

DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2007
BUDGET ESTIMATES SUBMISSION



JUSTIFICATION OF ESTIMATES
FEBRUARY 2006

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

UNCLASSIFIED
 DEPARTMENT OF THE NAVY
 FY 2007 PROCUREMENT PROGRAM
 SUMMARY
 (\$ IN MILLIONS)

FEBRUARY 2006

APPROPRIATION -----	FY 2005 -----	FY 2006 -----	FY 2007 -----
OTHER PROCUREMENT, NAVY	283.6	287.2	336.2
TOTAL DEPARTMENT OF THE NAVY	283.6	287.2	336.2

UNCLASSIFIED
DEPARTMENT OF THE NAVY
FY 2007 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

FEBRUARY 2006

APPROPRIATION: OTHER PROCUREMENT, NAVY

ACTIVITY -----	FY 2005 -----	FY 2006 -----	FY 2007 -----
03. AVIATION SUPPORT EQUIPMENT	283.6	287.2	336.2
TOTAL OTHER PROCUREMENT, NAVY	283.6	287.2	336.2

UNCLASSIFIED

DEPARTMENT OF THE NAVY
FY 2007 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY

DATE: FEBRUARY 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005		FY 2006		FY 2007		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 03: AVIATION SUPPORT EQUIPMENT									

SONOBUOYS									
88	SONOBUOYS - ALL TYPES	A		49.7		57.6		66.9	U
AIRCRAFT SUPPORT EQUIPMENT									
89	WEAPONS RANGE SUPPORT EQUIPMENT	A		42.9		59.5		56.2	U
90	EXPEDITIONARY AIRFIELDS	A		7.5		7.8		8.1	U
91	AIRCRAFT REARMING EQUIPMENT	A		11.6		11.8		12.2	U
92	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A		21.1		23.6		29.8	U
93	METEOROLOGICAL EQUIPMENT	A		20.0		22.5		14.9	U
94	OTHER PHOTOGRAPHIC EQUIPMENT	A		1.4		1.4		1.5	U
95	AVIATION LIFE SUPPORT	A		31.9		34.4		18.6	U
96	AIRBORNE MINE COUNTERMEASURES	A		66.7		37.5		89.7	U
97	LAMPS MK III SHIPBOARD EQUIPMENT	A		20.4		19.6		27.4	U
98	OTHER AVIATION SUPPORT EQUIPMENT	A		10.4		11.5		10.8	U
TOTAL AVIATION SUPPORT EQUIPMENT				283.6		287.2		336.2	
TOTAL OTHER PROCUREMENT, NAVY				283.6		287.2		336.2	

**Fiscal Year 2007 Budget Estimates
Budget Appendix Extract Language**

OTHER PROCUREMENT, NAVY

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$4,967,916,000, to remain available for obligation until September 30, 2009, of which \$23,000,000 shall be available for the Navy Reserve and Marine Corps Reserve. (10 U.S.C. 5013, 5063; Department of Defense Appropriations Act, 2006).

BUDGET ITEM JUSTIFICATION SHEET											DATE:			
P-40											February 2006			
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE							
Other Procurement, Navy							BA 3 - AVIATION SUPPORT EQUIPMENT						404800, SONOBUOYS - ALL TYPES	
Program Element for Code B Items:							Other Related Program Elements							
	Prior Years	ID Code		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program		
Quantity		A		46,299	52,565	63,758	63,345	66,023	67,671	64,478	Cont	Cont		
Cost (\$M)	\$263.6			\$49.7	\$57.6	\$66.9	\$67.3	\$73.0	\$74.5	\$76.0	Cont	Cont		

DESCRIPTION: The AN/SSQ-36 is a bathythermograph sonobuoy used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to aircraft to assist in the selection of hydrophone depths and tactics for localizing and tracking submarines and long-range forecasts of acoustic conditions in the ocean.

The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization.

The AN/SQQ-62 (DICASS) is an active acoustic directional sonobuoy that provides target bearing and range information.

The AN/SSQ-77 (VLAD) is a passive acoustic directional sonobuoy using a vertical line array. It is part of the family of multi-static active sensor systems.

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive acoustic sonobuoy with a horizontal planar array. It is part of the family of multi-static active sensor systems.

The AN/SSQ-110 is an active source buoy to be used in conjunction with the family of multi-static active sensor systems.

The AN/SSQ-125 is a coherent active search sensor. It is part of the family of multi-static active sensor systems.

Hardware funds may be realigned to support necessary engineering investigations (EIs) and production engineering change proposals (ECPs).

Note: Prior year dollars are for BLI 404800 only.

WEAPONS SYSTEM COST ANALYSIS		Weapon System							DATE:					
P5		SONOBUOY, ALL TYPES							February 2006					
APPROPRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVYBA 3 - AVIATION SUPPORT EQUIPMENT								404800, SONOBUOYS - ALL TYPES U3QZ						
Cost Code	Element of Cost	ID Code	Dollars in Thousands											
			Prior Years			FY 2005			FY 2006			FY 2007		
			Total Cost			QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost
QZ001	HARDWARE AN/SSQ-36	A							3,090	0.302	933			
QZ002	HARDWARE AN/SSQ-53					26,363	0.454	11,956	30,900	0.557	17,223	45,320	0.552	25,025
QZ004	HARDWARE AN/SSQ-62					5,490	1.160	6,367	5,150	1.346	6,932	8,240	1.318	10,860
QZ005	HARDWARE AN/SSQ-77					11,946	0.937	11,192	8,755	1.245	10,901	4,120	1.590	6,552
QZ006	HARDWARE AN/SSQ-101					2,500	4.180	10,450	2,037	4.371	8,903	2,575	4.197	10,808
QZ007	HARDWARE AN/SSQ-110								2,633	1.632	4,296	3,503	0.977	3,422
QZ010	HARDWARE AN/SSQ-125													
QZ831	PROD ENG-AN/SSQ-36										75			
QZ832	PROD ENG-AN/SSQ-53							1,336			929			2,002
QZ834	PROD ENG-AN/SSQ-62							567			555			947
QZ835	PROD ENG-AN/SSQ-77							891			872			524
QZ836	PROD ENG-AN/SSQ-101							842			697			865
QZ837	PROD ENG-AN/SSQ-110							545			344			274
QZ838	PROD ENG-SUS MK 84							700						
QZ840	PROD ENG-AN/SSQ-125													
QZ861	ACCEPT TESTING AN/SSQ-36										93			
QZ862	ACCEPT TESTING AN/SSQ-53							1,503			1,721			2,422
QZ864	ACCEPT TESTING AN/SSQ-62							681			693			1,164
QZ865	ACCEPT TESTING AN/SSQ-77							1,113			1,090			655
QZ866	ACCEPT TESTING AN/SSQ-101							1,051			963			1,081
QZ867	ACCEPT TESTING AN/SSQ-110							545			430			342
QZ870	ACCEPT TESTING AN/SSQ-125													
SUBTOTALS BY BUOY TYPE														
	AN/SSQ-36										1,101			
	AN/SSQ-53							14,795			19,873			29,449
	AN/SSQ-62							7,615			8,180			12,971
	AN/SSQ-77							13,196			12,863			7,731
	AN/SSQ-101							12,343			10,563			12,754
	AN/SSQ-110							1,090			5,070			4,038
	SUS MK 84							700						
	AN/SSQ-125													
Note: Prior year dollars are for BLI 404800 only.						263,600			49,738		57,649			66,943

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System SONOBUOY, ALL TYPES		A. DATE February 2006		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT					404800, SONOBUOYS - ALL TYPES				U3QZ	
Cost Element/Fiscal Year	Qty	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
QZ001 HARDWARE AN/SSQ-36										
2006	3090	0.302	NSWC, CRANE	10/2005	C-FFP	TBD	01/2006	04/2007	YES	
QZ002 HARDWARE AN/SSQ-53										
2005	26363	0.454	NSWC, CRANE	10/2004	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL	01/2005	04/2006	YES	
2006	30900	0.557	NSWC, CRANE	10/2005	C-FFP	TBD	01/2006	04/2007	YES	
2007	45320	0.552	NSWC, CRANE	10/2006	C-FFP	TBD	01/2007	04/2008	YES	
QZ004 HARDWARE AN/SSQ-62										
2005	2490	1.166	NSWC, CRANE	10/2004	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL	01/2005	04/2006	YES	
2005	3000	1.154	NSWC, CRANE	10/2004	C-FFP	UNDERSEA SENSOR SYSTEMS INC. - USSI, COLUMBIA CITY, IN	01/2005	04/2006	YES	
2006	5150	1.346	NSWC, CRANE	10/2005	C-FFP	TBD	01/2006	04/2007	YES	
2007	8240	1.318	NSWC, CRANE	10/2006	C-FFP	TBD	01/2007	04/2008	YES	
QZ005 HARDWARE AN/SSQ-77										
2005	7876	0.880	NSWC, CRANE	10/2004	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL	01/2005	04/2006	YES	
2005	4070	1.047	NSWC, CRANE	10/2004	C-FFP	UNDERSEA SENSOR SYSTEMS INC. - USSI, COLUMBIA CITY, IN	01/2005	04/2006	YES	
2006	8755	1.245	NSWC, CRANE	10/2005	C-FFP	TBD	01/2006	04/2007	YES	
2007	4120	1.590	NSWC, CRANE	10/2006	C-FFP	TBD	01/2007	04/2008	YES	
QZ006 HARDWARE AN/SSQ-101										
2005	2500	4.180	NSWC, CRANE	10/2004	SS-FFP	ERAPSCO, COLUMBIA CITY, IN	05/2005	08/2006	YES	
2006	2037	4.371	NSWC, CRANE	10/2005	SS-FFP	TBD	03/2006	06/2007	YES	
2007	2575	4.197	NSWC, CRANE	10/2006	SS-FFP	TBD	03/2007	06/2008	YES	
QZ007 HARDWARE AN/SSQ-110										
2006	2633	1.632	NSWC, CRANE	10/2005	C-FFP	TBD	01/2006	04/2007	YES	
2007	3503	0.977	NSWC, CRANE	10/2006	C-FFP	TBD	01/2007	04/2008	YES	

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy							420400, WEAPONS RANGE SUPPORT EQUIPMENT				
BA 3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements				
Program Element for Code B Items:											
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$138.7		\$42.9	\$59.5	\$56.2	\$41.7	\$60.7	\$59.9	\$60.8	Cont	Cont

DESCRIPTION:

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Systems Replacement and Modernization (SRAM), and generic systems such as range computer systems, simulation, surveillance systems, Tactical Aircrew Combat Training System (TACTS), Fleet Readiness Program (FRP), Test and Training Enabling Architecture (TENA), Targets/Smart Targets, Tactical Combat Training System (TCTS), Shallow Water Training Range/Pacific Fleet Portable ASW Range. The integral parts of these major range programs include but are not limited to the following: voice communications, weapons scoring systems, display consoles, radars, tracking subsystems, control/computation subsystems, display/debriefing subsystems, processors, HF/VHF/UHF receivers, transmitters/transceivers, multiplexers, intercom circuits, encoding devices, frequency interface control systems, and other specialized equipment.

Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and measure reliability and accuracy of operational systems.

THREAT PRESENTATION

Threat Presentation includes all the necessary components and elements associated with presenting friendly training event participants with an Opposing Force operating environment that replicates the expected enemy order of battle. The capability of a range to recreate any Electronic Combat EOB requires a range to simulate or emulate basic elements of Electronic Combat such as Search, acquisition and tracking radars, Anti-Aircraft Artillery (AAA) systems, Surface-to-Air Missile (SAM) systems, infrared (IR) systems, Jammers, Coastal threats, airborne simulators, and information warfare/command and control systems. This program incorporates previous programs Threat Radar Upgrade (Fallon), Electronic Warfare Threat Systems (SCORE), and Electronic Warfare Threat Upgrade (MAEWR/Dare County). This realignment will allow the fleet more flexibility in determining the placement of EW assets to meet evolving training requirements.

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

The SRAM program provides for the procurement of numerous minor equipments/instrumentation needed at all Navy training ranges. SRAM procurements replace and modernize economically unmaintainable systems and equipment in order to increase range efficiency. Funding for installation of minor equipment is required in all years for all ranges.

TACTICAL COMBAT TRAINING SYSTEM (TCTS)

The Tactical Combat Training System (TCTS) will procure fixed, transportable, and mobile range instrumentation equipment for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. TCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and provide accurate, realistic, and timely feedback. TCTS is building on technology developed for existing tactical training range systems. The system will be interoperable with the USAF P5 CTS system. The TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems. The Ground Subsystem has 4 configurations: Transportable, Portable, Shipboard and Fixed Ground Subsystem.

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy							420400, WEAPONS RANGE SUPPORT EQUIPMENT				
BA 3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements				
Program Element for Code B Items:											
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$138.7		\$42.9	\$59.5	\$56.2	\$41.7	\$60.7	\$59.9	\$60.8	Cont	Cont

TARGETS/SMART TARGETS

Targets represent a variety of mobile and stationary targets/shapes and visual cues that are required to support aviation and surface training of the Naval Forces. Smart Targets represent Electronic Warfare simulators, and legacy system upgrades that present range participants with systems that provide capabilities such as reactivity, mobility, realistic radar cross-section, infrared signature, and realistic threat fidelity.

