the interoperability between LPD 17 and another PDM system, and provide the baseline architecture for additional interoperability with other systems. The IPDE will extend the interoperability framework to other applications based upon either common/generic product structures, and will allow for further development of the interoperable framework to provide a fully defined architecture for other applications.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **OPERATING FORCES IPE** **SUBHEAD NO. 81KN**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
KN800	IPDE ENHANCEMENT		0	0	0.0	1,000	0	0.0	0	0	0.0	0	0	0.0	0
KN300	SHIPYARD CAPITAL INVESTMENT PROGRAM		0	0	0.0	22,527	0	0.0	44,747	0	0.0	48,384	0	0.0	51,860
KN400	MINI/MICROMINIATURE ELEC TEST & REPAIR		0	0	0.0	496	0	0.0	512	0	0.0	0	0	0.0	0
KN600	REGIONAL MAINTENANCE AIS		0	0	0.0	928	0	0.0	979	0	0.0	302	0	0.0	312
KN700	DISTANCE SUPPORT		0	0	0.0	1,571	0	0.0	888	0	0.0	1,203	0	0.0	1,242
KN100	AFLOAT IPE SUPPORT (BFIMA UPGRADE) - SURFACE SU		0	0	0.0	416	0	0.0	435	0	0.0	446	0	0.0	455
	TOTAL EQUIPMENT		**0**			**26,938**			**47,561**			**50,335**			**53,869**
TOTAL			**0**			**26,938**			**47561**			**50,335**			**53,869**

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE LCS MODULES **SUBHEAD NO. 11LM BLIN: 1600**	
Program Element for Code B Items	Other Related Program Elements PE 0603581N	

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			36.3	78.7	80.3	271.0	284.5	337.1	377.9	370.8	0.0	1,836.6
SPARES COST (In Millions)	0.0			8.6	1.6	2.9	14.4	15.1	12.3	3.0	0.5	0.0	58.4

PROGRAM DESCRIPTION/JUSTIFICATION:

Mission capabilities in littoral mine warfare, small boat neutralization and littoral anti-submarine warfare to enable the US Joint Force to operate in the littoral for the LCS Class.

LM001 - MIW MISSION PACKAGE (MIW)

The Mine Warfare Mission Package (MIW) will provide the Joint force commander with the capability to conduct organic mine countermeasure (MCM) operations ranging from first response mine detection and avoidance, to neutralization and sweeping for littoral conditions that preclude hunting, enabling Joint operations to be conducted ahead of power projection forces with reduced need for escorts. This will open transit lanes and operating areas for naval forces. MCM operations will reduce the timeline for access to the contested littoral thereby providing options to the joint force commander. Additionally, LCS should have the capability to deploy distributed sensors that will enhance detection, classification, identification and targeting of enemy mines. The MIW package consists of the following systems: COBRA (Coastal Battlefield Reconnaissance & Analysis) , Airborne Laser Mine Detection System (ALMDS), Organic Airborne & Surface Influence Sweep (OASIS), Remote Multi-Mission Vehicle (AN-WLD-1), AQS-20A Minehunting Sonar, Airborne Mine Neutralization System (AMNS), Unmanned Surface Vehicles (USV) with Unmmanned Surface Sweep System (USSS) and Containers (Transportation Equipment Units (TEUs)).

LM002 - ASW MISSION PACKAGE (ASW)

The Littoral Anti-Submarine Warfare Mission Package (ASW)will provide ASW capabilities while operating in a contested littoral environment. Leveraging multiple distributed sensors netted together, LCS will exploit real time undersea data, using maneuver and deception to enhance detection, classification, identification, targeting and destruction of enemy submarines. The ASW package consists of the following systems: Airborne Low Frequency Sonar (ALFS) Dipping Sonar, Multistatic Active Source, Ultralite Towed Array Sensor (UTAS), Remote Tow Active Source (RTAS), Remote Multi-Mission Vehicle (AN-WLD-1), MultiFunction Towed Array (MFTA), and Containers (TEUs).