SHALLOW WATER TRAINING RANGE

Funds the upgrade of fixed underwater training ranges and procurement of a portable underwater range. The fixed ranges are located at the Southern California Off Shore Range (SCORE) in San Diego, California, at the Pacific Missile Range Facility (PMRF) in Kauai, Hawaii and the proposed East Coast Shallow Water Training Range (SWTR) on the east coast of the United States. The fixed underwater ranges are used to provide individual and unit level training for basic ASW skills. Large exercises such as Composite Training Unit Exercises (COMTUEX), Fleet Exercises (FLEETEX), and Joint Task Force Exercises (JTFX) are conducted in the vicinity of the fixed underwater training ranges. SCORE and PMRF have reached the end of their design life and are beginning to fail, critically impacting this training. The SWTR will provide realistic shallow water ASW training against the diesel submarine threat. When units deploy overseas there are very few instrumented training facilities available for honing skills to maintain a high state of readiness. The Portable Underwater Training Range (PUTR) will support ASW training for Forward Deployed Naval Forces (FDNF) in the Pacific.

TEST & TRAINING ENABLING ARCHITECTURE (TENA)

The integration of TENA into existing US Navy Tactical Training Ranges will enable participants, such as those in Tactical Aircrew Combat Training System (TACTS) and Large Area Tracking Range (LATR), to be interoperable with other Joint National Training Center (JNTC) TENA capable assets, and lays the groundwork for subsequent TENA integration with future systems, such as P5/Tactical Combat Training System (TCTS). The requirement also addresses integration of TENA into training range assets, such as (1) Threat Systems, (EW devices/emitters), which enable interoperability, communications flexibility and mobility with other test and training systems, and (2) Weapons Scoring Systems which will enable publishing of weapons impact coordinates in TENA complaint format.

FLEET READINESS PROGRAM (FRP)

This project supports the Navy's transition of fleet training from Vieques Puerto Rico to various locations along the East Coast and Gulf of Mexico. The FRP invests in or procures training instrumentation and tracking systems (air, surface and subsurface), threat presentation systems, scoring systems and communications systems at several existing training locations including but not limited to Oceana, Cherry Point, Beaufort, Townsend, Key West and Atlantic Underwater Test and Evaluation (AUTEC). The FY2005 thru FY2011 program provides additional coastal threat systems more upgrades to existing threats, additional radiating emitter simulator systems, additional range interconnectivity, additional targets, and replaces obsolete components in the Large Area Tracking Range (LATR) system.

JOINT THREAT EMITTER (JTE)

The JTE provides an Integrated Air Defense System (IADS) controlled threat environment. The JTE is capable of simulating multiple threat systems and different IADS scenarios. The JTE set consists of 3 core capabilities; threat system simulation, power supply, and system control. This is an FY05 congressional add to procure one wide band transmitter for the JTE. It is a joint program between the Air Force and Navy.

MULTI-SPECTRAL THREAT EMITTER

The FY05 and FY06 congressional adds will procure (1) Multi-spectral Threat Emitter Simulator (MTES) each year for the Mid-Atlantic Electronic Warfare Range. The MTES is an EW threat emitter that visually represents a specific surfact-to-air threat. The system will be mobile and provide full radio frequency/infrared fidelity. The current system under

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy							420400, WEAPONS RANGE SUPPORT EQUIPMENT				
BA 3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements				
Program Element for Code B Items:											
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$138.7		\$42.9	\$59.5	\$56.2	\$41.7	\$60.7	\$59.9	\$60.8	Cont	Cont

consideration is an infrared simulator.

PMRF UPGRADES

The Pacific Missile Range Facility (PMRF) supports a wide variety of training exercises involving air, surface, and subsurface units. This FY05 congressional add is being utilized for training range instrumentation and range safety upgrades to ensure Fleet training readiness. These funds will provide state-of-the-art capability to conduct safe Fleet exercises, objective evaluation of training effectiveness and employment strategy and tactics, equipment performance evaluation and measurement of reliability and accuracy of operational weapons systems.

PMRF EQUIPMENT

FY06 Congressional Add provides funding for the Barking Sands Underwater Range (BESURE) Refurbishment including all the necessary components and elements associated with extending the operational life of the Barking Sands Underwater Range. The range has reached its intended design life and requires refurbishment and modernization to ensure that it is capable of meeting fleet antisubmarine warfare training requirements in the future. Refurbishment includes replacement of both in-water and shore side hardware and modernization of software systems.

SCORE TARGETS / SMART TARGETS

FY06 Congressional Add provides funding for (1) system at the Southern California Off-Shore Range (SCORE). The system represents a variety of mobile and stationary targets/shapes and visual cues that are required to support aviation and surface training of the Naval Forces. SCORE Targets / Smart Targets represent Electronic Warfare simulators, and legacy system upgrades that present range participants with systems that provide capabilities such as reactivity, mobility, realistic radar cross-section, infrared signature, and realistic threat fidelity.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE 420400, WEAPONS RANGE SUPPORT EQUIPMENT						
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
SC004 SYS REPLACE & MODS (SRAM)											
Quantity		VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR
Funding		73,519	3,379	7,235	6,704	5,956	6,703	7,932	8,183	CONT	CONT
SC012 SHALLOW WATER TRAINING RANGE											
Quantity				VAR	VAR		VAR	VAR	VAR	VAR	VAR
Funding				13,917	19,164		23,195	24,180	18,972	CONT	CONT
SC041 TARGETS / SMART TARGETS											
Quantity			1	VAR		VAR	VAR	VAR	VAR	VAR	VAR
Funding			1,499	5,625		300	500	242	247	CONT	CONT
SC105 THREAT PRESENTATION											
Quantity					VAR	VAR	VAR	VAR	VAR	VAR	VAR
Funding					8,368	10,500	9,000	3,972	5,531	CONT	CONT
SC142 FRP-EARLY WARNING/ACQUISITION RADAR											
Quantity			1								1
Funding			116								116
SC143 FRP-COASTAL THREAT SYSTEMS											
Quantity		2	1								3
Funding		12,890	6,445								19,335
SC144 FRP-REACTIVE TRES											
Quantity		11	8								9
Funding		7,331	7,478								14,809
SC145 FRP-RADAR EMISSION SIMULATING SET											
Quantity		3	5	5	5	5	5	VAR	VAR	VAR	VAR
Funding		2,029	2,305	3,500	3,600	3,700	3,800	3,876	3,954	CONT	CONT
SC146 FRP-COMMUNICATION JAMMERS											
Quantity		1	1								2
Funding		1,083	1,263								2,346
SC148 FRP-NSFS SCORING SYSTEM (PORTABLE)											
Quantity		10		1							11
Funding		4,921		122							5,043
SC150 FRP-RANGE SCORING SYSTEM UPGRADES											
Quantity		VAR									VAR
Funding		461									461
SC151 FRP-TARGETS											
Quantity		VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR
Funding		200	170	218	224	231	237	510	520	CONT	CONT
SC152 FRP-TRACKING SYSTEM UPGRADES											
Quantity		VAR	VAR								VAR
Funding		2,140	2,423								4,563

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE 420400, WEAPONS RANGE SUPPORT EQUIPMENT						
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
SC154 FRP-SSRNM RANGE											
Quantity			1								1
Funding			520								520
SC156 JOINT THREAT EMITTER											
Quantity			1								1
Funding			2,262								2,262
SC157 MULTI-SPECTRAL THREAT EMITTER SYSTEM											
Quantity			2	1							3
Funding			2,375	2,000							4,375
SC158 TCTS - GROUND SUBSYSTEM											
Quantity		VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR	VAR
Funding		637	937	972	2,126	1,796	2,395	3,370	2,490	VAR	VAR
SC159 SCORE TARGETS / SMART TARGETS											
Quantity				VAR							VAR
Funding				1,350							1,350
SC160 PMRF EQUIPMENT											
Quantity				VAR							VAR
Funding				10,000							10,000
SC702 PMRF UPGRADES											
Quantity			VAR								VAR
Funding			1,219								1,219
Other Costs		33,528	10,473	14,517	16,040	19,213	14,825	15,793	20,928	CONT	CONT
Total P-1 Funding		138,739	42,864	59,456	56,226	41,696	60,655	59,875	60,825	CONT	CONT

WEAPONS SYSTEM COST ANALYSIS P5	Weapon System	DATE: February 2006
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APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT	ID Code	P-1 ITEM NOMENCLATURE 420400, WEAPONS RANGE SUPPORT EQUIPMENT
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Cost Code	Element of Cost	ID Code	Dollars in Thousands									
			Prior Years	FY 2005		FY 2006			FY 2007			
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost
SC004	SYS REPLACE & MODS (SRAM)		73,519	VAR	VAR	3,379	VAR	VAR	7,235	VAR	VAR	6,704
SC012	SHALLOW WATER TRAINING RANGE						VAR	VAR	13,917	VAR	VAR	19,164
SC041	TARGETS / SMART TARGETS			VAR	VAR	1,499	VAR	VAR	5,625			
SC105	THREAT PRESENTATION									VAR	VAR	8,368
SC142	FRP-EARLY WARNING/ACQUISITION RADAR			1	116.	116						
SC143	FRP-COASTAL THREAT SYSTEMS		12,890	1	6,445.	6,445						
SC144	FRP-REACTIVE TRES		7,331	8	7,478.	7,478						
SC145	FRP-RADAR EMISSION SIMULATING SET		2,029	5	2,305.	2,305	5	700.	3,500	5	720.	3,600
SC146	FRP-COMMUNICATION JAMMERS		1,083	1	1,263.	1,263						
SC148	FRP-NSFS SCORING SYSTEM (PORTABLE)		4,921				1	122.	122			
SC150	FRP-RANGE SCORING SYSTEM UPGRADES		461									
SC151	FRP-TARGETS		200	VAR	VAR	170	VAR	VAR	218	VAR	VAR	224
SC152	FRP-TRACKING SYSTEM UPGRADES		2,140	VAR	VAR	2,423						
SC154	FRP-SSRNM RANGE			1	520.	520						
SC156	JOINT THREAT EMITTER			1	2,262.	2,262						
SC157	MULTI-SPECTRAL THREAT EMITTER SYSTEM			1	2,375.	2,375						
SC158	TCTS - GROUND SUBSYSTEM		637	VAR	VAR	937	VAR	VAR	972	VAR	VAR	2,126
SC159	SCORE TARGETS / SMART TARGETS						VAR	VAR	1,350			
SC160	PMRF EQUIPMENT						VAR	VAR	10,000			
SC702	PMRF UPGRADES			VAR	VAR	1,219						
SC831	PRODUCTION ENGINEERING, OTHER					8,443			14,187			10,658
SC860	ACCEPTANCE TEST & EVALUATION					195			457			511
SC900	NON-FMP INSTALLATION					453			715			3,325
SC971	ILS, OTHER RANGES					1,383			1,158			1,546
SCVAR	VARIOUS		33,528									
			138,739			42,864			59,456			56,226

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2006			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT					420400, WEAPONS RANGE SUPPORT EQUIPMENT					43SC	
Cost Element/Fiscal Year	Qty	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	
SC004 SYS REPLACE & MODS (SRAM)											
2005	VAR	81	FISC, SEAL BEACH, CA	01/2005	VARIOUS	NAWCWD CODE J17000E, PT MUGU CA	04/2005	11/2005	YES	N/A	
2005	VAR	3,298	FISC, SEAL BEACH, CA	01/2005	VARIOUS	NSWC, CORONA CA	04/2005	11/2005	YES	N/A	
2006	VAR	7,235	FISC, SEAL BEACH, CA	01/2006	VARIOUS	VARIOUS	04/2006	11/2006	YES	N/A	
2007	VAR	6,704	FISC, SEAL BEACH, CA	01/2007	VARIOUS	VARIOUS	04/2007	08/2007	YES	N/A	
SC012 SHALLOW WATER TRAINING RANGE											
2006	VAR	13,917	VAR	01/2006	VARIOUS	VARIOUS	03/2006	09/2008	NO	01/2006	
2007	VAR	1,300	VAR	01/2007	VARIOUS	NUWC DET, NEWPORT RI	03/2007	09/2008	NO	01/2007	
2007	VAR	17,864	VAR	01/2007	VARIOUS	VARIOUS	03/2007	09/2009	NO	01/2007	
SC041 TARGETS / SMART TARGETS											
2005	VAR	1,499	FEDERAL SUPPLY CTR	02/2005	IPR	GSA FTC REGION 9, SAN DIEGO, CA	03/2005	09/2006	YES	N/A	
2006	VAR	5,625	NAWCAD, PATUXENT RIVER, MD	01/2006	C-FFP	LOCKHEED MARTIN SERVICES INC, CHERRY HILL, NJ	04/2006	04/2008	NO	01/2006	
SC105 THREAT PRESENTATION											
2007	VAR	200	NAWCWD, CHINA LAKE, CA	01/2007	VARIOUS	NAWCWD, CHINA LAKE CA	04/2007	04/2009	YES	N/A	
2007	VAR	8,168	VAR	01/2007	VARIOUS	VARIOUS	04/2007	04/2009	YES	N/A	
SC142 FRP-EARLY WARNING/ACQUISITION RADAR											
2005	1	116	VAR	03/2005	VARIOUS	NAVAIR, PATUXENT RIVER MD	04/2005	01/2006	YES	N/A	
SC143 FRP-COASTAL THREAT SYSTEMS											
2005	1	2,777	VAR	10/2004	VARIOUS	LOCKHEED MARTIN SERVICES INC, CHERRY HILL, NJ	01/2005	08/2006	YES	N/A	
2005	1	402	VAR	10/2004	VARIOUS	NAWCAD, PATUXENT RIVER MD	01/2005	08/2006	YES	N/A	
2005	1	245	VAR	10/2004	VARIOUS	NAWCWD, CHINA LAKE CA	01/2005	08/2006	YES	N/A	
SC144 FRP-REACTIVE TRES											
2005	8	3,739	VAR	10/2004	C-FFP	LOCKHEED MARTIN SERVICES INC, CHERRY HILL, NJ	01/2005	08/2006	YES	N/A	
SC145 FRP-RADAR EMISSION SIMULATING SET											
2005	5	2,305	NAWCAD, PATUXENT RIVER, MD	10/2004	C-FFP	UBC INC, TAMPA, FL	12/2004	10/2005	YES	N/A	
2006	5	3,500	NAWCAD, PATUXENT RIVER, MD	10/2005	WX	NAWCWD, POINT MUGU, CA	12/2005	01/2007	YES	N/A	
2007	5	3,600	NAWCAD, PATUXENT RIVER, MD	10/2006	WX	NAWCWD, POINT MUGU, CA	12/2006	01/2008	YES	N/A	
SC146 FRP-COMMUNICATION JAMMERS											
2005	1	1,263	NAWCAD, PATUXENT RIVER, MD	04/2005	VARIOUS	NAWCWD CODE J17000E, PT MUGU CA	06/2005	01/2007	YES	N/A	
SC148 FRP-NSFS SCORING SYSTEM (PORTABLE)											
2006	1	122	NSWC INDIAN HEAD, MD	02/2006	TBD	NSWC INDIAN HEAD DIV, INDIAN HD MD	03/2006	03/2008	YES	N/A	
SC151 FRP-TARGETS											
2005	VAR	170	VAR	06/2005	VARIOUS	VARIOUS	07/2005	08/2006	YES	N/A	
2006	VAR	218	VAR	10/2005	VARIOUS	VARIOUS	12/2005	09/2006	NO	10/2005	
2007	VAR	224	VAR	10/2006	VARIOUS	VARIOUS	12/2006	09/2007	NO	10/2006	
SC152 FRP-TRACKING SYSTEM UPGRADES											
2005	VAR	2,423	NAWCWD, CHINA LAKE, CA	10/2004	VARIOUS	TYBRIN Corporation, Ridgecrest, CA	01/2005	01/2006	YES	N/A	
SC154 FRP-SSRNM RANGE											
2005	1	520	VAR	10/2005	VARIOUS	NUWC KEYPORT DIV, KEYPORT WA	12/2005	12/2007	NO	10/2005	
SC156 JOINT THREAT EMITTER											
2005	1	142	NAWCWD, CHINA LAKE, CA	03/2005	VARIOUS	NAWCWD, CHINA LAKE CA	05/2005	05/2007	NO	09/2005	
2005	1	2,120	HILL AFB UTAH	03/2005	VARIOUS	NORTHROP GRUMMAN SYSTEMS CORPORATION, BALTIMORE, MD	05/2005	05/2007	NO	09/2005	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System			A. DATE February 2006		
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				SUBHEAD	
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT						420400, WEAPONS RANGE SUPPORT EQUIPMENT				43SC	
Cost Element/FiscalYear	Qty	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	
SC157 MULTI-SPECTRAL THREAT EMITTER SYSTEM											
2005	1	2,221	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	03/2005	VARIOUS	DRS EW & NETWORK SYSTEMS, INC., BUFFALO, NY	05/2005	05/2007	NO	03/2005	
2005	1	154	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	03/2005	VARIOUS	NAWCWD, CHINA LAKE CA	05/2005	05/2007	NO	03/2005	
2006	1	2,000	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	03/2005	VARIOUS	NAWCWD, CHINA LAKE CA	05/2005	05/2007	NO	03/2005	
SC158 TCTS - GROUND SUBSYSTEM											
2005	VAR	312	AAC/WMRA, EGLIN AFB, FL	11/2002	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	10/2004	07/2006	YES	N/A	
2006	VAR	972	AAC/WMRA, EGLIN AFB, FL	11/2002	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	10/2003	07/2004	YES	N/A	
2007	VAR	2,126	AAC/WMRA, EGLIN AFB, FL	11/2002	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	10/2003	07/2004	YES	N/A	
SC159 SCORE / SMART TARGETS											
2006	VAR	1,350.	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	03/2006	VARIOUS	VARIOUS	05/2006	11/2006	NO	N/A	
SC160 PMRF EQUIPMENT											
2006	VAR	6,000.	NUWC KEYPORT DIV, KEYPORT WA	03/2006	C-FFP	VARIOUS	03/2006	03/2007	NO	N/A	
2006	VAR	4,000.	NUWC KEYPORT DIV, KEYPORT WA	03/2006	WX	NUWC KEYPORT DIV, KEYPORT WA	02/2006	03/2007	NO	N/A	
SC702 PMRF UPGRADES											
2005	VAR	1,019	VAR	10/2004	VARIOUS	VARIOUS	06/2005	06/2006	YES	N/A	
2005	VAR	200	NAWCAD, PATUXENT RIVER, MD	03/2005	WX	NAWCAD, PATUXENT RIVER MD	04/2005	06/2006	YES	N/A	

REMARKS: SRAM, TARGETS, PMRF Equipment and PMRF Upgrades (Congressional Add) consist of a variety of projects each FY with award dates starting when funds are released.

BUDGET ITEM JUSTIFICATION SHEET							DATE: February 2006				
P-40											
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy/BA-3 Aviation Support Equipment							420800 Expeditionary Airfields				
Program Element for Code B Items:							Other Related Program Elements				
Not Applicable											
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	\$163.2		\$7.5	\$7.8	\$8.1	\$8.3	\$8.4	\$8.6	\$8.8	Continuing	Continuing
<p>EXPEDITIONARY AIRFIELDS (EAF)</p> <p>This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).</p> <p>This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.</p> <p>A total of twenty-eight (28) mobile arresting gear systems (2 refurbished Engineering Development Model (EDM)) systems and 26 Other Procurement, Navy (OPN) procured systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships which is an operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.</p> <p>The FY 2007 budget request provides for EAF Surfacing Products previously stated as service change kit procurements for AM-2. Budget provides for EAF Arresting Gear Products previously stated as service change kit procurements for M-31 Mobile Arresting Gear. Budget provides for EAF Lighting Products previously stated as, Minimum Operating Strip Lighting Systems (MOSLS), Minimum Operating Strip Lighting Kits (MOSKIT), Supplemental Airfield Lighting Kits (SALKIT) and Cable Kits (CABKIT). In addition to Production Engineering (PE) and Integrated Logistics Support (ILS) for EAF procurement products, Acceptance Test & Evaluation funding is provided.</p>											

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS										DATE:		
P-5										February 2006		
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy					420800 EXPEDITIONARY AIRFIELDS							
BA3 - Aviation Support Equipment												
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SE010	EAF Service Change Kits		17,661			902			7,395			7,666
	EAF Surfacing Equipment			26	9	242	478	9	4,302	499	9	4,494
	EAF Lighting Equipment		11,320	6	110	660	21	112	2,352	21	114	2,394
	EAF Arresting Gear Equipment						16	46	741	16	48	778
SE210	M-31 Mobile Arresting Gear		17,818	7	921	6,450						
	M-31 Mobile Arresting Gear Refurbishment for 2 EDM Units		835									
SE800	Integrated Logistics Support		4,238			37			152			148
SE830	Production Engineering		13,550			86			143			145
SE860	Acceptance Test & Evaluation Various 1/		97,824						66			105
			163,246			7,475			7,756			8,064

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CLASSIFICATION:

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2006			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE 420800 EXPEDITIONARY AIRFIELDS				SUBHEAD 43SE	
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	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY 2005										
Service Change Kits	26	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham UK	Nov-04	Apr-05	Yes	N/A
MOSLS - CABKIT	6	110	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-04	Nov-05	No	NA
M-31 Arresting Gear	7	921	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Feb-05	Nov-05	Yes	Apr-02
FY 2006										
Service Change Kits										
EAF Surfacing Equipment	478	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps - Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham UK	Nov-05	Apr-06	Yes	N/A
EAF Lighting Equipment	21	112	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-05	Nov-06	No	NA
EAF Arresting Gear Equip't	16	46	NAWCADLKE	Dec-97	Option-FFP	ESCO - Aston, PA	Nov-05	Nov-06	Yes	Apr-02
FY 2007										
Service Change Kits										
EAF Surfacing Equipment	499	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham UK	Nov-06	Apr-07	Yes	N/A
EAF Lighting Equipment	21	114	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-06	Nov-07	No	NA
EAF Arresting Gear Equip't	16	48	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-06	Nov-07	Yes	Apr-02
D. REMARKS										

BUDGET ITEM JUSTIFICATION SHEET										DATE:			
P-40										February 2006			
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE						
Other Procurement, Navy							BA 3 - AVIATION SUPPORT EQUIPMENT					421400, AIRCRAFT REARMING EQUIPMENT	
Program Element for Code B Items:							Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program		
Quantity													
Cost (\$M)	\$312.3		\$11.6	\$11.8	\$12.2	\$12.8	\$12.8	\$13.1	\$13.5	Cont	Cont		

DESCRIPTION:

This program funds the procurement of common Armament Support Equipment (ASE), and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.

This budget line supports: (a) initial outfitting for all in-production weapons systems; (b) procurement of new support equipment (SE), and (c) procurement of Armament Weapon Support Equipment (AWSE). These items support sustained operations, and surge deployments of the CV battle groups.

Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D Weapons Loader, the AERO- 74A Adapter, and the A/M32K-4A Munitions Trailer.

Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns. Examples of the equipment are the HLU-196D/E Bomb Hoist, the MHU-151/M Trailer, and the Next Generation Munitions Handler (shipboard).

This program funds the procurement of common Armament Support Equipment (ASE), and Weapons Support Equipment (WSE) under the procurement and inventory control of the Naval Inventory Control Point (NAVICP) and the Naval Air Systems Command.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a	DATE: February 2006
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APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 421400, AIRCRAFT REARMING EQUIPMENT
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Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
SH024 ADU-514A/E MISSILE ADAPTER											
Quantity		719									
Funding		1,393									
SH025 ADU-829/E ADAPTER											
Quantity		461									
Funding		537									
SH026 MHU-151/M TRAILER											
Quantity		294									
Funding		2,432									
SH027 A/S32K-1D CILOP											
Quantity		152	76	56	52						
Funding		7,601	3,789	2,799	2,614						
SH028 AERO-91B (ADU-566/E) ADAPTER											
Quantity		402	466	250							
Funding		261	304	165							
SH029 AERO-74A (ADU-876/E) ADAPTER											
Quantity		178	460	452	320						
Funding		1,265	3,462	3,040	2,132						
SH030 AERO-51B (MHU-227/M) TRAILER											
Quantity		1		150	75						
Funding		31		842	421						
SH031 MHU-191/M DRAWBAR ECP											
Quantity		1,520	2,400								
Funding		353	571								
SH033 LALS II LOADER											
Quantity		270			15						
Funding		27,000			1,800						

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a	DATE: February 2006
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APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 421400, AIRCRAFT REARMING EQUIPMENT
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Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
SH034 LALS II REPLENISHER											
Quantity				50	50						
Funding				814	814						
SH035 TTU-346/E VARIABLE TEST WEIGHT											
Quantity		97		6							
Funding		950		120							
SH036 A/M32K-4A MUN TRLR REPLACEMENT											
Quantity					2						
Funding					186						
SH037 NEXT GENERATION HANDLER (SHIP)											
Quantity											
Funding											
SH038 SHIPBOARD WEAPONS TRANSPORTER (SWT)											
Quantity											
Funding											
Other Costs		270,483	3,461	4,045	4,279						
Total P-1 Funding		312,306	11,587	11,825	12,246						

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System							DATE: February 2006							
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT								ID Code	P-1 ITEM NOMENCLATURE 421400, AIRCRAFT REARMING EQUIPMENT							
Cost Code	Element of Cost	ID Code	Dollars in Thousands													
			Prior Years	FY 2005			FY 2006			FY 2007						
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost				
SH024	ADU-514A/E MISSILE ADAPTER		1,393													
SH025	ADU-829/E ADAPTER		537													
SH026	MHU-151/M TRAILER		2,432													
SH027	A/S32K-1D CILOP		7,601	76	49.855	3,789	56	49.982	2,799	52	50.269	2,614				
SH028	AERO-91B (ADU-566/E) ADAPTER		261	466	.652	304	250	.66	165							
SH029	AERO-74A (ADU-876/E) ADAPTER		1,265	460	7.527	3,462	452	6.726	3,040	320	6.663	2,132				
SH030	AERO-51B (MHU-227/M) TRAILER		31				150	5.613	842	75	5.613	421				
SH031	MHU-191/M DRAWBAR ECP		353	2,400	.238	571										
SH033	LALS II LOADER		27,000							15	120.	1,800				
SH034	LALS II REPLENISHER						50	16.28	814	50	16.28	814				
SH035	TTU-346/E VARIABLE TEST WEIGHT		950				6	20.	120							
SH036	A/M32K-4A MUN TRLR REPLACEMENT									2	93.	186				
SH037	NEXT GENERATION HANDLER (SHIP)															
SH038	SHIPBOARD WEAPONS TRANSPORTER (SWT)															
SH830	PRODUCTION ENGINEERING		32,349			1,855			1,868			1,733				
SH860	ACCEPTANCE TEST AND EVALUATION		5,687			430			464			480				
SH890	OTHER		232,447			1,176			1,713			2,066				
			312,306			11,587			11,825			12,246				