LM003 - LITTORAL SURFACE WARFARE MISSION PACKAGE (SUW)

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	P-1 LINE ITEM NOMENCLATURE LCS MODULES **SUBHEAD NO. 11LM BLIN: 1600**	

The Littoral Surface Warfare Mission Package (SUW) will provide the capability to detect, track and engage small boat threats, giving the joint force commander the ability to maximize striking power or successfully move through a restricted area. The SUW package consists of the following systems: Non Line of Site-Launch System (NLOS-LS), the 25 mm Gun Module, Maritime Security package, which provides Maritime Interception Operation (MIO) Global War on Terrorism (GWOT), and Containers (TEUs).

LM004 - COMMON VEHICLES

Funds equipment which will provide commonality capability for the three Mission Module Packages: Multimission USVs, RMVs which provide the capability of a single vehicle, and the Advance Communication Package (ACP), which provides Over-The-Horizon (OTH) data relay capabilities to enable LCS to oerate off-board sensors at significantly extended ranges, and Multimission USVs and RMVs which provide the capability of a single vehicle.

LM011 - SUPPORT EQUIPMENT

Provides Modularization & Packaging for all Mission Packages. Each component of the above Mission Packages requires packaging and/or containerization to allow transportability of the Mission Modules. This also provides the capability to reconfigure LCS depending on the mission required.

LM830 - PRODUCTION ENGINEERING

Provides production engineering in support of the above procurements. This includes conduct of first article tests, factory acceptance tests, and other production support efforts directly related to procurement and delivery of the hardware. In addition for Mission Module equipment, review all technical data packages prior to procurement and provide procurement instruction to the procuring activity in support of the Mission Modules unified procurement system.

LM900 - CONSULTING SERVICES

Provides Program Support on Mission Packages Systems for Flight 0.

LM005 - MISSION MODULE ECP

Supports Engineering Change Proposals for the systems in the MIW, ASW, and SUW mission packages.

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **LCS MODULES** **SUBHEAD NO. 11LM**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT														
LM001	MIW MISSION PACKAGE														
	OASIS		0	0	0.0	0	0	0.0	0	0	0.0	0	1	1,965.0	1,965
	AMNS		0	0	0.0	0	2	1,909.0	3,818	1	1,876.0	1,876	2	1,842.0	3,684
	ALMDS		0	0	0.0	0	2	4,421.0	8,842	1	3,762.0	3,762	0	0.0	0
	COBRA		0	0	0.0	0	1	2,500.0	2,500	0	0.0	0	9	2,535.3	22,818
	CONTAINER (6 TEUS PER MP)		0	0	0.0	0	6	163.0	978	6	165.0	990	12	167.0	2,004
	RMMV (AN-WLD-1)		0	2	8,504.0	17,008	0	0.0	0	2	8,971.5	17,943	0	0.0	0
	AN/AQS-20A		0	0	0.0	0	4	5,773.0	23,092	3	6,129.0	18,387	4	6,354.0	25,416
	USV W/USSS		0	0	0.0	0	1	2,674.0	2,674	1	2,705.0	2,705	0	0.0	0
LM002	ASW MISSION PACKAGE														
	UTAS		0	0	0.0	0	0	0.0	0	0	0.0	0	1	2,345.0	2,345
	RTAS		0	0	0.0	0	0	0.0	0	0	0.0	0	1	1,634.0	1,634
	MFTA		0	0	0.0	0	0	0.0	0	0	0.0	0	1	1,566.0	1,566
	CONTAINER (6 TEUS PER MP)		0	0	0.0	0	0	0.0	0	0	0.0	0	6	167.0	1,002
	USV DIPPING SONAR (UDS)		0	0	0.0	0	0	0.0	0	0	0.0	0	1	2,192.0	2,192
	MULTISTATIC ON-BOARD SONAR		0	0	0.0	0	0	0.0	0	0	0.0	0	1	1,396.0	1,396
	RMMV (AN/WLD-1)		0	2	8,504.0	17,008	0	0.0	0	0	0.0	0	0	0.0	0
LM003	SUW MISSION PACKAGE														
	NLOS-LS (4 CLU PER LAUNCHER)		0	0	0.0	0	0	0.0	0	0	0.0	0	3	3,717.0	11,151
	CONTAINER (6 TEUS PER MP)		0	0	0.0	0	0	0.0	0	6	165.0	990	18	167.0	3,006
	MARITIME SECURITY		0	0	0.0	0	0	0.0	0	2	2,249.0	4,498	2	2,358.0	4,716
	30MM GUN MODULE		0	0	0.0	0	0	0.0	0	1	2,392.0	2,392	3	2,421.0	7,263