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)							Weapon System		A. DATE February 2006		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD		
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT					421400, AIRCRAFT REARMING EQUIPMENT				43SH		
Cost Element/FiscalYear	Qty	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	
SH027 A/S32K-1D CILOP											
2005	76	49.855	NAWCADLKE	N/A	C-FFP	SEFAC SOLOMONS, SOLOMONS, MD	12/2004	06/2005			
2006	56	49.982	NAWCADLKE	N/A	C-FFP	SEFAC SOLOMONS, SOLOMONS, MD	01/2006	06/2006			
2007	52	50.269	NAWCADLKE	N/A	C-FFP	TBD	12/2006	05/2007			
SH028 AERO-91B (ADU-566/E) ADAPTER											
2005	466	.652	NAWCADLKE	N/A	C-FFP	D E TECHNOLOGIES, INC, KING OF PRUSSIA, PA	12/2004	05/2005			
2006	250	.66	NAWCADLKE	N/A	C-FFP	D E TECHNOLOGIES, INC, KING OF PRUSSIA, PA	01/2006	06/2006			
SH029 AERO-74A (ADU-876/E) ADAPTER											
2005	460	7.527	NAWCADLKE	11/2004	C-FFP	D E TECHNOLOGIES, INC, KING OF PRUSSIA, PA	01/2006	07/2006			
2006	452	6.726	NAWCADLKE	N/A	C-FFP	D E TECHNOLOGIES, INC, KING OF PRUSSIA, PA	02/2006	08/2006			
2007	320	6.663	NAWCADLKE	N/A	C-FFP	TBD	12/2006	06/2007			
SH030 AERO-51B (MHU-227/M) TRAILER											
2006	150	5.613	NAWCADLKE	N/A	C-FFP	WASP INC, GLENWOOD, MN	03/2006	12/2006			
2007	75	5.613	NAWCADLKE	N/A	C-FFP	TBD	12/2006	07/2007			
SH031 MHU-191/M DRAWBAR ECP											
2005	2400	.238	NAWCADLKE	N/A	C-FFP	COMPUTA-BASE MACHINING, INC, BERLIN, NJ	12/2004	06/2005			
SH033 LALS II LOADER											
2007	15	120.	NAWCADLKE	06/2006	C-FFP	TBD	03/2007	03/2008			
SH034 LALS II REPLENISHER											
2006	50	16.28	NAWCADLKE	10/2005	C-FFP	TBD	03/2006	03/2007			
2007	50	16.28	NAWCADLKE	N/A	C-FFP	TBD	03/2007	09/2007			
SH035 TTU-346/E VARIABLE TEST WEIGHT											
2006	6	20.	NAWCADLK	11/2005	C-FFP	TBD	03/2006	09/2006			
SH036 A/M32K-4A MUN TRLR REPLACEMENT											
2007	2	93.	NAWCADLK	06/2006	C-FFP	TBD	03/2007	03/2008			

REMARKS:

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE 4216 AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)-43SJ					
Program Element for Code B Items: 0204261N, 0204112N, and 0204161N						Other Related Program Elements 0603512N , 0604512N					
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY											
COST (In Millions)	\$707.2		\$21.1	\$23.6	\$29.8	\$37.2	\$42.6	\$130.6	\$114.5	CONTINUING	CONTINUING
<p>This program provides for procurement of major aircraft Launch, Recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:</p> <ol style="list-style-type: none"> (1) urgent fleet problems associated with the safe and reliable operation of existing equipment; (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and; (3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety. <p>Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.</p> <p>The FY 2007 budget request consists of Aircraft Carrier (Launcher, Arresting Gear and Visual Landing Aids) and Air Capable Ships (Helicopter Landing System) service change procurements (various quantities). Also included is equipment funding for Moriah Wind System (MWS - five systems) and Advanced Recovery Control (ARC - ten systems) and their affiliated production support, as well as FMP and Non-FMP installations of various equipment and modifications purchased in FY 2007 or prior years.</p>											

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5										DATE: February 2006		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE/SUBHEAD AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS									
			Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	<u>Service Change Kits</u>	A	20,217			2,343			991			4,581
	LAUNCHER											
	Catapults - CVN					569			250			1,012
	VISUAL LANDING AIDS											
	Visual Landing Aids - CVN					950			390			1,461
	Visual Landing Aids - ACS					260						827
	RECOVERY											
	Arresting Gear - CVN					264			351			525
	Helicopter Landing System (HLS) - ACS					300						756
SJ260	MWS - CVN	A	822	2	290	579	2	481	962	3	485	1,455
SJ261	MWS - L Class	A	482				2	374	748	2	202	403
SJ262	MWS - Shorebased	A	225									
SJ263	MWS-ACS	A										
SJ270	VISUAL - CVN	A	2,435	3	700	2,100	5	452	2,260			
SJ271	VISUAL - Shorebased	A	550				2	376	752			
SJ280	ARC CVN	B		5	567	2,835	5	567	2,835	10	572	5,715
SJ281	ARC Shorebased	B					1	795	795			
SJ290	Auto Cross Check System	A	1,383									
SJ300	AAG - CVN	B										
SJ301	AAG-SHOREBASED	B										
SJ302	ADMACS/AWIMS	B										
SJ800	Integrated Logistics Support		2,001			1,119			1,284			1,463
SJ830	Production Engineering		7,036			2,899			2,955			3,179
SJ860	Acceptance, Test & Evaluation		105									30
SJ900	Installation - NFMP		12,273			2,866			2,828			3,328
SJ910	Installation - FMP		14,887			6,389			7,232			9,663
N/A	Various 1/		644,739									
			707,155			21,130			23,642			29,817

VISUAL: Virtual Imaging System for Approach and Landing

CLASSIFICATION:

UNCLASSIFIED

1/ The amount identified reflects total prior year funding associated with equipment projects no longer financed in FY2005 and beyond.

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2006		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE Aircraft Launch and Recovery Equipment (ALRE)				SUBHEAD 43SJ	
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	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY 2005										
SJ260 MWS - CVN	2	289.5	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc L-3 Communications	08/05	02/06	No	N/A
SJ270 VISUAL-CVN	3	700	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA	04/05	03/06	No	N/A
SJ280 ARC - CVN	5	567	NAWCAD LKEHRST	Not Applicable	FPI	Notrhrop Grumman Sykesville, MD	12/05	10/06	No	N/A
FY 2006										
SJ260 MWS - CVN	2	481	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA	11/05	06/06	No	N/A
SJ261 MWS - L Class	2	374	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA	11/05	06/06	No	N/A
SJ270 VISUAL-CVN	5	452	NAWCAD LKEHRST	Not Applicable	FFP	L-3 Communications Alpharetta, GA	11/05	11/06	No	N/A
SJ271 VISUAL-SHORE	2	376	NAWCAD LKEHRST	Not Applicable	FFP	L-3 Communications Alpharetta, GA	11/05	11/06	No	N/A
SJ280 ARC - CVN	5	567	NAWCAD LKEHRST	Not Applicable	FPI	Notrhrop Grumman Sykesville, MD	12/05	12/07	No	N/A
SJ281 ARC SHOREBASE	1	795	NAWCAD LKEHRST	Not Applicable	FPI	Notrhrop Grumman Skyesville, MD	12/05	10/06	No	N/A
FY2007										
SJ260 MWS - CVN	3	485	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA	12/06	06/07	No	N/A
SJ261 MWS - L Class	2	202	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA	12/06	06/07	No	N/A
SJ280 ARC - CVN	10	572	NAWCAD LKEHRST	Not Applicable	FPI	Notrhrop Grumman Sykesville, MD	11/06	8/07	No	N/A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Mk7 Mod 2,3,4 TYPE MODIFICATION: Increase Capability/Safety MODIFICATION TITLE: Aircraft Recovery Control - CVN SJ280

DESCRIPTION/JUSTIFICATION:
 The ARC program, previously planned as Mark 7 S/C 439, has been determined to be an ACAT-IVM program. Therefore, after ECP approval through NAVSEA this effort becomes a Ship Alteration and will be installed using FMP funding. This new Aircraft Recovery Control System will restore margins of safety to the MK7 Arresting Gear System. The new system will also reduce system life cycle cost by reducing maintenance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone C Dec-2005

	Prior Years		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																				
<i>RDT&E</i>																				
<i>PROCUREMENT</i>																				
INSTALLATION KITS			5	2.835	5	2.835	10	5.715	10	5.720	10	5.726	11	5.731	7	5.710			58	34.272
INSTALLATION KITS - UNIT COST						0.567		0.572		0.572		0.573		0.521		0.816				
INSTALLATION KITS NONRECURRING																				
EQUIPMENT																				
EQUIPMENT NONRECURRING																				
ENGINEERING CHANGE ORDERS																				
DATA																				
TRAINING EQUIPMENT																				
SUPPORT EQUIPMENT																				
ILS		0.060				0.165		0.166		0.171		0.355		0.377		0.435				1.729
PE		0.188				0.174		0.175		0.185		0.394		0.416		0.475				2.007
ATE																				
INTERIM CONTRACTOR SUPPORT																				
INSTALL COST							10	2.715	10	2.690	10	2.533	10	2.752	11	2.687	7	2.950	58	16.327
TOTAL PROCUREMENT		0.248	5	2.835	5	3.174	20	8.771	20	8.766	20	9.008	21	9.276	18	9.307	7	2.950		54.335

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: LSO HUD TYPE MODIFICATION: Obsolescence/Safety MODIFICATION TITLE: VISUAL LSO WORKSTATION CVN SJ270

DESCRIPTION/JUSTIFICATION:
 SHIPALT - 9397K.
 The Virtual Imaging System for Approach and Landing (VISUAL) Landing Signal Officer (LSO) Workstation will replace stand alone, aging systems/components currently found in the LSO workstation. This is a modified Non-Developmental Item (NDI) procurement. The total inventory objective is 10 systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone C June-2004

	Prior Years		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
RDT&E		29.081																			
PROCUREMENT																					
INSTALLATION KITS	3	1.100	3	1.297	5	2.260													11	4.657	
INSTALLATION KITS - UNIT COST		0.367		0.432		0.452															0.423
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS		1.335		0.803																	2.138
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.755		0.224		0.293		0.245													1.517
PE		0.632		0.294		0.532		0.320													1.778
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST		0.388	2	1.286	3	2.140	2	1.523	3	2.194									10	7.531	
TOTAL PROCUREMENT		4.210		3.904		5.225		2.088		2.194											17.621

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: **VISUAL LSO WORKSTATION** MODIFICATION TITLE: **VISUAL LSO WORKSTATION** CVN **SJ270**

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: _____

ADMINISTRATIVE LEADTIME: 2 months PRODUCTION LEADTIME: 10 months

CONTRACT DATES: FY 2005: Nov-04 FY 2006: Nov-05 FY 2007: Nov-06

DELIVERY DATE: FY 2005: Nov-05 FY 2006: Nov-06 FY 2007: Nov-07

(\$ in Millions)

Cost:	Prior Years		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT		0.238		0.246		0.316		0.307		0.694											1.801
PRIOR YEARS			2	0.858																	2 0.858
FY 2005 EQUIPMENT			AP	0.182	3	1.500															3 1.682
FY 2006 EQUIPMENT	AP	0.150			AP	0.324	2	1.000													1.474
FY 2007 EQUIPMENT							AP	0.216	3	1.500											3 1.716
FY 2008 EQUIPMENT																					
FY 2009 EQUIPMENT																					
FY 2010 EQUIPMENT																					
FY 2011 EQUIPMENT																					
TO COMPLETE																					
INSTALL COST	0	0.388	2	1.286	3	2.140	2	1.523	3	2.194											10 7.531

INSTALLATION SCHEDULE:

	FY 2004 & Prior	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				FY 2010				FY 2011				TC	TOTAL
		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	3	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10
Out	0	0	0	2	0	0	0	3	0	0	0	2	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10

Note: AP is advanced planning for installation.

P-3A

CLASSIFICATION

BUDGET ITEM JUSTIFICATION SHEET						DATE				
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 4226			SUBHEAD 53SP	
	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	TO COMP	TOTAL	
QUANTITY										
COST (in millions)	\$20.0	\$22.5	\$14.9	\$19.2	\$23.4	\$26.3	\$26.9	Cont	Cont	

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations and all Navy ships and other activities required to provide weather observations and provide safety of flight capabilities. The procurement has been thoroughly coordinated with the other DOD and civilian agencies. Equipment is funded under the following programs:

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement. Specifically, in the remote sensing efforts, integration of next generation of Polar Orbiting Satellite families and new sensors of opportunity are incorporated in design and software development into existing systems.

The Tactical Environmental Support System (TESS) Upgrade - Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities. TESS Upgrades include Afloat, Ashore and Mobile variants.

Fleet Marine Force (FMF) Meteorological Equipment - Meteorological Equipment required to maintain, upgrade, and replace the Meteorological Mobile Facilities Replacement (METMF (R) to a fully integrated, next generation system capable of automatic data acquisition from communications channels providing METOC data, meteorological satellite, meteorological Doppler radar, and local and remote meteorological sensors. The METMF (R) is equipped to enhance Marine Air-Ground Task Force (MAGTF) operational capability world wide.

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, procured for safety of flight equipment, such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), Supplemental Weather Radar (SWR) and Mini-Rawin System (MRS) installed at all Navy and Marine Corps Air facilities worldwide. The Aviation Safety System Upgrades project will provide required system upgrades developed by the lead agency (in most cases, the National Weather Service). These periodic GOTS/COTS upgrades are essential to the continued support of this capability.

Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.

**UNCLASSIFIED
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COST ANALYSIS													February 2005		
APPROPRIATION ACTIVITY										SUBHEAD					
OP,N - BA3 AVIATION SUPPORT EQUIPMENT										53SP					
COST CODE	ELEMENT OF COST	ID CODE	PY	FY 2004			FY 2005			FY 2006			FY 2007		
			TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SP051	Satellite Receiver Upgrades (Space)	A					VAR		1,860	VAR		2,121	VAR		882
SP190	TESS Upgrades	A					VAR		11,669	VAR		12,096	VAR		5,951
SP300	Met Equipment (METMF(R))	A					VAR		2,173	VAR		2,519	VAR		2,373
		Met Equipment (METMF(R)) Upgrades	A												
SP550	Aviation Safety System Upgrades	A					VAR		1,706	VAR		3,064	VAR		2,205
SP555	Production Support	A							228			108			
SP777	Installation								2,360			2,578			3,494
	Non-FMP								683			1,154			1,820
	FMP								1,677			1,424			1,674
	FMP DSA								1,452 225			1,424			1,674
TOTAL CONTROL									19,996			22,486			14,905

Remarks: "Various" quantities represent system and subsystem upgrades of various hardware/software configurations that are dependent upon the type of site or platform.

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP)
 COST CODE: SP051
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

February 2006

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities to receive and reprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement. Specifically, in the remote sensing efforts, integration of next generation of polar Orbiting Satellite families and new sensors of opportunity are incorporated in design and software development into existing systems.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
 FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10		FY 11		TC		Total				
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$			
RD&E																							
PROCUREMENT:																							
Kit Quantity																							
Installation Kits																							
Installation Kits Nonrecurring																							
Equipment	VAR		VAR	0.9	VAR	1.2							VAR	0.2	VAR	0.2			CONT		CONT		
Equipment Nonrecurring																							
Engineering Change Orders																							
Data																							
Training Equipment																							
Production Support				0.1		0.1																	
DSA																							
Interim Contractor Support																							
Installation of Hardware	84		12	0.3	12	0.3	13	0.4	13	0.3	11	0.2	10	0.2	10	0.2			CONT	CONT	84	CONT	
PRIOR YR EQUIP	84																						
FY 00 EQUIP																							
FY 01 EQUIP																							
FY 02 EQUIP																							
FY 03 EQUIP																							
FY 04 EQUIP																							
FY 05 EQUIP			12	0.3																		12	0.3
FY 06 EQUIP					12	0.3																12	0.3
FY 07 EQUIP							13	0.4														13	0.4
FY 08 EQUIP									13	0.3												13	0.3
FY 09 EQUIP										11	0.2											11	0.2
FY 10 EQUIP												10	0.2									10	0.2
FY 11 EQUIP														10	0.2							10	0.2
FY TC EQUIP																							
TOTAL INSTALLATION COST				0.3		0.3		0.4		0.3		0.2		0.2		0.2				CONT		CONT	CONT
TOTAL PROCUREMENT COST				1.3		1.6		0.4		0.3		0.2		0.4		0.5				CONT		CONT	CONT

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 10 months

CONTRACT DATES: FY 2004: Nov-03 FY 2005: Nov-04 FY 2006: Nov-05 FY 2007: Nov-06
 DELIVERY DATES: FY 2004: Aug-04 FY 2005: Aug-05 FY 2006: Aug-06 FY 2007: Aug-07

INSTALLATION SCHEDULE:	PY	FY 06				FY 07				FY 08			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	96	3	3	3	3	3	3	3	4	3	3	3	4
OUTPUT	96	3	3	3	3	3	3	3	4	3	3	3	4

INSTALLATION SCHEDULE:	FY 09				FY 10				FY 11				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	3	3	3	2	3	3	2	2	3	3	2	2	CONT	CONT
OUTPUT	3	3	3	2	3	3	2	2	3	3	2	2	CONT	CONT

Notes/Comments:

*Install quantities beginning in FY05 are based on CNO Availability.

*FY05-11 No DSA required (FC not Ship Alt)

*Accelerated FCIII Procurements - Complete buy in FY06, H/W install will occur in FY07-09 due to CNO Availis, FY10-out installs are S/W upgrades

Unclassified
 Classification

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE)
 COST CODE: SP051

February 2006

MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities to receive and reprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement. Specifically, in the remote sensing efforts, integration of next generation of Polar Orbiting Satellite families and new sensors of opportunity are incorporated in design and software development into existing system.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
 FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10		FY 11		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT:																					
Kit Quantity																					
Installation Kits																					
Installation Kits Nonrecurring																					
Equipment	VAR		VAR	0.9	VAR	0.9	VAR	0.9	VAR	0.9	VAR	1.2	VAR	1.1	VAR	1.1	CONT				CONT
Equipment Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Production Support				0.1		0.1															
Shore Pre-Installation Design																					
Interim Contractor Support																					
Installation of Hardware	69		16	0.5	16	0.5	20	0.4	20	0.4	20	0.4	20	0.4	18	0.4	CONT	CONT			CONT
PRIOR YR EQUIP	69																				69
FY 00 EQUIP																					
FY 01 EQUIP																					
FY 02 EQUIP																					
FY 03 EQUIP																					
FY 04 EQUIP			5	0.1																	5
FY 05 EQUIP			11	0.3	5	0.1															16
FY 06 EQUIP					11	0.3															16
FY 07 EQUIP							5	0.1													20
FY 08 EQUIP							15	0.3													20
FY 09 EQUIP									5	0.1											20
FY 10 EQUIP									15	0.3			5	0.1							20
FY 11 EQUIP													15	0.3							20
FY TC EQUIP															13	0.3					13
TOTAL INSTALLATION COST				0.5		0.5		0.4		0.4		0.4		0.4		0.4			CONT		CONT
TOTAL PROCUREMENT COST				1.5		1.4		1.3		1.305		1.6		1.5		1.5			CONT		CONT

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 1 month

PRODUCTION LEADTIME:

SMQ-11 = 10 months
 FMQ-17 = 3 months

CONTRACT DATES:	FY 2004:	Nov-03	FY 2005:	Nov-04	FY 2006:	Nov-05	FY 2007:	Nov-06				
DELIVERY DATES:	FY 2004:	Aug-04 Feb-04	SMQ-11 FMQ-17	FY 2005:	Aug-05 Feb-05	SMQ-11 FMQ-17	FY 2006:	Aug-06 Feb-06	SMQ-11 FMQ-17	FY 2007:	Aug-07 Feb-07	SMQ-11 FMQ-17

INSTALLATION SCHEDULE:	PY	FY 06				FY 07				FY 08			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	85	4	4	4	4	5	5	5	5	5	5	5	5
OUTPUT	85	4	4	4	4	5	5	5	5	5	5	5	5

INSTALLATION SCHEDULE:	FY 09				FY 10				FY 11				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	5	5	5	5	5	5	5	5	4	5	4	5	CONT	CONT
OUTPUT	5	5	5	5	5	5	5	5	4	5	4	5	CONT	CONT

Notes/Comments:

Install quantities have increased due to an increase in requirement for reach back capability.
 FY09-11 Procurement includes H/W refresh for LRD

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP)
 COST CODE: SP190

February 2006

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: The Tactical Environmental Support System (TESS) Upgrade procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities. TESS Upgrades include Afloat, Ashore and Mobile variants.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10		FY 11		TC	Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		Qty	\$	
RDT&E																				
PROCUREMENT:																				
Kit Quantity																				
Installation Kits																				
Installation Kits Nonrecurring																				
Equipment	43		VAR	9.3	VAR	4.2	VAR	0.7	VAR	2.6	VAR	2.6	VAR	3.5	VAR	3.6	CONT		CONT	
Equipment Nonrecurring																				
Engineering Change Orders																				
Data																				
Training Equipment																				
Production Support				0.1																
DSA				0.2																
Interim Contractor Support																				
Installation of Hardware	42		VAR	1.1	VAR	1.1	VAR	1.2	VAR	1.2	VAR	1.3	VAR	0.8	VAR	0.8	CONT		CONT	
PRIOR YR EQUIP	42																			
FY 00 EQUIP																				
FY 01 EQUIP																				
FY 02 EQUIP																				
FY 03 EQUIP																				
FY 04 EQUIP																				
FY 05 EQUIP			VAR	1.1																1.1
FY 06 EQUIP					VAR	1.1														1.1
FY 07 EQUIP							VAR	1.2												1.2
FY 08 EQUIP									VAR	1.2										1.2
FY 09 EQUIP											VAR	1.3								
FY 10 EQUIP													VAR	0.8						
FY 11 EQUIP															VAR	0.8				
FY TC EQUIP																				
TOTAL INSTALLATION COST				1.4		1.1		1.2		1.2		1.3		0.8		0.8				CONT
TOTAL PROCUREMENT COST				10.8		5.3		2.0		3.8		3.9		4.3		4.4				CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 2 months

CONTRACT DATES: FY 2004: Nov-03 FY 2005: Nov-04 FY 2006: Nov-05 FY 2007: Nov-06

DELIVERY DATES: FY 2004: Jan-04 - Sep-04 FY 2005: Jan-05 - Sep-05 FY 2006: Jan-06 - Sep-06 FY 2007: Jan-07 - Sep-07

INSTALLATION SCHEDULE:	PY	FY 06				FY 07				FY 08			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	48												
OUTPUT	45												

INSTALLATION SCHEDULE:	1	2	FY 09		FY 10		FY 11		TC	TOTAL
			3	4	1	2	3	4		
INPUT									CONT	CONT
OUTPUT									CONT	CONT

Notes/Comments: Equipment is procured to meet installation availability windows. Quantity changed to Various to better define installations. FY06 and out reflect engineering changes, field changes and mail-outs to support 28 ships, 36 shore sites and 103 mobile units. Installation increases FY06 and out reflect new costs for Installation Management Office (IMO) and shipyard fees; installations were previously exempt from IMO process.

Unclassified

Classification

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE)
 COST CODE: SP190

February 2005

MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: The Tactical Environmental Support System (TESS) Upgrade procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities. TESS Upgrades include Afloat, Ashore and Mobile variants.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:
 FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 05		FY 06		FY 07		FY 08		FY 09		FY 10		FY 11		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																					
PROCUREMENT:																					
Kit Quantity																					
Installation Kits																					
Installation Kits Nonrecurring																					
Equipment	37		VAR	2.3	VAR	7.9	VAR	5.2	VAR	6.2	VAR	8.6	VAR	10.5	VAR	10.8	CONT				CONT
Equipment Nonrecurring																					
Engineering Change Orders																					
Data																					
Training Equipment																					
Production Support																					
Shore Pre-Installation Design							0.3		0.3		0.3		0.4		0.4						
Interim Contractor Support																					
Installation of Hardware	37		VAR	0.2	VAR	0.7	VAR	1.2	VAR	1.1	VAR	1.2	VAR	1.5	VAR	1.6	CONT	CONT			CONT
PRIOR YR EQUIP	37																				
FY 00 EQUIP																					
FY 01 EQUIP																					
FY 02 EQUIP																					
FY 03 EQUIP																					
FY 04 EQUIP																					
FY 05 EQUIP			VAR	0.2																	0.2
FY 06 EQUIP					VAR	0.7															0.7
FY 07 EQUIP							VAR	1.4													1.4
FY 08 EQUIP									VAR	1.3											1.3
FY 09 EQUIP											VAR	1.5									1.5
FY 10 EQUIP												VAR	1.9								
FY 11 EQUIP													VAR	1.9							
FY TC EQUIP																	CONT				
TOTAL INSTALLATION COST				0.2		0.7		1.4		1.3		1.5		1.9		1.9			CONT		CONT
TOTAL PROCUREMENT COST				2.6		8.6		6.7		7.5		10.1		12.4		12.8			CONT		CONT

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 2 months

CONTRACT DATES: FY 2004: Nov-03 FY 2005: Nov-04 FY 2006: Nov-05 FY 2007: Nov-06

DELIVERY DATES: FY 2004: Jan-04 FY 2005: Jan-05 FY 2006: Jan-06 FY 2007: Jan-07

INSTALLATION SCHEDULE:

PY	FY 06				FY 07				FY 08			
	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	41											
OUTPUT	41											

INSTALLATION SCHEDULE:

	FY 09				FY 10				FY 11				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT													CONT	CONT
OUTPUT													CONT	CONT

Notes/Comments: Quantity changed to Various to better define installations. FY06 and out reflect engineering changes, field changes and mail-outs to support 28 ships, 36 shore sites and 103 mobile units.

Unclassified
 Classification

BUDGET ITEM JUSTIFICATION SHEET

DATE:

P-40

February 2006

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

Other Procurement, Navy

BA 3 - AVIATION SUPPORT EQUIPMENT

424200, OTHER PHOTOGRAPHIC EQUIPMENT

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$80.8	A	\$1.4	\$1.4	\$1.5	\$1.5	\$1.6	\$1.6	\$1.6	Cont	Cont

DESCRIPTION: OTHER PHOTOGRAPHIC EQUIPMENT The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). As such, there are two systems supported by the OPE OPN funding line.