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)	Weapon System		DATE February 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**	ID Code	P-1 LINE ITEM NOMENCLATURE **LCS MODULES** **SUBHEAD NO. 11LM**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2006			FY 2007			FY 2008			FY 2009		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
LM004	COMMON VEHICLES														
	MULTIMISSION USV		0	0	0.0	0	0	0.0	0	0	0.0	0	10	2,759.0	27,590
	MULTIMISSION (RMMV)		0	0	0.0	0	0	0.0	0	0	0.0	0	10	9,627.2	96,272
LM005	MISSION MODULE ECP														
	ENGINEERING CHANGE PROPOSALS		0	0	0.0	0	0	0.0	14,900	0	0.0	0	0	0.0	0
LM011	SUPPORT EQUIPMENT														
	MODULARIZATION & PACKAGING		0	0	0.0	0	0	0.0	10,271	0	0.0	16,156	0	0.0	42,108
	EQUIPMENT		0	0	0.0	920	0	0.0	2,021	0	0.0	2,660	0	0.0	3,301
LM830	PRODUCTION ENGINEERING		0	0	0.0	1,334	0	0.0	8,645	0	0.0	6,889	0	0.0	8,394
LM900	CONSULTING SERVICES		0	0	0.0	0	0	0.0	1,000	0	0.0	1,076	0	0.0	1,135
	TOTAL EQUIPMENT		**0**			**36,270**			**78,741**			**80,324**			**270,958**
TOTAL			**0**			**36,270**			**78,741**			**80,324**			**270,958**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE February 2007	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					P-1 LINE ITEM NOMENCLATURE LCS MODULES BLIN: 1600				SUBHEAD 11LM	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2006										
LM001 MIW MISSION PACKAGE										
RMMV (AN-WLD-1)	2	8,504.0	SYRACUSE, NY	N/A	F/FP	LMC, SYRACUSE, NY	SEP-06	MAR-08	YES	NOV-05
LM002 ASW MISSION PACKAGE										
RMMV (AN/WLD-1)	2	8,504.0	SYRACUSE, NY	N/A	F/FP	LMS, SYRACUSE, NY	SEP-06	MAR-08	YES	NOV-05
FY 2007										
LM001 MIW MISSION PACKAGE										
AMNS	2	1,909.0	NSWC, PANAMA CITY	OCT-06	OPTION/SS/FP	RAYTHEON, PORTSMOUTH RI	JUN-07	JUN-08		
ALMDS	2	4,421.0	NSWC, PANAMA CITY	OCT-06	WX	NORTHROP GRUMMAN, FL	JUL-07	OCT-08	YES	
COBRA	1	2,500.0	NSWC, PANAMA CITY	JUN-07	WX	NORTHROP GRUMMAN, FL	AUG-07	JUN-08		
CONTAINER (6 TEUS PER MP)	6	163.0	NSWC, PANAMA CITY	N/A	WX	TBD	NOV-06	AUG-07		
AN/AQS-20A	4	5,773.0	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH RI	JUL-07	OCT-08		
USV W/USSS	1	2,674.0	NAVSEA	SEP-06	F/FP	USMI, MS	MAR-07	JUN-08		
FY 2008										
LM001 MIW MISSION PACKAGE										
AMNS	1	1,876.0	NAVSEA	FEB-07	OPTION/SS/FP	RAYTHEON/BAE SYSTEMS	OCT-07	OCT-08		
ALMDS	1	3,762.0	NSWC, PANAMA CITY	JUN-07	OPTION	NG MELBOURNE, FL	MAY-08	SEP-09		
CONTAINER (6 TEUS PER MP)	6	165.0	TBD	N/A	TBD	TBD	NOV-07	AUG-08		
RMMV (AN-WLD-1)	2	8,971.5	SYRACUSE, NY	N/A	OPTION	LMC, SYRACUSE, NY	JUN-08	DEC-09		
AN/AQS-20A	3	6,129.0	NAVSEA	JUN-07	OPTION	RAYTHEON, PORTSMOUTH, RI	MAY-08	OCT-09		
USV W/USSS	1	2,705.0	NAVSEA	N/A	OPTION	USMI, MS	OCT-07	JAN-09		
LM003 SUW MISSION PACKAGE										
CONTAINER (6 TEUS PER MP)	6	165.0	TBD	N/A	TBD	TBD	NOV-07	AUG-08		
MARITIME SECURITY	2	2,249.0	TBD	N/A	TBD	TBD	DEC-07	NOV-08		
30MM GUN MODULE	1	2,392.0	TBD	N/A	TBD	TBD	DEC-07	NOV-08		
FY 2009										