First, the Digital Camera Receive Station (DCRS) is a combat system located in the Carrier Intelligence Center (CVIC) that processes classified Bomb Hit Assessment (BHA) and target imagery. DCRS has requirements to support near real-time over-the-horizon imagery transfer, as well as post-mission playback of imagery obtained from aircraft sensors. DCRS currently is a two rack system with a PC workstation for video editing and playback, media receptacles for aircraft data transfer devices, a laser printer, and communications equipment to support Fast Tactical Imagery (FTI). Equipment and software are updated through field change installations scheduled periodically every three years for each CV/CVN.

Second, the Digital Photo Lab (DPL) is an unclassified system that processes visual information for incidents and accidents at sea, shipboard investigations, medical records, combat camera, safety, training, and Public Affairs Office (PAO) functions. The DPL produces visual information documentation of real world events (e.g. drug interdiction programs, humanitarian relief efforts, shipboard and flight operations) that is eventually viewed by CNO, SECNAV, JCS, National Military Command Center and the White House. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at all levels. DPL Phase I equipment installations are complete. In accordance with requirements set forth in CINCLANT MSG DTG 051820Z Apr 00, the current supported DPL configuration is versioned as V2X (DPL Phase II) and consists of the following components: two hardmounted racks for PC workstations and media receptacles; a rack for two scanners and two photo quality printers; a separate large format printer; a separate high speed laser printer; and a photo LAN that networks all of these components. The DPL also provides two high quality digital cameras to the ship. Equipment and software are updated through field change installations scheduled periodically every three years for each CV/CVN.

Through the FYDP, OPE program will continue to update the shipboard imagery equipment with digital imagery technology for both DCRS and DPL.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a	DATE: February 2006
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APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 424200, OTHER PHOTOGRAPHIC EQUIPMENT
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Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
SX020 DIGITAL PHOTO LAB WORKCENTER											
Quantity	A	46	3	3	3						
Funding		6,446	427	444	463						
SX021 DIGITAL SLR* COLOR CAMERA											
Quantity	A	87	10	10	10						
Funding		2,322	50	50	50						
SX100 DIGITAL CAMERA RECEIVING STATION											
Quantity	A	39	3	3	3						
Funding		6,404	416	442	456						
Other Costs		65,663	536	479	490						
Total P-1 Funding**		80,835	1,429	1,415	1,459						

* Single Lens Reflex (SLR)

**Includes quantities to meet inventory objective plus losses.

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System					DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY\ BA 3 AVIATION SUPPORT EQUIPMENT					ID Code A	P-1 ITEM NOMENCLATURE 424200, OTHER PHOTOGRAPHIC EQUIPMENT						
Cost Code	Element of Cost	ID Code	Dollars in Thousands									
			Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost
SX008	PHOTO EQ UNDER 100K	A	319									
SX019	DIGITAL COLOR PRINTER	A	268									
SX020	DIGITAL PHOTO LAB WORKCENTER	A	6,446	3	142	427	3	148	444	3	154	463
SX021	DIGITAL SINGLE LENS REFLEX (SLR) COLOR CAMERA	A	2,322	10	5	50	10	5	50	10	5	50
SX050	MISC SMALL EQUIP AND ECPS	A	114									
SX100	DIGITAL CAMERA RECEIVING STATION	A	6,404	3	139	416	3	147	442	3	152	456
SX830	PRODUCTION ENGR & ILS		808									
SX900	NON-FMP INSTALLATION		5,712			536			479			490
	VARIOUS OTHER COSTS, FY97 & PRIOR											
	OTHER PHOTOGRAPHIC EQUIPMENT		58,442									
			80,835			1,429			1,415			1,459

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				SUBHEAD	
OTHER PROCUREMENT, NAVY			BA 3 - AVIATION SUPPORT EQUIPMENT			424200, OTHER PHOTOGRAPHIC EQUIPMENT				J3SX	
Cost Element/FiscalYear	Qty	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	
SX020 DIGITAL PHOTO LAB WORKCENTER											
FY2005	3	142	SPAWAR DET., PHIL	04/2005	C-FP	VARIOUS*	06/2005	09/2005	YES		
FY2006	3	148	SPAWAR DET., PHIL	04/2006	C-FP	VARIOUS*	06/2006	09/2006	YES		
FY2007	3	154	SPAWAR DET., PHIL	04/2007	C-FP	VARIOUS*	06/2007	09/2007	YES		
SX021 DIGITAL SLR COLOR CAMERA											
FY2005	10	5	SPAWAR DET., PHIL	04/2005	C-FP	NIKON	06/2005	09/2005	YES		
FY2006	10	5	SPAWAR DET., PHIL	04/2006	C-FP	NIKON	06/2006	09/2006	YES		
FY2007	10	5	SPAWAR DET., PHIL	04/2007	C-FP	NIKON	06/2007	09/2007	YES		
SX100 DIGITAL CAMERA RECEIVING STATION											
FY2005	3	139	SPAWAR DET., PHIL	04/2005	C-FP	VARIOUS*	06/2005	09/2005	YES		
FY2006	3	147	SPAWAR DET., PHIL	04/2006	C-FP	VARIOUS*	06/2006	09/2006	YES		
FY2007	3	152	SPAWAR DET., PHIL	04/2007	C-FP	VARIOUS*	06/2007	09/2007	YES		

REMARKS:
 Note: * Various - Several contractors deal with the Digital Camera Receiving Station to the various parts of the station. The contractors are Lockheed Martin, Signal Solutions, Northop Grumman, Adobe and Microsoft, KIS and MIDI and AVID.

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT							424400, AVIATION LIFE SUPPORT				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$299.0	A/B	\$31.9	\$34.4	\$18.6	\$25.2	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

This account provides for the acquisition, upgrade, and production support of aviation life support systems required for the personal safety and protection of aircrew against the hazards encountered in the aircraft operating environment and for safe recovery of downed aircrew.

NEW SURVIVAL RADIO - SY030

- Non-developmental acquisition to replace the PRC-90 and PRC-90-2 with a state of the art survival radio. This will be a non-combat radio to complement the PRQ-7 (Combat Survivor Evader Locator (CSEL) radio. Historically, the Navy has used the PRC-90 to complement the PRC-112, which the PRQ-7 will replace. Major off the shelf technology insertion will be the addition of Cosmicheskaya Sistema Poiska Avarynyich (COSPAS) Search and Rescue Satellite Aided Tracking (SARSAT) 460 MHZ capability. The location of downed aircrew will now be known within 100 meters and 20 minutes of radio beacon activation thereby greatly reducing time to recover downed aircrew and increasing their probability of safe recovery. This purchase also includes a beacon which replaces the antiquated URT-33 ejection seat beacon used to signal when an aircrew has ejected from the aircraft and an adapter which, replaces the PRC-125, satisfying the peculiar mission of the in water rescue swimmer. This buy consists of three components: the AN/PRC-149 Radio, AN/URT-140 Radio Beacon, and the Swimmers Control Unit.

COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060

- The CSEL Radio system provides U.S. combat forces with secure, encrypted, low probability of exploitation, two-way, over the horizon, near real time databurst communications with integral precise geopositioning; and non-secure, unencrypted line-of-site voice and beacon capability to support survival, evasion, and personnel recovery operations. This is a joint Program with the Air Force as lead. The User segment of the CSEL system is composed of a battery operated hand held radio (HHR) (AN/PRQ-7), a radio set adapter (RSA) (J-6431/PRQ-7), a GPS antenna and coupler, and a laptop CPU with software for loading the HHR (CSEL Planning Computer (CPC)). The HHR will weigh less than 32 ounces and is of comparable size to other portable SATCOM radios (8x3.5x1.75"). CSEL will require a key fill device and will have improved jam and spoofing resistance by incorporating the next-generation Selective Availability Anti-Spoofing Module (SAASM) GPS module. The HHR requires the "CSEL infrastructure" to be installed and operational, including the Ground segment's Joint Search and Rescue Center (JSRC) workstation/software and the Over-The-Horizon (OTH) segment's UHF Base Station (UBS), but can work autonomously in the line-of-sight voice or beacon modes.

BUDGET ITEM JUSTIFICATION SHEET										DATE:			
P-40										February 2006			
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE						
Other Procurement, Navy							BA 3 - AVIATION SUPPORT EQUIPMENT					424400, AVIATION LIFE SUPPORT	
Program Element for Code B Items:							Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program		
Quantity													
Cost (\$M)	\$299.0	A/B	\$31.9	\$34.4	\$18.6	\$25.2	\$23.0	\$23.6	\$24.2	Cont	Cont		

DESCRIPTION:

JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPV) - SY085
 - JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and limited night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems.

AGILE LASER EYE PROTECTION (ALEP) - SY088
 - The Agile laser Eye Protection (ALEP) program will develop a unity magnification goggle to protect the eyes of fixed and rotary winged aircrew from present and future laser systems. The device will block both fixed and frequency agile laser threats. The ALEP goggle will be similar in form and fit as current night vision goggles. The goggle would replace current multiple fixed wavelength protection devices with one single frequency agile device.

MULTI-CLIMATE PROTECTION SYSTEMS (MCP) - SY146
 - MCP is an abbreviated acquisition program intended to develop a modular protective clothing system which provides flame protection, thermal protection, and sufficient insulation while reducing heat stress and bulk commonly associated with cold weather clothing systems. Components of the system will be used for a wide range of temperatures and climate conditions.

AIRCREW EXPOSURE PROTECTION SYSTEM (AEPS) - SY205
 - AEPS (or family of suits) will provide cold water immersion protection with active heating and cooling for reduced thermal burden and greater mission duration and flexibility. Protection will be provided for all platforms, mission types, and passenger transport.

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy							424400, AVIATION LIFE SUPPORT				
BA 3 - AVIATION SUPPORT EQUIPMENT											
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											
Cost (\$M)	\$299.0	A/B	\$31.9	\$34.4	\$18.6	\$25.2	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

NIGHT VISION GOGGLES WIDE FIELD OF VIEW (TACAIR) - SY213
 -These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet mounted wide field of view night vision system that improves in the AN/AVS-9 by providing a fully overlapped binocular field of view of approximately 100 degrees by 40 degrees. The system is battery powered and amplifies ambient light sources, increasing visual acuity at night. The system incorporates high gain, high resolution image intensifier assembly, an objective lens with a leaky green filter that enables the fixed wing pilot to view the head-up display while wearing the system. The system is fully adjustable by the operator and is detachable from the helmet.

NIGHT VISION GOGGLES WIDE FIELD OF VIEW (ROTARY) - SY214
 - These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet mounted wide field of view night vision system that improves on the AN/AVS-9 by providing a fully overlapped binocular field of view of approximately 100 degrees by 40 degrees. The system is battery powered and amplifies ambient light sources, increasing visual acuity at night. The system incorporates high gain, high resolution image intensifier assembly. The system is fully adjustable by the operator and is detachable from the helmet.

JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS) NIGHT VISION INTEGRATION - SY215
 - This system will provide aircraft equipped with the Joint Helmet Mounted Cueing System (JHMCS) the ability to cue and display weapons and sensors at night using a narrow field of view Night Vision Device that integrates the JHMCS cueing and display symbology. The system will be compatible with the current JHMCS helmet and will use the power and data provided by the JHMCS Universal Connector on the helmet. The System includes a high resolution image intensifier assembly, a camera to record the pilot's visual scene and display assembly that combines the JHMCS symbology and the scene viewed through the NVD. It also has an objective lens with a leaky green filter that enables the fixed wing pilot to view the head-up display while wearing the system. The system is fully adjustable by the operator and is detachable from the helmet.

NAVY COMMON HELMET - SY500
 - The Navy Common Helmet (NCW) is a two-part helmet that will be used by both fixed wing and rotary wing aircraft. The helmets will contain a common inner shell that provides ballistic and acoustic protection and a missionized outer shell. Outer shells will include a "slick" shell that will provide additional ballistic protection and other shells that will accommodate night vision devices and JHMCS and ANVIS HUD helmet mounted displays.

BUDGET ITEM JUSTIFICATION SHEET											DATE:		
P-40											February 2006		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE						
Other Procurement, Navy							BA 3 - AVIATION SUPPORT EQUIPMENT					424400, AVIATION LIFE SUPPORT	
Program Element for Code B Items:							Other Related Program Elements						
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program		
Quantity													
Cost (\$M)	\$299.0	A/B	\$31.9	\$34.4	\$18.6	\$25.2	\$23.0	\$23.6	\$24.2	Cont	Cont		

DESCRIPTION:

QUICK DON SMOKE MASK AND IMPROVED WALK AROUND BOTTLE - SY600
 - The Quick-don full-faced smoke mask and walk around bottle will address the deficiencies with the current smoke masks such as poor communications and the necessity for two-handed donning. The common walk around bottle will provide a longer duration, and have an improved carrying harness and be lighter than the current walk around bottles. These will be used by the P-3, E-2C, C-3 and C-130 aircraft crewmembers.

MASK BREATHING UNIT (MBU-23/P) OXYGEN MASKS - SY710
 - The MBU-23/P Oxygen Mask is designed for use in US Navy tactical aircraft for both Pressure Breathing for Gravity (PBG) and Non-PBG applications. The MBU-23/P Mask provide +600 knot windblast protection.

JOINT COMBAT HELO AIRCREW ENSEMBLE - SY720
 An integrated combat helo aircrew ensemble which includes survival item provision, body armor, and exposure protection (micro-climate cooling). Micro-Cooling requires aircraft mounted hardware.

JOINT TECHNICAL DATA INTEGRATION/AUTOMATED MAINTENANCE EQUIPMENT (JTDI/AME) - SY900
 - The Joint Tactical Data Integration (JTDI)/Automated Maintenance Environment (AME) program procures enhancements to Delivery Management System software, Joint Knowledge Caching Server (JKCS) software, Joint Knowledge Update (JK Update) software and hardware refresh to previously deployed demonstration sites.

*Includes FY06 Congressional Adds of \$3M for Multi climate protection system, \$2M for Joint aviation technical data integration program and \$2.8M for US Navy M-176 microphone and mask. Includes \$9.1M for Combat Survivor Evader Locators (CSEL) provided under Title IX.

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System								DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY							ID Code	P-1 ITEM NOMENCLATURE						
OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT							424400, AVIATION LIFE SUPPORT							
Cost Code	Element of Cost	ID Code	Dollars in Thousands											
			Prior Years	FY 2005			FY 2006			FY 2007				
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost		
SY030	SURVIVAL RADIO		33,375	1,864	2,674	4,984	3,977	2,537	10,088					
SY060	CSEL		18,388	919	9,158	8,417	1,313	9,796	12,862	1,544	10,035	15,494		
SY085	JALEPV		2,269	570	4,793	2,732	223	4.7	1,048	138	4,623	638		
SY088	AGILE LASER EYE PROTECTION													
SY146	MULTI-CLIMATE PROTECTION SYSTEM		2,729	1,717	1.57	2,696	1,717	1,571	2,697					
SY205	AIRCREW EXPOSURE PROTECTION SYSTEM													
SY213	NVG WIDE FIELD OF VIEW (TACTICAL)													
SY214	NVG WIDE FIELD OF VIEW (ROTARY)													
SY215	JHMCS NIGHT VISION INTEGRATION													
SY500	NAVY COMMON HELMET													
SY600	QUICK DON SMOKE MASK													
SY710	MBU-23/P OXYGEN MASKS		1,906	2,632	.872	2,296	2,632	.872	2,296					
SY720	JOINT COMBAT HELO ENSEMBLE													
SY830	PRODUCTION SUPPORT SERVICES		43,056			3,567			3,399			2,492		
SY835	OTHER COSTS		192,447			253								
SY900	JTDI/AME		4,858	1	6,951	6,951	1		2,000					
			299,028			31,895			34,390			18,624		

SY060 - CSEL - \$9,100 was transferred to Title IX.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE				February 2006	
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT						424400, AVIATION LIFE SUPPORT				SUBHEAD	
										43SY	
Cost Element/FiscalYear	Qty	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	
SY030 SURVIVAL RADIO											
2005	1864	2.674	NAVAIR	04/2002	C-FFP	TADIRAN SPECTRALINK LTD, Holon,	12/2004	07/2005			
2006	3977	2.537	NAVAIR	04/2002	C-FFP	TADIRAN SPECTRALINK LTD, Holon,	12/2005	07/2006			
SY060 CSEL											
2005	919	9.158	AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA	05/2005	03/2006			
2006	1313	9.796	AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA	05/2006	03/2007			
2007	1544	10.035	AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA	05/2007	03/2008			
SY085 JALEPV											
2005	570	4.793	NAWCADPAX	07/2005	C-FFP	HOLOGRAPHIC OPTICS INC, MILLWOOD, NY	09/2005	11/2005			
2006	223	4.7	NAWCADPAX	07/2005	C-FFP	HOLOGRAPHIC OPTICS INC, MILLWOOD, NY	01/2006	05/2006			
2007	138	4.623	NAWCADPAX	07/2005	C-FFP	HOLOGRAPHIC OPTICS INC, MILLWOOD, NY	01/2007	04/2007			
SY146 MULTI-CLIMATE PROTECTION SYSTEM											
2005	1717	1.57	NAWCADPAX	N/A	SS-FFP	PECKHAM VOC IND INC, LANSING MI	07/2005	08/2005			
2006	1717	1.571	NAWCADPAX	N/A	SS-FFP	PECKHAM VOC IND INC, LANSING MI	07/2006	08/2006			
SY710 MBU-23/P OXYGEN MASKS											
2005	2632	.872	NAVAIR	N/A	C-FFP	GENTEX CORP, RANCHO CUCAMONGA,CA	05/2005	06/2006			
2006	2632	.872	NAVAIR	N/A	C-FFP	GENTEX CORP, RANCHO CUCAMONGA,CA	05/2006	06/2007			
SY900 JTDI/AME											
2005	1	6.951	NAVICPMECH	N/A	C-IDIQ	INTERGRAPH CORP, HUNTSVILLE,AL	04/2005	05/2005			
2006	1	2.	NAWCAD PAX	N/A	C-IDIQ	INTERGRAPH CORP, HUNTSVILLE,AL	04/2006	05/2006			

REMARKS:

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI 424800					
Program Element for Code B Items: 0604373N							Other Related Program Elements 0204302N					
	Prior Years	ID Code		FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY												
COST (In Millions)		B		\$66.721	\$37.533	\$89.727	\$99.712	\$88.747	\$38.681	\$19.453	Cont.	Cont.
SPARES COST (In Millions)				\$3.9	\$6.5	\$2.2	\$2.6	\$1.3	\$0.6	\$0.6	Cont.	Cont.
<p>Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify mine-like objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.</p> <p>S0020 - Funds provided are for the modification and product improvements of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.</p> <p>S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines. FY 2007 procurement supports the MH-60S platform.</p> <p>S0074 - AN/AQS-20A (AN/AQS-20/X Nomenclature designation assigned MAY 02 and funding provided in FY 2005 - FY 2007 includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct high speed minefield reconnaissance to determine mine density and location. The AN/AQS-20A will be procured to address the emergent requirement for mine identification and to integrate AMCM systems with a MH-60S platform, and the Remote Minehunting System AN/WLD-1(V)1. AN/AQS-20A achieved milestone C on 10 May 2005.</p> <p>S0075 - Airborne Laser Mine Detection System (ALMDS), AN/AES-1 is a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of floating and near surface tethered mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems. FY 2005 procurement supports Low Rate Initial Production (LRIP), FY2006 procurement support ALMDS training units, and FY 2007 Procurement support Full Rate Production units for integration onto the MH-60S platform. ALMDS achieved milestone C on 12 June 2005.</p> <p>S0076 - Organic Airborne and Surface Influence Sweep (OASIS) will provide a self-contained, high speed, multi-function mine sweep capability, towed by the MH-60S helicopter or potential surface craft. FY 2007 procurement funding supports Low Rate Initial Production (LRIP).</p> <p>S0090 - OPMA - Organic Port Mission Analysis will provide common PMA software for all five OAMCM systems. Software will be installed on the existing LCS computer. Ruggedized portable OPMA computers will be procured for ship-of-opportunity deployments, land-basing and training.</p> <p>SOCA1- FY 2005 Congressional Add for improvements to the AN/AQS-20 minehunting sonar system.</p>												

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET						DATE:																					
P-40						February 2006																					
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE																						
OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					Airborne Mine Countermeasures BLI # 424800																						
Program Element for Code B Items: 0604373N					Other Related Program Elements																						
					0204302N																						
<table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Code B items</th> <th></th> <th style="text-align: center;">OT</th> <th style="text-align: center;">DT</th> <th style="text-align: center;">TDP</th> <th style="text-align: center;">PDM</th> <th></th> </tr> </thead> <tbody> <tr> <td>AMNS (MH-60S)</td> <td>PE #0604373N</td> <td style="text-align: center;">3Q-4Q/08</td> <td style="text-align: center;">3Q/07-2Q/08</td> <td style="text-align: center;">2Q/08</td> <td style="text-align: center;">3Q/07</td> <td>PDM based on Alternate Platform Testing (CT/DT) on MH-53E Helicopter and CT on MH-60S Helicopter</td> </tr> <tr> <td>OASIS</td> <td>PE #0604373N</td> <td style="text-align: center;">1Q-2Q/08</td> <td style="text-align: center;">2Q-4Q/07</td> <td style="text-align: center;">4Q/06</td> <td style="text-align: center;">1Q/07</td> <td></td> </tr> </tbody> </table>							Code B items		OT	DT	TDP	PDM		AMNS (MH-60S)	PE #0604373N	3Q-4Q/08	3Q/07-2Q/08	2Q/08	3Q/07	PDM based on Alternate Platform Testing (CT/DT) on MH-53E Helicopter and CT on MH-60S Helicopter	OASIS	PE #0604373N	1Q-2Q/08	2Q-4Q/07	4Q/06	1Q/07	
Code B items		OT	DT	TDP	PDM																						
AMNS (MH-60S)	PE #0604373N	3Q-4Q/08	3Q/07-2Q/08	2Q/08	3Q/07	PDM based on Alternate Platform Testing (CT/DT) on MH-53E Helicopter and CT on MH-60S Helicopter																					
OASIS	PE #0604373N	1Q-2Q/08	2Q-4Q/07	4Q/06	1Q/07																						

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: February 2006							
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT				ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2005			FY 2006			FY 2007					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S0020	<u>N752</u> MODIFICATION	A						3,870			5,130			6,521	
S0065	<u>Unit Cost - AMNS</u> NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0065 TOTAL	B										2	1,393	2,786	
														122	
														65	
														638	
														185	
														371	
														314	
														4,481	
S0074	<u>Unit Cost - AQS-20A</u> EOID KIT NON-RECURRING ENGINEERING SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0074 TOTAL	A				5	7,400	37,000		3	7,800	23,400	5	7,416	37,080
												5	900	4,500	
								825			876			948	
								730			504			567	
								760			456			524	
								618			525			1,655	
								657			498			561	
								200			344			372	
								40,790			26,603			46,207	
S0075	<u>Unit Cost - ALMDS</u> TRAINING UNITS NON-RECURRING ENGINEERING PRODUCTION ECP (HW/SW) SUPPORT EQUIPMENT ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0075 TOTAL	A				2	4,916	9,832					4	4,164	16,656
														0	
								2,518			1,354			657	
								6,271			1,761			749	
								107			0			671	
								162			25			1,017	
								55			1,085			346	
								1,212			1,475			1,647	
								404			100			449	
								20,561			5,800			22,192	
	Subtotal							65,221			37,533			79,401	

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT				ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years				FY 2005			FY 2006			FY 2007		
			Total Cost				Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0076	<u>N852</u> <u>Unit Cost - OASIS</u> NON-RECURRING ENGINEERING ENGINEERING CHANGE PROPOSALS ILS/PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL	B											2	1,710	3,420
															1,884
															159
															250
															3,375
															1,056
															182
															10,326
S0CA1	AN/AQS-20 Congressional Add							1,500							
Total								#REF!					#REF!		#REF!

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE		
								February 2006		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					
Other Procurement, Navy					Airborne Mine Countermeasures					
BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					BLI 424800					
					73S0					
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
FISCAL YEAR (05)										
AQS-20A - S0074	5	7,400	NAVSEA	10/04	SS/FP	RAYTHEON, PORTSMOUTH, RI	09/05	11/07	YES	
ALMDS - S0075	2	4,916	NSWC, PANAMA CITY	10/04	FPI	NORTHROP GRUMMAN, MELBOURNE, FL	09/05	11/06	YES	
FISCAL YEAR (06)										
AQS-20A - S0074	3	7,800	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH, RI	03/06	11/08	YES	
FISCAL YEAR (07)										
AMNS - S0065	2	1,393	NAVSEA	01/07	SS/FP	RAYTHEON, PORTSMOUTH, RI	06/07	06/08	YES	
AQS-20A - S0074	5	7,416	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH, RI	06/07	12/08	YES	
ALMDS - S0075	4	4,164	NSWC	10/06	FFP OPTION	NG, MELBOURNE, FL	07/07	10/08	YES	
OASIS - S0076	2	1,710	NAVSEA	N/A	OPTION	EDO CORP N. AMITYVILLE, NY	12/06	12/07	YES	
D. REMARKS										
* FY 06 ALMDS Training Units										

APPROPRIATION/BUDGET ACTIVITY Weapon System P-1 ITEM NOMENCLATURE
OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment **Airborne Mine Countermeasures**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		
AN/AQS-20A FRP	Raytheon, Portsmouth, RI	2	10	18	1	7	17		24	E	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2009												FISCAL YEAR 2010												B A L
						2008			CALENDAR YEAR 2009									CALENDAR YEAR 2010												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/AQS-20A LRIP	06	N	3	0	3	1			1		1													
AN/AQS-20A FRP	07	N	5	0	5		1		1	1	1	1																0		

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2011												FISCAL YEAR 2012												B A L
						2010			CALENDAR YEAR 2011									CALENDAR YEAR 2012												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET											DATE:
P-40											February 2006
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
Other Procurement, Navy BA 3							425500, LAMPS MK III SHIPBOARD EQUIPMENT				
Program Element for Code B Items:							Other Related Program Elements				
							18200				
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity		B		1	6	12	15	14	12	42	102
Cost (\$M)	\$25.6	B	\$20.4	\$19.6	\$27.4	\$22.2	\$22.2	\$22.0	\$19.1	\$77.0	\$255.5

DESCRIPTION:

This program provides for non-recurring engineering and procurement of AN/SRQ-4(Ku) field install kits. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III aircraft to the host ship classes of cruisers, destroyers and frigates.