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING (CONTINUATION)					Weapon System				**DATE February 2007**	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 1					**P-1 LINE ITEM NOMENCLATURE LCS MODULES BLIN: 1600**				**SUBHEAD 11LM**	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAILABLE NOW	DATE REVISIONS AVAILABLE
LM001 MIW MISSION PACKAGE										
OASIS	1	1,965.0	NAVSEA	N/A	OPTION	EDO, NORTH AMITYVILLE, NY	OCT-08	JAN-10		
AMNS	2	1,842.0	NAVSEA	N/A	OPTION/SS/FP	RAYTHEON/BAE SYSTENS	OCT-08	OCT-09		
COBRA	9	2,535.3	NSWC, PANAMA CITY	N/A	WX	NORTHROP GRUMMAN, FL	OCT-08	OCT-09		
CONTAINER (6 TEUS PER MP)	12	167.0	TBD	N/A	TBD	TBD	NOV-08	AUG-09		
AN/AQS-20A	4	6,354.0	NAVSEA	N/A	OPTION	RAYTHEON, POSTSMOUTH, RI	MAY-09	OCT-10	YES	
LM002 ASW MISSION PACKAGE										
UTAS	1	2,345.0	TBD	N/A	TBD	TBD	NOV-08	APR-10		
RTAS	1	1,634.0	NAVSEA	N/A	TBD	TBD	NOV-08	APR-10		
MFTA	1	1,566.0	TBD	N/A	TBD	TBD	NOV-08	APR-10		
CONTAINER (6 TEUS PER MP)	6	167.0	TBD	N/A	TBD	TBD	NOV-08	AUG-09		
USV DIPPING SONAR (UDS)	1	2,192.0	TBD	N/A	TBD	TBD	NOV-08	APR-10		
MULTISTATIC ON-BOARD SONAR	1	1,396.0	TBD	N/A	TBD	TBD	NOV-08	APR-10		
LM003 SUW MISSION PACKAGE										
NLOS-LS (4 CLU PER LAUNCHER)	3	3,717.0	REDSTONE, AL	N/A	F/FP	RAYTHEON, AZ	NOV-08	MAR-10		
CONTAINER (6 TEUS PER MP)	18	167.0	TBD	N/A	TBD	TBD	NOV-08	AUG-09		
MARITIME SECURITY	2	2,358.0	TBD	N/A	TBD	TBD	DEC-08	NOV-09		
30MM GUN MODULE	3	2,421.0	TBD	N/A	TBD	TBD	DEC-08	NOV-09		
LM004 COMMON VEHICLES										
MULTIMISSION USV	10	2,759.0	TBD	N/A	TBD	TBD	NOV-08	MAY-10		
MULTIMISSION (RMMV)	10	9,627.2	TBD	N/A	TBD	TBD	NOV-08	MAY-10		

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE FEBRUARY 2007
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 1**		P-1 LINE ITEM NOMENCLATURE DRUG INTERDICTION SUPPORT **SUBHEAD NO. 81DJ BLIN: 1212**
Program Element for Code B Items		Other Related Program Elements

	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity	0			0	0	0	0	0	0	0	0	0	0
COST (In Millions)	0.0			3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
SPARES COST (In Millions)	0.0			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

PROGRAM DESCRIPTION/JUSTIFICATION:

Provide support for Drug Interdiction efforts by procuring twenty-four (24) 25' boats and ten (10) 21' skiffs.