Basis for Request: The FY07 request funds the procurement of 6 AN/SRQ-4(Ku) ship units and associated support to meet the MH-60R fleet deployment schedule.

FY 2006 includes a Congressional Add of \$1.7M for AN/SRQ-4 LAMPS MK III.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: February 2006	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE 425500, LAMPS MK III SHIPBOARD EQUIPMENT					
Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
S1010 SRQ(KU)4	B										
Quantity				1	6						
Funding		0	0	1,843	8,140						
Other Costs	B	25,557	20,428	17,769	19,229						
Total P-1 Funding		25,557	20,428	19,612	27,369						

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System						DATE: February 2006				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3							ID Code B	P-1 ITEM NOMENCLATURE 425500, LAMPS MK III SHIPBOARD EQUIPMENT				
Dollars in Thousands												
Cost Code	Element of Cost	ID Code	Prior Years	FY 2005			FY 2006			FY 2007		
			Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost
S1010	SRQ(KU)4	B					1	1,843	1,843	6	1,357	8,140
S1800	INTEGRATED LOGISTICS SUPPORT	B	1,252			581			2,901			8,577
S1830	PRODUCTION ENGINEERING	B	23,880			19,847			13,743			10,235
S1860	ACCEPTANCE, TEST & EVALUATION	B	425						1,125			418
S1910	INSTALLATION - FMP	B										
			25,557			20,428			19,612			27,369

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System										DATE: February 2006					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3								ID Code B		P-1 ITEM NOMENCLATURE 425500, LAMPS MK III SHIPBOARD EQUIPMENT							
		OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT															
		Dollars in Thousands															
		FY 2008			FY 2009			FY 2010			FY 2011			To Complete		Total	
Cost Code	Element of Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	QTY	Cost	QTY	Cost
S1010	SRQ(KU)4	12	1,281	15,369	15	1,259	18,879	14	1,251	17,518	12	1,251	15,011	42	53,195	102	129,955
S1800	INTEGRATED LOGISTICS SUPPORT			2,311			1,052			1,039			805		3,285		21,803
S1830	PRODUCTION ENGINEERING			3,949			914			1,184			455		6,577		80,783
S1860	ACCEPTANCE, TEST & EVALUATION			400			408			416			424		2,253		5,868
S1910	INSTALLATION - FMP			151			925			1,887			2,406		11,735		17,104
				22,180			22,177			22,044			19,101		77,045		255,513

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2006			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
OTHER PROCUREMENT, NAVY / BA 3					425500, LAMPS MK III SHIPBOARD EQUIPMENT					U3S1	
Cost Element/Fiscal Year	Qty	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	
S1010 SRQ(KU)4											
2006	1	\$1,843	NAVAIR	12/2004	C-FFP	HARRIS CORPORATION, MELBOURNE, FL	03/2006	08/2008			
2007	6	\$1,357	NAVAIR	12/2006	C-FFP	HARRIS CORPORATION, MELBOURNE, FL	03/2007	03/2009			

REMARKS:

Exhibit P-3a

MODELS OF SYSTEMS AFFECTED: LAMPS MK III TYPE MODIFICATION: KU BAND TCDL MODIFICATION TITLE: S1010 - SRQ(KU)4

DESCRIPTION / JUSTIFICATION:

This program provides for NRE and procurement of AN/SRQ-4(Ku) field install kits. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III aircraft to the host ship classes of cruisers, destroyers and frigates.

DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES:

Financial Plan (in Millions)	PRIOR YEARS		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TO COMPLETE		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
RDT&E																					
PROCUREMENT																					
INSTALLATION KITS NONRECURRING					1	1.843	6	8.140													
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		1.252		0.581		2.901		8.577													
PRODUCTION ENGINEERING		23.880		19.847		13.743		10.235													
QUALITY ASSURANCE ACCEPTANCE TEST & EVALUATION		0.425				1.125		0.418													
OTHER INTERIM CONTRACTOR SUPPORT																					
INSTALL COST																					
TOTAL PROCUREMENT		25.557		20.428		19.612		27.369													

MODELS OF SYSTEMS AFFECTED: LAMPS MK III

MODIFICATION TITLE: S1010 - SRQ(KU)4

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: _____

ADMINISTRATIVE LEADTIME: 6 Months

PRODUCTION LEADTIME: 24 Months

CONTRACT DATES: FY 2005 _____

FY 2006 Mar-06

FY 2007 Mar-07

DELIVERY DATE: FY 2005 _____

FY 2006 Aug-08

FY 2007 Mar-09

(\$ in Millions)

Cost:	PRIOR YEARS		FY 2005		FY 2006		FY 2007		FY 2008		FY 2009		FY 2010		FY 2011		TO COMPLETE		TOTAL		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS EQUIPMENT																					
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT																					
FY 2007 EQUIPMENT																					
FY 2008 EQUIPMENT																					
FY 2009 EQUIPMENT																					
FY 2010 EQUIPMENT																					
FY 2011 EQUIPMENT																					
TO COMPLETE EQUIPMENT																					
TO COMPLETE																					

Installation Schedule

PRIOR YEARS	FY 2005				FY 2006				FY 2007				FY 2008				FY 2009				FY 2010			
	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																								
Out																								

	FY 2011				To Complete	Total
	1	2	3	4		
In						
Out						

Remarks: No break in production due to NAVSEA units installing on same production line.

BUDGET ITEM JUSTIFICATION SHEET											DATE:	
P-40											February 2006	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
Other Procurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT							426500, OTHER AVIATION SUPPORT EQUIPMENT					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program	
Quantity												
Cost (\$M)	\$96.6	A	\$10.4	\$11.5	\$10.8	\$10.8	\$10.5	\$10.9	\$8.5	Cont	Cont	

DESCRIPTION: Naval Aviation Logistics Data Analysis (NALDA) (S7040):

Naval Aviation Logistics Data Analysis (NALDA) is the single authoritative source for Navy and Marine Corps aviation maintenance and logistics data in an automated information system (AIS). It provides life cycle logistics and operational weapons systems readiness data and the tools to support analyses of this data. NALDA data and tools achieve more affordable readiness, eliminate redundant logistics information systems, improve aircraft configuration management and safety of flight, and improve aircraft inventory and life extension management needed to permit recapitalization and modernization. Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE) is the next generation of NALDA and will interface with Navy ERP as the Naval Aviation Business Warehouse. It provides the technological improvements and process streamlining required to enable a cost wise transition from the NALDA program to the capabilities required in Joint Vision 2020 and the Naval Transformation Road Map. DECKPLATE is a COTS intensive system under which numerous stovepipe legacy systems will migrate to create an integrated data environment through the use of Data Warehouse tools and concepts in support of Naval aviation logistics needs. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, commercial off the shelf (COTS), user-friendly, Client-Server and relational database environment. Additionally, Life-Cycle Management (LCM) dollar resource requirements have been identified for hardware, software and process technology upgrades (refreshment), which have also been incorporated above. Funding is required to procure the necessary hardware, networking, systems, applications software, infrastructure, and associated engineering and installation support.

Naval Aviation Logistics Data Analysis/Naval Aviation Logistics Command Management Information System (NALDA/NALCOMIS) (S7041):

As Optimized Organization Maintenance Activity (OOMA) and Optimized Intermediate Maintenance Activity (OIMA) approach full implementation, NALDA NALCOMIS (also identified as Naval Fleet Server Array (NFSA)) is responsible for implementation of Mid Tier Servers at 75+ sites both shipboard and shore based. These Mid Tier Servers replicate data from the Organization and Intermediate level maintenance activities to the NALDA Upline processing center to provide near-real time data to decision makers at all levels. The Mid Tier also allows data to be pushed from Headquarters activities to the fleet to support maintenance activities.

Joint Aviation Technical Data Integration (JATDI) (S7042):

Funding supports the requirement to procure JATDI for installation on all Carrier (CV) and Amphibious Assault (L) class ships and up to 104 Navy/Marine Corp aviation activities. JATDI is a digital technical data access, delivery and local O&I level library management toolset and telemaintenance collaboration process enabler. It improves accuracy and timeliness of technical manual and other technical data delivery and minimizes the Fleet's library management burden. JATDI reduces maintenance manhours with savings Return on Investment (ROI) of 2.5:1 and savings/avoidance ROI of 9.5:1. It facilitates the transition of the Joint Distance Support and Response (JDSR) Advanced Concept Technology Demonstration (ACTD) for telemaintenance and provides for process efficiencies to support ongoing Aviation Fleet Technical Representative reductions.

JATDI includes an FY2006 Congressional Add of \$5.1M for Joint Aviation Logistics Technical Data Integration systems security solution.

Industrial Facilities Equipment procures upgrades for the sonobouy test equipment at Naval Surface Warfare Center (NSWC) Crane IN.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a	DATE: February 2006
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APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3 - AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 426500, OTHER AVIATION SUPPORT EQUIPMENT
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Procurement Items	ID Code	Prior Years	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
NALDA Information Technology costs	A	96,607	10,151	11,264	10,608	10,572	10,327	10,631	8,260	Cont	Cont
Industrial Facilities Equipment	A	3,775	200	207	213	217	221	225	230	Cont	Cont
Total P-1 Funding		100,382	10,351	11,471	10,821	10,789	10,548	10,856	8,490	Cont	Cont

WEAPONS SYSTEM COST ANALYSIS P5		Weapon System					DATE: February 2006			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT						ID Code A	P-1 ITEM NOMENCLATURE 426500, OTHER AVIATION SUPPORT EQUIPMENT			
		Dollars in Thousands								
		Prior Years	FY 2005		FY 2006		FY 2007			
Cost Code	Element of Cost	ID Code	Total Cost	QTY	Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	
S7040	NALDA	A	45,546			3,727			2,980	3,228
S7041	NALDA H/W & S/W - NALCOMIS OPTIMIZED	A	10,255			2,154			3,184	3,126
S7042	NALDA JOINT TACTICAL DATA INTEGRATION (JTDI)	A	39,826			4,270			5,100	4,254
S7030	INDUSTRIAL FACILITIES EQUIPMENT	A	3,775			200			207	213
S7043	RESOURCE ALLOCATON MANAGEMENT PROGRAM	A	980							
			100,382			10,351			11,471	10,821

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			SUBHEAD		
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT						426500, OTHER AVIATION SUPPORT EQUIPMENT			43S7		
Cost Element/FiscalYear	Qty	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	
S7040 NALDA											
2006	1	708	VAR	02/2006	WX	NAWCAD, PATUXENT RIVER MD	03/2006	06/2006	N/A	N/A	
2006	1	782	VAR	02/2006	VARIOUS	TBD	03/2006	06/2006	N/A	N/A	
2007	1	775	VAR	11/2006	WX	NAWCAD, PATUXENT RIVER MD	02/2007	05/2007	N/A	N/A	
2007	1	839	VAR	11/2006	VARIOUS	TBD	02/2007	05/2007	N/A	N/A	
S7041 NALDA H/W & S/W - NALCOMIS OPTIMIZED											
2006	1	224	VAR	11/2005	WX	NAWCAD, PATUXENT RIVER MD	03/2006	06/2006	N/A	N/A	
2006	1	116	VAR	11/2005	VARIOUS	NSY NORFOLK, PORTSMOUTH VA	03/2006	06/2006	N/A	N/A	
2006	1	186	VAR	11/2005	VARIOUS	NSY PUGET SOUND, BREMERTON WA	03/2006	06/2006	N/A	N/A	
2006	1	188	VAR	11/2005	VARIOUS	SPAWARSSYSCOM CHARLESTON SC	03/2006	06/2006	N/A	N/A	
2006	1	2470	VAR	11/2005	VARIOUS	TBD	03/2006	06/2006	N/A	N/A	
2007	1	244	VAR	11/2006	VARIOUS	NAWCAD, PATUXENT RIVER MD	02/2007	05/2007	N/A	N/A	
2007	1	144	VAR	11/2006	VARIOUS	NSY NORFOLK, PORTSMOUTH VA	02/2007	05/2007	N/A	N/A	
2007	1	86	VAR	11/2006	VARIOUS	NSY PUGET SOUND, BREMERTON WA	02/2007	05/2007	N/A	N/A	
2007	1	99	VAR	11/2006	VARIOUS	SPAWARSSYSCOM CHARLESTON SC	02/2007	05/2007	N/A	N/A	
2007	1	2554	VAR	11/2006	VARIOUS	TBD	02/2007	05/2007	N/A	N/A	
S7042 NALDA JOINT TACTICAL DATA INTEGRATION (JTDI)											
2005	1	3831	NAWCAD PAX	07/2005	SS-CPFF/FFP	CRYPTEK, INC, STERLING, VA	03/2006	06/2006	Yes	N/A	
2006	1	4610	NAWCAD PAX	04/2006	SS-CPFF/FFP	CRYPTEK, INC, STERLING, VA	09/2006	12/2006	Yes	N/A	
2006	1	490	N/A	N/A	WX	NAWCAD, PATUXENT RIVER MD	04/2006	05/2006	N/A	N/A	
2007	1	4254	NAVICPMECH	11/2006	C-IDIQ	TBD	12/2006	03/2007	Yes	N/A	

REMARKS: