DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2010
BUDGET ESTIMATES

JUSTIFICATION OF ESTIMATES
MAY 2009

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

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Other Procurement, Navy

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only, and the purchase of 15 vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed $128,000 per light armored vehicle, and $417,000 per heavy armored vehicle; expansion of public and private plants, including the land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, $5,979,194,000, to remain available for obligation until September 30, 2012.

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Department of the Navy
FY 2010/2011 President's Budget
Exhibit P-1 FY 2010 Base and Overseas Contingency Operations (OCO) Request
Summary
(Dollars in Thousands)

05 MAY 2009

APPROPRIATION: Other Procurement, Navy

Budget Activity	FY 2008 Base&OCO Actuals	FY 2009 Base&OCO SupReq 4/9/09	FY 2010 Base	FY 2010 OCO	FY 2010 Total
03. Aviation support equipment	340,732	378,024	392,928	55,228	448,156
TOTAL Other Procurement, Navy	340,732	378,024	392,928	55,228	448,156

Exhibit P-1Q: FY 2010 Base and Overseas Contingency Operations (OCO) Request, as of May 5, 2009 at 14:20:28

Department of the Navy
FY 2010/2011 President's Budget
Exhibit P-1 FY 2010 Base and Overseas Contingency Operations (OCO) Request
(Dollars in Thousands)

APPROPRIATION: 1810N Other Procurement, Navy DATE: 05 MAY 2009

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2008 Base&OCO Actuals Quantity	FY 2008 Base&OCO Actuals Cost	FY 2009 Base&OCO SupReq 4/9/09 Quantity	FY 2009 Base&OCO SupReq 4/9/09 Cost	FY 2010 Base Quantity	FY 2010 Base Cost	FY 2010 OCO Quantity	FY 2010 OCO Cost	FY 2010 Total Quantity	FY 2010 Total Cost	S E C
BUDGET ACTIVITY 03: Aviation support equipment													
	SONOBUOYS												
90	SONOBUOYS - ALL TYPES	A		69,401		112,271		91,976				91,976	U
	AIRCRAFT SUPPORT EQUIPMENT												
91	WEAPONS RANGE SUPPORT EQUIPMENT	A		57,762		73,459		75,329				75,329	U
92	EXPEDITIONARY AIRFIELDS	A		35,640		8,283		8,343		37,345		45,688	U
93	AIRCRAFT REARMING EQUIPMENT	A		12,810		12,723		12,850				12,850	U
94	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A		38,600		46,225		48,670				48,670	U
95	METEOROLOGICAL EQUIPMENT	A		16,625		24,669		21,458				21,458	U
96	OTHER PHOTOGRAPHIC EQUIPMENT	A		1,497		1,598		1,582				1,582	U
97	AVIATION LIFE SUPPORT	A		17,912		21,609		27,367		17,883		45,250	U
98	AIRBORNE MINE COUNTERMEASURES	A		51,973		28,878		55,408				55,408	U
99	LAMPS MK III SHIPBOARD EQUIPMENT	A		27,524		35,013		23,694				23,694	U
100	PORTABLE ELECTRONIC MAINTENANCE AIDS							9,710				9,710	U
101	OTHER AVIATION SUPPORT EQUIPMENT	A		10,988		13,296		16,541				16,541	U
TOTAL	Aviation support equipment			340,732		378,024		392,928		55,228		448,156	
TOTAL	Other Procurement, Navy			340,732		378,024		392,928		55,228		448,156	

Exhibit P-1Q: FY 2010 Base and Overseas Contingency Operations (OCO) Request, as of May 5, 2009 at 14:20:28

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY: **OTHER PROCUREMENT, NAVY BA-3 AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE: **404800, SONOBUOYS - ALL TYPES**
Program Element for Code B Items:	Other Related Program Elements

	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY2010 OCO	FY2010 Total					
Quantity												
Cost ($M)	437.6		69.4	112.3	92.0		92.0					

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

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.

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.

Totals may not add due to rounding

WEAPONS SYSTEM COST ANALYSIS **P-5**			Weapon System **SONOBUOY, ALL TYPES**									DATE: **May 2009**		
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 AVIATION SUPPORT EQUIPMENT**			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **404800, SONOBUOYS, ALL TYPES/U3QZ**										
			TOTAL COST IN THOUSANDS OF DOLLARS											
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2008			FY 2009			FY 2010				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QZ001	HARDWARE AN/SSQ-36	A					3,090	0.324	1,000	2,060	0.327	674		
QZ002	HARDWARE AN/SSQ-53	A		46,350	0.693	32,121	63,860	0.654	41,788	45,320	0.724	32,797		
QZ004	HARDWARE AN/SSQ-62	A		7,711	1.703	13,128	15,450	1.485	22,944	5,150	1.994	10,268		
QZ006	HARDWARE AN/SSQ-101	A		2,090	5.982	12,502	8,240	4.135	34,073	9,064	3.998	36,239		
QZ007	HARDWARE AN/SSQ-110*	A		3,500	0.253	886								
QZ830	PRODUCTION ENGINEERING								8,450			8,005		
QZ831	PROD ENG-AN/SSQ-36													
QZ832	PROD ENG-AN/SSQ-53					3,669								
QZ834	PROD ENG-AN/SSQ-62					1,693								
QZ836	PROD ENG-AN/SSQ-101					1,552								
QZ837	PROD ENG-AN/SSQ-110					141								
QZ860	ACCEPTANCE TEST & EVALUATION								4,017			3,993		
QZ861	ACCEPT TESTING AN/SSQ-36													
QZ862	ACCEPT TESTING AN/SSQ-53					1,929								
QZ864	ACCEPT TESTING AN/SSQ-62					890								
QZ866	ACCEPT TESTING AN/SSQ-101					816								
QZ867	ACCEPT TESTING AN/SSQ-110					74								
* FY08 funds are for rework.														
Note: Prior year dollars are for BLI 404800 only.			**437,569**			**69,401**			**112,271**			**91,976**		

Totals may not add due to rounding

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System **Sonobuoys, All Types**		**A. DATE** **May 2009**			
B. APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 Aviation Support Equipment**					**C. P-1 ITEM NOMENCLATURE** **404800, Sonobuoys, All Types**				**SUBHEAD** **U3QZ**	
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
QZ001 HARDWARE AN/SSQ-36										
2009	3,090	0.324	NAWCAD PAX	10/2008	C-FFP	UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2009	04/2010	YES	
2010	2,060	0.327	NAWCAD PAX	10/2009	TBD	TBD	01/2010	04/2011	YES	
QZ002 HARDWARE AN/SSQ-53										
2008	25,066	0.658	NSWC, CRANE	10/2007	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL	01/2008	04/2009	YES	
2008	16,955	0.775	NSWC, CRANE	10/2007	C-FFP	UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2008	04/2009	YES	
2008	4,329	0.693	NSWC, CRANE	10/2007	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL / UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	08/2008	11/2008	YES	
2009	63,860	0.654	NAWCAD PAX	10/2008	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL / UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2009	04/2010	YES	
2010	45,320	0.724	NAWCAD PAX	10/2009	TBD	TBD	01/2010	04/2011	YES	
QZ004 HARDWARE AN/SSQ-62										
2008	1,500	2.239	NSWC, CRANE	10/2007	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL	01/2008	04/2009	YES	
2008	6,211	1.570	NSWC, CRANE	10/2007	C-FFP	UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2008	04/2009	YES	
2009	15,450	1.485	NAWCAD PAX	10/2008	C-FFP	SPARTON ELECTRONICS FLORIDA, INC., DE LEON SPRINGS, FL / UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2009	04/2010	YES	
2010	5,150	1.994	NAWCAD PAX	10/2009	TBD	TBD	01/2010	04/2011	YES	
QZ006 HARDWARE AN/SSQ-101										
2008	2,090	5.982	NSWC, CRANE	10/2007	SS-FFP	ERAPSCO, COLUMBIA CITY, IN	08/2008	11/2009	YES	
2009	8,240	4.135	NAWCAD PAX	10/2008	SS-FFP	ERAPSCO, COLUMBIA CITY, IN	04/2009	07/2010	YES	
2010	9,064	3.998	NAWCAD PAX	10/2009	TBD	ERAPSCO, COLUMBIA CITY, IN	01/2010	04/2011	YES	
QZ007 HARDWARE AN/SSQ-110										
2008	3,500	0.253	NSWC, CRANE	10/2007	C-FFP	UNDERSEA SENSOR SYSTEMS INC, COLUMBIA CITY, IN	01/2008	04/2009	YES	

REMARKS: CHANGE IN LOCATION OF PCO IN FY09.
FFP=FIRM FIXED PRICE

Totals may not add due to rounding

BUDGET PRODUCTION SCHEDULE, P-21			DATE **May 2009**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 Aviation Support Equipment**		Weapon System **Sonobuoys, All Types**	P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM** **NARM 404800 SUBHEAD U3QZ**

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-53 FY08	SPARTON, FL	0.75	4.0	8.0*		4	15	15	19	K
AN/SSQ-53 FY08	USSI, IN	0.75	4.0	8.0*		4	15	15	19	K
AN/SSQ-62 FY08	SPARTON, FL	0.25	1.5	3.0*		4	15	15	19	K
AN/SSQ-62 FY08	USSI, IN	0.25	1.5	3.0*		4	15	15	19	K
AN/SSQ-101 (ADAR) FY08	ERAPSCO, IN	0.25	1.5	3.0*		10	15	15	25	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008												FISCAL YEAR 2009												BAL
						2007			CALENDAR YEAR 2008												CALENDAR YEAR 2009										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - SPARTON (K)	08	N	25.1	0.0	25.1				A															3.0	3.0	3.0	3.2	3.2	3.3	6.4
AN/SSQ-53 - USSI (K)	08	N	17.0	0.0	17.0				A															2.0	2.0	2.0	2.2	2.2	2.2	4.4
AN/SSQ-53 - SPARTON/USSI (K)	08	N	4.3	0.0	4.3											A														4.3
AN/SSQ-62 - SPARTON (K)	08	N	1.5	0.0	1.5				A															0.1	0.1	0.2	0.2	0.2	0.2	0.5
AN/SSQ-62 - USSI (K)	08	N	6.2	0.0	6.2				A															0.7	0.7	0.8	0.8	0.8	0.8	1.6
AN/SSQ-101- ERAPSCO, IN (K)	08	N	2.1	0.0	2.1											A														2.1

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010												FISCAL YEAR 2011												BAL
						2009			CALENDAR YEAR 2010												CALENDAR YEAR 2011										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - SPARTON (K)	08	N	25.1	18.7	6.4	2.3	2.1	2.0																						0.0
AN/SSQ-53 - USSI (K)	08	N	17.0	12.6	4.4	2.0	1.4	1.0																						0.0
AN/SSQ-53 - SPARTON/USSI (K)	08	N	4.3	0.0	4.3		0.4	0.4	0.6	0.6	0.6	0.6	0.4	0.4	0.3																0.0
AN/SSQ-62 - SPARTON (K)	08	N	1.5	1.0	0.5	0.2	0.2	0.1																						0.0
AN/SSQ-62 - USSI (K)	08	N	6.2	4.6	1.6	0.7	0.6	0.3																						0.0
AN/SSQ-101- ERAPSCO, IN (K)	08	N	2.1	0.0	2.1		0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.2																0.0

Remarks: * If mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

Totals may not add due to rounding

BUDGET PRODUCTION SCHEDULE, P-21					DATE **May 2009**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 Aviation Support Equipment**		Weapon System **Sonobuoys, All Types**		P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM** **NARM 404800 SUBHEAD U3QZ**	
		Production Rate		Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-53 FY09	SPARTON, FL; USSI, IN	0.75	4.0	8.0*		4	15	15	19	K
AN/SSQ-62 FY09	SPARTON, FL; USSI, IN	0.25	1.5	3.0*		4	15	15	19	K
AN/SSQ-101 (ADAR) FY09	ERAPSCO, IN	0.25	1.5	3.0*		4	15	15	19	K

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008												FISCAL YEAR 2009									BAL
						2007	CALENDAR YEAR 2008												CALENDAR YEAR 2009									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - SPARTON/USSI (K)	09	N	63.9	0.0	63.9																A								63.9
AN/SSQ-62 - SPARTON/USSI (K)	09	N	15.5	0.0	15.5																A								15.5
AN/SSQ-101- ERAPSCO, IN (K)	09	N	8.2	0.0	8.2																			A					8.2

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010												FISCAL YEAR 2011									BAL
						2009	CALENDAR YEAR 2010												CALENDAR YEAR 2011									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - SPARTON/USSI (K)	09	N	63.9	0.0	63.9							5.5	7.1	7.5	8.0	8.0	8.0	7.5	6.8	5.5										0.0
AN/SSQ-62 - SPARTON/USSI (K)	09	N	15.5	0.0	15.5							1.0	1.5	2.1	2.1	2.1	2.1	2.1	1.5	1.0										0.0
AN/SSQ-101- ERAPSCO, IN (K)	09	N	8.2	0.0	8.2										0.5	0.8	1.0	1.2	1.2	1.2	1.0	0.8	0.5							0.0

Remarks: * If mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

Totals may not add due to rounding

BUDGET PRODUCTION SCHEDULE, P-21						DATE **May 2009**					
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 Aviation Support Equipment**					Weapon System **Sonobuoys, All Types**		P-1 ITEM NOMENCLATURE **NARM 404800 SUBHEAD U3QZ**			**PEO(A) PROGRAM**	
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
AN/SSQ-53 FY10	TBD	0.75	4.0	8.0*		4	15	15	19	K	
AN/SSQ-62 FY10	TBD	0.25	1.5	3.0*		4	15	15	19	K	
AN/SSQ-101 (ADAR) FY10	ERAPSCO, IN	0.25	1.5	3.0*		4	15	15	19	K	

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

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010												FISCAL YEAR 2011												BAL
						2009			CALENDAR YEAR 2010										CALENDAR YEAR 2011												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - NOT SELECTED (K)	10	N	45.3	0.0	45.3				A															5.2	5.3	5.5	6.0	6.0	6.0	11.3
AN/SSQ-62 - NOT SELECTED (K)	10	N	5.2	0.0	5.2				A															0.4	0.5	0.6	0.8	0.8	0.8	1.3
AN/SSQ-101- ERAPSCO, IN (K)	10	N	9.1	0.0	9.1				A															0.8	0.9	1.2	1.3	1.3	1.3	2.3

Remarks: * If mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

Totals may not add due to rounding

BUDGET PRODUCTION SCHEDULE, P-21						DATE **May 2009**					
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 Aviation Support Equipment**				Weapon System **Sonobuoys, All Types**		P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ**					
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
AN/SSQ-53 FY10	TBD	0.75	4.0	8.0*		4	15	15	19	K	
AN/SSQ-62 FY10	TBD	0.25	1.5	3.0*		4	15	15	19	K	
AN/SSQ-101 (ADAR) FY10	ERAPSCO, IN	0.25	1.5	3.0*		4	15	15	19	K	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2012												FISCAL YEAR 2013												BAL
						2011			CALENDAR YEAR 2012												CALENDAR YEAR 2013										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-53 - NOT SELECTED (K)	10	N	45.3	34.0	11.3	4.5	3.8	3.0																					0.0
AN/SSQ-62 - NOT SELECTED (K)	10	N	5.2	3.9	1.3	0.5	0.4	0.4																					0.0
AN/SSQ-101- ERAPSCO, IN (K)	10	N	9.1	6.8	2.3	1.0	0.7	0.6																					0.0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2014												FISCAL YEAR 2015												BAL
						2013			CALENDAR YEAR 2014												CALENDAR YEAR 2015										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks: * If mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

Totals may not add due to rounding

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: May 2009	
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 - AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **420400, WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years *	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY 2010 Total					
Quantity												
Cost ($M)	201.4	A	57.8	73.5	75.3	0.0	75.3					
Spares ($M)			3.4	4.9	4.2	0.0	4.2					

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, 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.

Note: *Prior Year Total Costs do not include Elements of Cost that are no longer funded in FYDP.

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **420400, WEAPONS RANGE SUPPORT EQUIPMENT**	
Program Element for Code B Items:	Other Related Program Elements	

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM) (SC004)

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.

OCEAN SYSTEMS (SC012)

Funds the procurement and 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 and at the Pacific Missile Range Facility (PMRF) in Kauai, Hawaii. The fixed underwater ranges are used to provide individual and unit level training for basic antisubmarine warfare (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 Shallow Water Training Range (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.

TACTICAL COMBAT TRAINING SYSTEM (TCTS) (SC037/SC038/SC039/SC133/SC138/SC139/SC140/SC158)

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.

TARGETS/SMART TARGETS (SC041)

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.

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **420400, WEAPONS RANGE SUPPORT EQUIPMENT**	
Program Element for Code B Items:	Other Related Program Elements	

THREAT PRESENTATION (SC105)

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 electronic order of battle (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.

FRP RADAR EMISSION STIMULATING SET (SC145)

The Fleet Readiness Program (FRP) supports the Navy's transition of fleet training from Vieques, Puerto Rico to various locations along the East Coast and Gulf of Mexico. The Radar Emission Stimulating Set (RESS) is a component of the Opposing Force operating environment that replicates the expected electronic order of battle. The RESS provides the range the capability to simulate or emulate basic elements of Electronic Combat systems. Beginning in FY10 FRP RESS funds have been moved to SC105 Threat Presentation. This realignment assembles disparate EW programs into a functional capability, allowing the fleet to control and allocate threat presentation resources within the existing budget to ensure procurement efforts are best aligned to the electronic order of battle threat requirements.

FRP TARGETS (SC151)

The Moving Land Target (MLT) will provide Naval Forces with a fast and highly maneuverable surrogate for the threat vehicles currently encountered in combat operations. The MLT will operate primarily on unpaved roads, support Close Air Support (CAS) and Time Sensitive Targeting (TST) training, and enable Joint Terminal Air Controllers (JTACs) and aircrews to identify and engage moving targets not normally associated with traditional enemy forces.

BSURE REPLACEMENT (SC160)

The Barking Sands Underwater Range (BSURE) has reached its intended design life and requires refurbishment and modernization to ensure that it is capable of meeting fleet antisubmarine welfare training requirements in the future. FY06 and FY07 Congressional Adds provide funding for a portion of the required necessary components and elements associated with the modernization. Refurbishment includes replacement of both in-water and shore side hardware and modernization of software systems. Outyear funds beginning in FY07 fund the remainder of the requirement to extend the operational life of the range.

EAST COAST UNDERSEA WARFARE TRAINING RANGE (SC161)

The purpose of the East Coast USWTR is to establish a shallow-water training range capability on the East Coast. The primary USWTR mission will be to support Fleet readiness through training and tactical development of submarine, surface ship, and aircraft undersea warfare (USW), surface warfare (SUW), and mine warfare (MIW). Secondary missions will include training in shallow water, regional conflict operations involving the naval special warfare (NSW), electronic warfare (EW), and amphibious warfare (AMW) mission/operational capability areas. Additionally, joint mission areas that may be supported include joint littoral warfare, and joint surveillance and warning. Previously subsumed within Ocean Systems, East Coast USWTR has been broken out separately in accordance with the FY 2007 Defense Appropriations Act.

BUDGET ITEM JUSTIFICATION SHEET P-40		DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **420400, WEAPONS RANGE SUPPORT EQUIPMENT**	
Program Element for Code B Items:	Other Related Program Elements	

WEAPONS IMPACT SCORING SYSTEMS (SC163)

Weapons Impact Scoring System (WISS) is an elecro-optical system that provides real-time scoring of ordinance impacts. There are 23 systems installed at 10 Navy training ranges. Improved Remote Strafe Scoring System (IRSSS) is an electro-acoustical system that provides real-time scoring of strafe impacts (supersonic). At present there are nine (9) Navy systems at six (6) Navy training ranges. These funds will be used for major service life extensions, technology refreshment, and system replacement.

LASER SCORING SYSTEMS (SC164)

Laser training system instrumentation is used to provide a ground based source of laser energy for weapon terminal guidance (ground designation) or to provide an independent confirmation of the laser spot position for airborne or ground designation. These funds will be used for major service life extensions, technology refreshment, and system replacement.

ADVANCED GROUND TARGET THREAT SIMULATORS CONGRESSIONAL ADD (SC705)

The AGTTS is a multi-spectral ground target Electronic Warfare (EW) threat. AGTTS can visually represent the mechanical structure of the opposing force (OPFOR) threat systems. AGTTS can represent search, acquisition, and tracking radars, Anti-Aircraft Artillery (AAA), Surface-to-Air Missile (SAM) systems, and infrared (IR) systems. Systems can be located at various Tactical Training Range EW ranges.

TRAINING RANGE ENHANCEMENTS CONGRESSIONAL ADD (SC706)

Funds provided to support acquiring and deploying Navy Fleet Training Range instrumentation. Training range instrumentation limited to : Tracking instrumentation (both fixed-site and movable/mobile), instrumentation capabilities to exchange and process data with the combat includes but is not systems, instrumentation designed to provide a realistic electronic warfare environment, equipment for impact scoring of practice weapons, and support instrumentation, including communications, surveillance, and data transmissions systems necessary for the effective operation of the training ranges.

OTHER PROCUREMENT COST ANALYSIS **P-5**													DATE: **May 2009**		
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 3** **AVIATION SUPPORT EQUIPMENT**			ID Code **A**	P-1 ITEM NOMENCLATURE/SUBHEAD **420400, WEAPONS RANGE SUPPORT EQUIPMENT**											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC004	SYS REPLACE & MODS (SRAM)	A	90,768			5,491			7,353			8,574			
SC012	OCEAN SYSTEMS	A	27,755			13,396			2,600			3,141			
SC041	TARGETS / SMART TARGETS	A	7,302	1	230.000	230	2	250.000	500	1	237.000	237			
SC105	THREAT PRESENTATION	A	8,698	1	10,638.999	10,639	1	9,217.000	9,217	1	7,560.000	7,560			
SC138	TCTS - PORTABLE GROUND UNIT	A					19	25.020	475	16	25.438	407			
SC139	TCTS - FIXED GROUND UNIT	A					2	241.957	484						
SC140	TCTS - REMOTE RANGE UNIT	A					4	82.946	332						
SC145	FRP - RADAR EMISSION STIMULATING SET	A	11,553	7	535.628	3,749	7	554.857	3,884						
SC151	FRP - TARGETS	A	747	24	92.250	2,214	65	29.954	1,947	80	25.275	2,022			
SC158	TCTS - GROUND SUBSYSTEM	A	6,071			1,842									
SC160	BSURE REPLACEMENT	A	12,964			3,182			5,681			4,015			
SC161	EAST COAST UNDERSEA WAR TRN RNG	A							1,646			4,704			
SC163	WEAPONS IMPACT SCORING SYSTEM	A								23	42.522	978			
SC164	LASER SCORING SYSTEM	A								2	489.000	978			
SC705	ADV GROUND TARGET THREAT SIM CONG ADD	A							1,280						
SC706	TRAINING RANGE ENHANCEMENTS CONG ADD	A							8,000						
SC800	INTEGRATED LOGISTICS SUPPORT		4,873			1,154			3,915			2,998			
SC831	PRODUCTION ENGINEERING SUPPORT PMA205		25,501			12,406			23,099			37,904			
SC832	PRODUCTION ENGINEERING SUPPORT PMA208								180			50			
SC860	ACCEPTANCE TEST AND EVALUATION		1,307			880			440			593			
SC900	NON-FMP INSTALLATION		3,822			2,577			2,426			1,168			
			201,361			**57,762**			**73,459**			**75,329**			

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE May 2009		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 420400, WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC/J3SC	
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
SC041 TARGETS / SMART TARGETS										
2008	1	230.000	NAWCWD PT MUGU, CA	01/2008	C-FFP	ARGON ST, CAMARILLO, CA	04/2008	04/2010	YES	
2009	2	250.000	NAWCWD PT MUGU, CA	01/2009	C-FFP	ARGON ST, CAMARILLO, CA	04/2009	04/2011	YES	
2010	1	237.000	NAWCWD PT MUGU, CA	01/2010	C-FFP	ARGON ST, CAMARILLO, CA	04/2010	04/2012	YES	
SC105 THREAT PRESENTATION										
2008	1	10,638.999	NAWCWD, CHINA LAKE, CA	01/2008	C-FFP	DTI, HUNTSVILLE, ALABAMA	06/2008	04/2010	YES	
2009	1	9,217.000	NAWCWD, CHINA LAKE, CA	01/2009	TBD	TBD	04/2009	04/2011	YES	
2010	1	7,560.000	NAWCWD, CHINA LAKE, CA	01/2010	TBD	TBD	04/2010	04/2012	NO	01/2010
SC138 TCTS - PORTABLE GROUND UNIT										
2009	19	25.020	ACC/WMR EGLIN AFB, FL	10/2008	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	01/2009	09/2009	YES	
2010	16	25.438	ACC/WMR EGLIN AFB, FL	10/2009	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	01/2010	09/2010	YES	

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE May 2009		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 420400, WEAPONS RANGE SUPPORT EQUIPMENT				SUBHEAD 43SC/J3SC	
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
SC139 TCTS - FIXED GROUND UNIT										
2009	2	241.957	ACC/WMR EGLIN AFB, FL	10/2008	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	01/2009	09/2009	YES	
SC140 TCTS - REMOTE RANGE UNIT										
2009	4	82.946	ACC/WMR EGLIN AFB, FL	10/2008	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	01/2009	09/2009	YES	
SC145 FRP-RADAR EMISSION SIMULATING SET										
2008	7	535.628	NAWCWD, PT MUGU, CA	10/2007	VARIOUS	ARGON ST, CAMARILLO, CA	12/2007	06/2009	YES	
2009	7	554.587	NAWCWD, PT MUGU, CA	10/2008	VARIOUS	ARGON ST, CAMARILLO, CA	12/2008	06/2010	YES	
SC151 FRP-TARGETS										
2008	24	92.250	VAR	11/2007	VARIOUS	VARIOUS	04/2008	12/2008	YES	
2009	65	29.954	VAR	05/2009	VARIOUS	VARIOUS	07/2009	02/2010	NO	11/2009
2010	80	25.275	VAR	11/2009	VARIOUS	VARIOUS	12/2009	09/2010	YES	
SC163 WEAPONS IMPACT SCORING SYSTEM										
2010	23	42.522	NSWC, CORONA, CA	02/2010	TBD	TBD	04/2010	09/2010	YES	
SC164 LASER SCORING SYSTEM										
2010	2	489.000	NAWCWD PT MUGU, CA	04/2010	TBD	TBD	06/2010	06/2011	YES	

REMARKS: SRAM and TARGETS consist of a variety of projects each FY with award dates starting when funds are released.

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Weapons Ranges TYPE MODIFICATION: Added Capability MODIFICATION TITLE: SC105 Threat Presentation

DESCRIPTION/JUSTIFICATION:

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 electronic order of battle (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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	Prior Years		FY 2008		FY 2009		FY 2010		FY 2010 OCO													
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
INSTALLATION KITS																						
INSTALLATION KITS NRE																						
EQUIPMENT NRE																						
EQUIPMENT																						
Foreign Military Air Defense Radar *			1	10.6	1	9.2	1	7.6														
Air Defense Threat Simulator *																						
ECP 1 Grp "A"																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
PE				1.9		1.6		1.9														
ILS				0.2		0.2		0.2														
ACCEPTANCE TEST				0.1		0.2																
OTHER																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST																						
TOTAL PROCUREMENT		0.0		12.8		11.3		9.7														

* The Foreign Military Air Defense Radar and Air Defense Threat Simulator are similar but not identical installations.

P3A (Continued)

MODELS OF SYSTEMS AFFECTED: Weapons Ranges MODIFICATION TITLE: SC105 Threat Presentation

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Organic installation

ADMINISTRATIVE LEADTIME: 7 Months PRODUCTION LEADTIME: 24 Months

CONTRACT DATES: FY 2008: June 2008 FY 2009: April 2009 FY 2010: April 2010
DELIVERY DATE: FY 2008: June 2010 FY 2009: April 2011 FY 2010: April 2012

($ in Millions)

Cost: *	Prior Years		FY 2008		FY 2009		FY 2010		FY 2010 OCO												Qty	$
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$		
PRIOR YEARS																					-	-
FY 2008 EQUIPMENT																					-	-
FY 2009 EQUIPMENT																					-	-
FY 2010 EQUIPMENT																					-	-
FY 2011 EQUIPMENT																					-	-
FY 2012 EQUIPMENT																					-	-
FY 2013 EQUIPMENT																					-	-
FY 2014 EQUIPMENT																					-	-
FY 2015 EQUIPMENT																					-	-
TO COMPLETE																					-	-
TOTAL INSTALL COST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

INSTALLATION SCHEDULE:

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

*Organic install therefore no install cost.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: May 2009					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA - 3 Aviation Support Equipment**							P-1 ITEM NOMENCLATURE **420800, Expeditionary Airfields**					
Program Element for Code B Items: **Not Applicable**							Other Related Program Elements					
	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY 2010 Total					
Quantity												
Cost ($M)	**92.3**	**A**	**35.6**	**8.3**	**8.3**	**37.3**	**45.7**					

EXPEDITIONARY AIRFIELDS (EAF)

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). EAF recovery equipment consists of the M31 arresting gear and its accessories. This equipment is used to stop aircraft in less than 1000 ft, thus allowing EAFs to be much shorter than would be required to stop jet aircraft. EAF landing mats and accessories are used to construct airfields of varying configurations such as, 5000+ ft conventional airport runways and taxiways, Forward Arming and Refueling Points (FARPs), Forward Operating Bases (FOBs), Landing Zones (LZs) and Helo Pads. EAF Lighting equipment augments the many types of EAFs that can be constructed with Lighting of the runways, taxiways, LZs, FARPs, FOBs and Helo pads. Much of the EAF Lighting utilizes Infra Red Lighting for use with Night Vision Devices for night operations by all Type / Model / Series aircraft. Visual Landing Aids also augment EAFs and support safe and secure takeoffs and landings. Forward Looking Optical Landing Systems (FLOLS) and Precision Approach Path Indicator (PAPIs) systems are used to safely guide aircraft to the proper landing or arresting gear area of the EAF.

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.

Basis for FY 2010 Budget Request: The FY 2010 baseline budget requests consist of procurement of various composites of surfacing equipment, such as AM-2 matting, lightweight and ultra light weight matting. The quantities vary depending on quantities for each type of matting and service change requirements each year. This is also true for quantities of lighting equipment procured. The 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.

Basis for FY 2010 Overseas Contingency Operations (OCO) Request: The FY 2010 OCO budget consists of procurement EAF replacement equipment that is not recoverable due to Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). This equipment includes accessories that are required to support air operations such as: war operations, medivac landing zones and logistic resupply points for weapons, ammunition, food and general supplies at various airfields, FARPs and FOBs in IRAQ. Specific items addressed in this budget are AM-2 Matting, F-87 & F-88 Light Weight Matting, AM-2 Shipping Container (Flatrack), AM-2 Accessory Packs, and Man-Portable Lighting Packs.

OTHER PROCUREMENT COST ANALYSIS
P-5

DATE: **May 2009**

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy/BA 3 Aviation Support equipment

P-1 ITEM NOMENCLATURE/SUBHEAD
420800 Expeditionary Airfields/Y3SE

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SE010	EAF Surfacing Equipment	A													
	AM-2 Matting	A	45,874	Various	Various	32,046	Various	Various	3,696	219	17	3,723	1,599	17	27,183
	F-87 Light Weight Matting	A											150	16	2,400
	F-88 Light Weight Matting	A											150	16	2,400
	AM-2 Shipping containers(Flatrack)	A											28	7	196
	AM-2 Acessory Packs (note1)	A											Various	Various	2,076
SE010	EAF Lighting Equipment	A													
	Man Portable Lights (note1)	A	20,408	Various	Various	2,436	Various	Various	3,422	Various	Various	3,535	Various	Various	2,000
SE210	EAF Arresting Gear Equipment	A	7,294	Various	Various	800	Various	Various	832	Various	Various	848			
	Other Costs	A													
SE800	Integrated Logistics Support	A	6,000			108			105			100			205
SE830	Production Engineering	A	7,000			145			125			87			483
SE860	Acceptance Test and Evaluation	A	5,705			105			103			50			402
	Note 1: AM-2 Accessory Packs and Man-Portable Light Packs are made up of hundreds low priced items. Multiple different Pack configurations are procured each year. Therefore, individual quantities are not provided.														
			92,281			**35,640**			**8,283**			**8,343**			**37,345**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | A. DATE: **May 2009**

B. APPROPRIATION/BUDGET ACTIVITY: **Other Procurement, Navy**
BA3 - Aviation Support Equipment

C. P-1 ITEM NOMENCLATURE: **420800 EXPEDITIONARY AIRFIELDS**

SUBHEAD: **Y3SE**

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 2010										
SE010 EAF Surfacing Equipment										
AM-2 Matting	1599	17	NAWCAD Lakehurst, NJ.	Oct-07	C/Option	ALFAB, Mountgomery, AL	Dec-09	Jun-10	Yes	
F-87 Light Weight Matting	150	16	NAWCAD Lakehurst, NJ.	Feb-07	C/Option	Deschamps - Angouleme,FR	Dec-09	Apr-10	Yes	
F-88 Light Weight Matting	150	16	NAWCAD Lakehurst, NJ.	Feb-07	C/Option	Cgear - Melbourne, Australia	Dec-09	Apr-10	Yes	
AM-2 Shipping Containers(1)	28	7	NAWCAD Lakehurst, NJ.	N/A	C/Option	US Army	Dec-09	May-10	Yes	
AM-2 Accessory Packs	Various	Various	NAWCAD Lakehurst, NJ.	Feb-06	C/Option	ACG Systems Corp Annapolis, MD	Dec-09	Jan-10	Yes	
SE010 EAF Lighting Equipment										
Man Portable Lights	Various	Various	NAWCAD Lakehurst, NJ	Feb-06	C/Option	RMC Distribution, Virgina Beach, VA	Dec-09	Jun-10	Yes	

D. REMARKS
1. Containers are requisitioned from US ARMY.
Award date is contingent on the receipt of funds.

PRODUCTION SCHEDULE P-21					DATE: **May 2009**
APPROPRIATION/BUDGET ACTIVITY: **Other Procurement, Navy/BA 3 Aviation Support Equipment**			Weapon System		P-1 ITEM NOMENCLATURE: 420800 Expeditionary Airfields

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AM-2 Matting	ALFAB, Montgomery, AL	1500	3750	5000		3	6		9	E

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

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010												FISCAL YEAR 2011												BAL
						2009			CALENDAR YEAR 2010									CALENDAR YEAR 2011												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AM-2 Matting/ALFAB	10	N	1599	1200	399			A						300	300	300	300	300	99											0

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: May 2009					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA 3- AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **421400, AIRCRAFT REARMING EQUIPMENT**					
Program Element for Code B Items: **0205633N**							Other Related Program Elements					
	Prior Years *	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY2010 Total					
Quantity												
Cost ($M)	323.2		12.8	12.7	12.9		12.9					
Initial Spares ($M)			0.0	0.1	0.1		0.1					

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. Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns.

FY08 provides funding to procure: ADU-514A/E Missile Adapter, AERO-51B Trailer, LALS II Loader, LALS II Replenisher, and associated support cost.

FY09 provides funding to procure: ADU-514A/E Missile Adapter, AERO-51B Trailer, LALS II Loader, A/M32K-4A Munitions Trailer Replacement, A/M32U-21 Ordnance Trailer, LGB Weapons Adapter, MHU-228/E Sling, MC Weapons Assembly Station, and associated support cost.

FY10 provides funding to procure: AERO-51B Trailer, LALS II Loader, A/M32K-4A Munitions Trailer Replacement, A/M32U-21 Ordnance Trailer, LGB Weapons Adapter, MC Weapons Assembly Station, LALS Power Drive Tool, and associated support cost.

Note: * Elements of cost that are not currently funded in the FYDP are no longer included in the "Prior Year" column.

OTHER PROCUREMENT COST ANALYSIS
P-5

DATE: **May 2009**

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy/BA 3- AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE/SUBHEAD
421400, AIRCRAFT REARMING EQUIPMENT

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SH010	ECPS	B	243,971			4,070			918			649			
SH024	ADU-514A/E MISSILE ADAPTER	A	1,393	400	3.767	1,507	210	3.942	828						
SH030	AERO-51B (MHU-227/M) TRAILER	A	1,672	150	12.866	1,930	149	13.181	1,964	76	13.434	1,021			
SH033	LALS II LOADER	A	28,383	15	143.133	2,147	20	148.100	2,962	20	153.350	3,067			
SH034	LALS II REPLENISHER	A	2,265	35	23.857	835									
SH036	A/M32K-4A MUN TRLR REPLACEMENT	B	650				140	19.514	2,732	184	20.103	3,699			
SH038	LALS POWER DRIVE TOOL	B								25	10.000	250			
SH039	A/M32U-21 ORDNANCE TRAILER	B					2	225.000	450	10	100.000	1,000			
SH040	LGB WEAPONS ADAPTER	B					50	5.000	250	150	5.000	750			
SH041	MHU-228/E SLING	B					60	2.000	120						
SH042	MC WEAPONS ASSEMBLY STATION	B					3	85.000	255	3	85.000	255			
SH830	PRODUCTION ENGINEERING		37,805			1,710			1,653			1,667			
SH860	ACCEPTANCE TEST AND EVALUATION		7,011			611			591			492			
			323,150			**12,810**			**12,723**			**12,850**			**0**

PROCUREMENT HISTORY AND PLANNING
P-5A

A. DATE May 2009

B. APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy/BA 3 - AVIATION SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE
421400, AIRCRAFT REARMING EQUIPMENT

SUBHEAD 43SH

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
SH024 ADU-514A/E MISSILE ADAPTER										
2008	400	3.767	NAWCADLKE	11/2007	C-FFP*	DACVAL CORPORATION, PHILADELPHIA, PA	03/2008	09/2008	YES	
2009	210	3.942	NAWCADLKE	11/2007	C-FFP / OPTION	DACVAL CORPORATION, PHILADELPHIA, PA	03/2009	09/2009	YES	
SH030 AERO-51B (MHU-227/M) TRAILER										
2008	150	12.866	NAWCADLKE	05/2006	C-FFP / OPTION	DEVAL CORPORATION, PHILADELPHIA, PA	02/2008	07/2008	YES	
2009	149	13.181	NAWCADLKE	05/2006	C-FFP / OPTION	DEVAL CORPORATION, PHILADELPHIA, PA	12/2008	07/2009	YES	
2010	76	13.434	NAWCADLKE	05/2006	C-FFP / OPTION	DEVAL CORPORATION, PHILADELPHIA, PA	12/2009	07/2010	YES	
SH033 LALS II LOADER										
2008	15	143.133	NAWCADLKE	06/2007	C-FFP / OPTION	HYDRAULICS INTERNATIONAL INC., CHATSWORTH, CA	03/2008	09/2008	YES	
2009	20	148.100	NAWCADLKE	06/2007	C-FFP / OPTION	HYDRAULICS INTERNATIONAL INC., CHATSWORTH, CA	12/2009	07/2010	YES	
2010	20	153.350	NAWCADLKE	06/2007	C-FFP / OPTION	HYDRAULICS INTERNATIONAL INC., CHATSWORTH, CA	12/2010	07/2011	YES	
SH034 LALS II REPLENISHER										
2008	35	23.857	NAWCADLKE	03/2006	C-FFP / OPTION	HYDRAULICS INTERNATIONAL INC., CHATSWORTH, CA	03/2008	09/2008	YES	
SH036 A/M32K-4A MUN TRLR REPLACEMENT										
2009	140	19.514	NAWCADLKE	02/2007	C-FFP / OPTION	GENERAL SCIENTIFIC MANUFACTURING INCORPORATED, PANAMA CITY, FL	12/2008	07/2009	YES	
2010	184	20.103	NAWCADLKE	02/2007	C-FFP / OPTION	GENERAL SCIENTIFIC MANUFACTURING INCORPORATED, PANAMA CITY, FL	12/2009	07/2010	YES	
SH038 LALS POWER DRIVE TOOL										
2010	25	10.000	NAWCADLKE	09/2009	C-FFP*	TBD	03/2010	08/2010	YES	
SH039 A/M32U-21 ORDNANCE TRAILER										
2009	2	225.000	NAWCADLKE	09/2008	C-FFP*	TBD	03/2009	08/2009	YES	
2010	10	100.000	NAWCADLKE	09/2008	C-FFP / OPTION	TBD	12/2009	07/2009	YES	
SH040 LGB WEAPONS ADAPTER										
2009	50	5.000	NAWCADLKE	09/2008	C-FFP*	TBD	03/2009	08/2009	YES	
2010	150	5.000	NAWCADLKE	09/2008	C-FFP / OPTION	TBD	12/2009	07/2009	YES	
SH041 MHU-228/E SLING										
2009	60	2.000	NAWCADLKE	09/2008	C-FFP*	TBD	03/2009	08/2009	YES	
SH042 MC WEAPONS ASSY STATION										
2009	3	85.000	NAWCADLKE	09/2008	C-FFP*	TBD	03/2009	08/2009	YES	
2010	3	85.000	NAWCADLKE	09/2008	C-FFP / OPTION	TBD	12/2009	07/2009	YES	

D. REMARKS
* FFP - FIRM FIXED PRICE

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY: **OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE: **421600, AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)**
Program Element for Code B Items: **0204112N**	Other Related Program Elements: **RDT&E 0604512N, 0603512N**

	Prior Years	ID Code	FY 2008	FY 2009	FY 2010							
QUANTITY												
COST ($M)	**$76.1**		**$38.6**	**$46.2**	**$48.7**							
Spares ($M)			**$0.4**	**$0.1**	**$0.3**							

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:

(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.

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.

Launcher Service Change Kits

Launcher Various Service Change Kits is used to support the procurement of product improvements recently identified thru the metrics rack and stack process with the TYCOMs. Launcher various service change kits programs will reduce catapult down-time, increase availability, and reduce total ownership costs. Programs are funded based on the TYCOMs priorities. Launcher service change kits will improve the safety of deck operations, improve safety of flight operations, and upgrade kits.

Visual Landing Aids Service Change Kits

Visual Landing Aids (VLA) Various Service Change Kits is used to support the procurement of corrective actions for product deficiencies related to changing operating conditions, obsolescence and product improvements recently identified thru the metrics rack and stack process with the TYCOMs. The various VLA programs that will reduce system down-time, increase availability, and reduce total ownership costs. Programs are funded based on the TYCOMs priorities. Recovery service change kits will improve the safety of deck operations, improve safety of flight operations, and upgrade kits.

Recovery Service Change Kits

Recovery Service Change Kits will be used to procure hardware which will improve arresting gear maintainability and availability and/or result in life cycle costs savings in both material and labor dollars. Recovery service change kits will also include procuring aircraft firefighting thermal imager initial outfitting of CV/CVN class ships. The programs have been identified through a recent review of fleet metrics data, identifying components or maintenance actions with high ownership costs. Candidate programs were proposed, presented to the TYCOMS and prioritized through a rack and stack process. Recovery service change kits will improve the safety of deck operations, improve safety of flight operations, and upgrade kits.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 421600, AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)

Moriah Wind System

Moriah Wind System (MWS) provides digital wind speed and direction information, including crosswind and headwind, to support decision-making for air operations, combat, navigation, tactical planning, weapons employment and firefighting. MWS replaces the current Type F Wind Measuring and Indicating System. In addition, MWS displays Aircraft Recovery Bulletins (ARBs), Launch and Recovery Envelopes (LREs) and Vertical Short Take-off and Landing (VSTOL) Bulletin Data. The MWS replaces the current Type F Wind Measuring and Indicating System (WMIS), providing a single wind measuring system, consistent across all ship classes and shore stations. MWS consists of wind sensor units (WSU), a redundant wind processor unit (WPU), high-end displays (HED) and low-end displays (LED).

Virtual Imaging System for Approach and Landing (VISUAL)

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 purpose of VISUAL is to provide the LSO with video imagery, radar data, and other landing-critical information, aiding in the safe and expeditious recovery of aircraft aboard ship. This is accomplished through the use of an integrated set of displays, controls and processing equipment. The display system electrically interfaces with various other shipboard systems for input signals to drive the VISUAL Workstation Assembly (VWA) displays. The hydraulic lift subsystem provides a means for raising the VWA to a viewing height and lowering it into a storage enclosure. It also provides the means for hydraulically lifting the windscreen and base console from a central control on the LSO platform. Due to recently imposed restrictions on installing improvements on CV-67 and CVN-65, the 2 systems that had been planned for these ships will be used for the next 2 new-construction CVN's.

Advance Recovery Control System

The Advanced Recovery Control (ARC) system provides a recovery control and monitoring function. The ARC system replaces the Mark 7 arresting gear Constant Runout Valve mechanical actuator components and chain drive system with a computer controlled hydraulic operator. The ARC system also replaces the manually operated retract levers at the arresting gear deck edge station and associated cable system with an electronically controlled electro-hydrostatic actuator system for each engine. The new ARC / Cross Check system, provides the aircraft type selected for recovery, arresting gear engine status, Improved Fresnel Lens Optical Landing System (IFLOLS) status, the targeted arresting gear wire, Clear deck / Foul deck status, Headwind / Crosswind advisory, arresting gear and IFLOLS crosscheck indication. This new Aircraft Recovery Control System will accomplish the objectives of the FY 2001 CV Operational Advisory Group (OAG) Priority #12 Arresting Gear Improvements and CV OAG Air Department Priority #3 to restore margins of safety to the MK7 Arresting Gear System. The new system will also reduce system life cycle cost by reducing "O" level maintenance.

Advanced Arresting Gear

Advanced Arresting Gear (AAG) replaces the MK7 arresting gear, which has reached the limits of its operating capability. The current MK 7 Mod 3 shipboard arresting gear design, first deployed in the 1960's, has several significant shortfalls, including limited growth to recover light weight and heavy weight aircraft, decreasing margins of safety and service life, and increasing manning costs for operations and maintenance support. The AAG system will provide the U.S. Navy with the ability to recover all existing and projected aircraft carrier based air vehicles well into the 21st century. The AAG will provide increased operational availability, while reducing manning, maintenance, and support costs. The AAG will be back-fit on CVN 68-class aircraft carriers and forward fit on CVN 21-class ships.

BUDGET ITEM JUSTIFICATION SHEET **P-40**	DATE: **May 2009**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **421600, AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)**

Auto Cross Check System

Auto Cross Check System allows Arresting/Gear (A/G) engine weight settings to be automatically set following an input from operator in Pri-Fly. The system verifies that all engines are properly set, sub-systems are in battery, and performs the cross check function, and provides a "closed loop" cross check verification. Actual feedback data from all the A/G engines and from IFLOLS is required before the new Cross Check System will display a ready condition. System interfaces with the Mark7 A/G Engines (CROV, Anchor Damper Battery Indicator, MEC Battery, Crosshead run-out, etc.), IFLOLS, LSO HUD, Landing Area Status System, Sheave Dampers, and the Deck Sheaves.

ADMACS

The Aviation Data Management and Control System (ADMACS) grew out of the Aviation Weapons Information Management System (AWIMS) initiative. ADMACS is an integrated, network-centric, shipboard aviation operations information management system, which will provide data required for CVN aviation operations planning, execution, and readiness assessment . ADMACS is a tactical, real-time data management system that provides connectivity throughout the Air Department and other ship divisions and embarked staffs that manage ALRE operations on CV/CVN ships. ADMACS communicates aviation and command related data elements across the ADMACS Local Area Network (LAN) and Integrated Shipboard Network System (ISNS) that electronically displays position and location of aircraft on the flight and hangar decks, status of aircraft; aircraft launch and recovery equipment; fuel, weapons types and quantity as well as a wide variety of other aviation related and ship information. Block 2 is the third incremental development in this integration program. Block 3 is the fourth incremental development in this integration program.

WEAPONS SYSTEM COST ANALYSIS P-5	WEAPON SYSTEM	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE/SUBHEAD: 421600, AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)	

TOTAL COST IN MILLIONS OF DOLLARS

COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2008			FY 2009			FY 2010					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SJ040	Service Change Kits														
	LAUNCHER														
	Catapults - CVN		1.124			1.764			0.588			0.600			
	VISUAL LANDING AIDS														
	Visual Landing Aids - CVN		1.759			3.016			1.062			1.581			
	Visual Landing Aids - ACS		0.827			0.000			1.685			1.042			
	RECOVERY														
	Arresting Gear - CVN		2.079			1.340			1.709			2.975			
	Helicopter Landing System (HLS) - ACS		0.300			0.183									
SJ261	MWS - L Class [1]	A	1.693	2	0.526	1.052	2	0.662	1.323	2	0.694	1.388			
SJ263	MWS-ACS	A								4	0.694	2.776			
SJ280	ARC CVN [2]	A	14.304	9	1.025	9.225	10	0.995	9.950	5	1.014	5.068			
SJ281	ARC Shorebased	A		1	1.368	1.368	2	1.456	2.912						
SJ300	AAG - CVN	B													
SJ301	AAG-Shorebased	B													
SJ302	ADMACS Block 2 [3]	B					3	1.658	4.973	3	2.288	6.864			
SJ303	ADMACS Block 3	B													
SJ800	Integrated Logistics Support		6.063			2.600			2.048			1.913			
SJ830	Production Engineering		17.406			7.722			5.725			5.726			
SJ860	Acceptance, Test & Evaluation					0.035									
SJ900	Installation - NFMP		6.329			3.689			4.484			5.850			
SJ910	Installation - FMP		23.157			6.606			9.766			12.887			
SJ990	Initial Training		1.019												
			76.060			**38.600**			**46.225**			**48.670**			

[1] MWS shipset is comprised of Sensors, High End Displays, Low End displays, WPUs, GUI kits, cables. Numbers of displays, etc vary depending on ship class/hull. Unit cost reflects component contract pricing.
[2] ARC CVN/Shorebased Unit cost varies based upon quantities procured.

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE: May 2009

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy BA-3 AVIATION SUPPORT EQUIPMENT	421600, Aircraft Launch and Recovery Equipment (ALRE)	Y3SJ

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST ($M)	LOCATION	RFP ISSUE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
MWS - L Class (SJ261)										
FY08	2	0.526	NAWCAD LKEHRST	2/08	C/FFP/IDIQ	Quality Performance Inc Fredericksburg VA	4/08	10/08	Yes	
FY09	2	0.662	NAWCAD LKEHRST	2/08	C/FFP/IDIQ	Quality Performance Inc Fredericksburg VA	12/08	10/09	Yes	
FY10	2	0.694	NAWCAD LKEHRST	2/08	C/FFP/IDIQ	Quality Performance Inc Fredericksburg VA	12/09	10/10	Yes	
MWS - ACS (SJ263)										
FY10	4	0.694	NAWCAD LKEHRST	2/08	C/FFP/IDIQ	Quality Performance Inc Fredericksburg VA	12/09	10/10	Yes	
ARC - CVN (SJ280)										
FY08	9	1.025	NAWCAD LKEHRST	2/02	C/FPI/IDIQ	Northrop Grumman Sykesville, MD	12/07	12/08	Yes	
FY09	10	0.995	NAWCAD LKEHRST	2/02	C/FPI/IDIQ	Northrop Grumman Sykesville, MD	12/08	12/09	Yes	
FY10	5	1.014	NAWCAD LKEHRST	2/02	C/FPI/IDIQ	Northrop Grumman Sykesville, MD	12/09	12/10	Yes	
ARC - Shorebased (SJ281)										
FY08	1	1.368	NAWCAD LKEHRST	2/02	C/FPI/IDIQ	Northrop Grumman Sykesville, MD	12/07	12/08	Yes	
FY09	2	1.456	NAWCAD LKEHRST	2/02	C/FPI/IDIQ	Northrop Grumman Sykesville, MD	12/08	12/09	Yes	
ADMACS Block 2 (SJ302)										
FY09	3	1.658	NAWCAD LKEHRST	5/08	SS/FFP	Five Rivers Services Colorado Springs, Co	07/09	05/10	Yes	
FY10	3	2.288	NAWCAD LKEHRST	5/08	SS/FFP	Five Rivers Services Colorado Springs, Co	12/09	10/10	Yes	

C= Competitive/ FFP= Firm fixed Price / IDIQ=Indefinite Delivery Indefinite Quantity

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Air Capable Ships TYPE MODIFICATION: Increase Capability/Safety MODIFICATION TITLE: Moriah Wind System - ACS SJ263

DESCRIPTION/JUSTIFICATION:

Moriah Wind System (MWS) provides digital wind speed and direction information, including crosswind and headwind, to support decision-making for air operations, combat, navigation, tactical planning, weapons employment and firefighting. MWS replaces the current Type F Wind Measuring and Indicating System. In addition, MWS displays Aircraft Recovery Bulletins (ARBs), Launch and Recovery Envelopes (LREs) and Vertical Short Take-off and Landing (VSTOL) Bulletin Data. The MWS replaces the current Type F Wind Measuring and Indicating System (WMIS), providing a single wind measuring system, consistent across all ship classes and shore stations. MWS consists of wind sensor units (WSU), a redundant wind processor unit (WPU), high-end displays (HED) and low-end displays (LED).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: FRP Aug 2006

	Prior Years		FY 2008		FY 2009		FY 2010														TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$													QTY	$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
INSTALLATION KITS							4	2.776													4	2.776
INSTALLATION KITS - UNIT COST								0.694														0.694
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS								0.170														0.170
PE								0.443														0.443
ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST							AP	0.759														0.759
TOTAL PROCUREMENT								4.148														4.148

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: Air Capable Ships MODIFICATION TITLE: Moriah Wind System -ACS SJ263

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Shipyard/AIT
ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 10 months
CONTRACT DATES: FY 2008: FY 2009: FY 2010: 12/09
DELIVERY DATE: FY 2008: FY 2009: FY 2010: 10/10

($ in Millions)

Cost:	Prior Years			FY 2008		FY 2009		FY 2010													Total	
	Qty	$	Qty	$	Qty	$	Qty	$													Qty	$
INSTALLATION SUPPORT																						
PRIOR YEARS																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT							AP	0.759													0	0.759
FY 2011 EQUIPMENT																					0	0.000
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																					0	0.000
FY 2014 EQUIPMENT																					0	0.000
FY 2015 EQUIPMENT																					0	0.000
TO COMPLETE																					0	0.000
TOTAL INSTALL COST			0	0.000	0	0.000	0	0.759	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.759

INSTALLATION SCHEDULE:

	FY 2007 & Prior	FY 2008				FY 2009				FY 2010												TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4									
In	0	0	0	0	0	0	0	0	0	0	0	0	0									0
Out	0	0	0	0	0	0	0	0	0	0	0	0	0									0

Total OPN Inventory Objective for this modification is 126.
Note: AP is advanced planning for installation.

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

The ARC program, previously planned as Mark 7 S/C439 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 accomplish the objectives of the FY 2001 CV Operational Advisory Group (OAG) Priority #12 Arresting Gear Improvements and CV OAG Air Department Priority #3 to restore margins of safety to the MK7 Arresting Gear System. The new system will also reduce system life cycle cost by reducing "O" level maintenance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone C May-2006

	Prior Years		FY 2008		FY 2009		FY 2010														TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$													QTY	$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		25.781																				
PROCUREMENT																						
INSTALLATION KITS	14	14.304	9	9.225	10	9.950	5	5.068													38	38.547
INSTALLATION KITS - UNIT COST		1.022		1.025		0.995		1.014														1.014
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS		1.013		0.690		0.389		0.351														2.443
PE		3.415		1.606		1.022		0.876														6.919
ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST	9	3.131	5	1.864	9	3.377	10	3.168													33	11.540
TOTAL PROCUREMENT		21.863		13.385		14.738		9.463														59.449

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: Mk7 Mod 2,3,4 MODIFICATION TITLE: Advanced Recovery Control System - CVN SJ280

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Shipyard/AIT
ADMINISTRATIVE LEADTIME: 3 months PRODUCTION LEADTIME: 12 months
CONTRACT DATES: FY 2008: 12/07 FY 2009: 12/08 FY 2010: 12/09
DELIVERY DATE: FY 2008: 12/08 FY 2009: 12/09 FY 2010: 12/10

($ in Millions)

Cost:	Prior Years		FY 2008		FY 2009		FY 2010														Total	
	Qty	$	Qty	$	Qty	$	Qty	$													Qty	$
INSTALLATION SUPPORT																						
PRIOR YEARS	9	3.131	5	1.445																	14	4.576
FY 2008 EQUIPMENT			AP	0.419	9	2.949															9	3.368
FY 2009 EQUIPMENT					AP	0.428	10	2.949													10	3.377
FY 2010 EQUIPMENT							AP	0.219													0	0.219
FY 2011 EQUIPMENT																					0	0.000
FY 2012 EQUIPMENT																					0	0.000
FY 2013 EQUIPMENT																					0	0.000
FY 2014 EQUIPMENT																					0	0.000
FY 2015 EQUIPMENT																					0	0.000
TO COMPLETE																						
TOTAL INSTALL COST	9	3.131	5	1.864	9	3.377	10	3.168	0	0.000	0	0.000	0	0.000	0	0.000					33	11.540

INSTALLATION SCHEDULE:

	FY 2007 & Prior	FY 2008				FY 2009				FY 2010														TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4											
In	9	5	0	0	0	5	4	0	0	5	5	0	0											33
Out	9	0	0	0	5	0	0	5	4	0	5	0	5											33

Total OPN Inventory Objective for this modification is 38.
Note: AP is advanced planning for installation.

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ADMACS Block 2 TYPE MODIFICATION: Increase Capability/Safety MODIFICATION TITLE: ADMACS Block 2 Upgrade SJ302

DESCRIPTION/JUSTIFICATION:

The Aviation Data Management and Control System (ADMACS) grew out of the Aviation Weapons Information Management System (AWIMS) initiative. ADMACS is an integrated, network-centric, shipboard aviation operations information management system, which will provide data required for CVN aviation operations planning, execution, and readiness assessment . Block 2 is the third incremental development in this integration program.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: DT-IIA 3Q2008, OT & MS-C 3Q2009

	Prior Years		FY 2008		FY 2009		FY 2010		TOTAL	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)										
RDT&E		12.910		1.725		1.380				16.015
PROCUREMENT										
INSTALLATION KITS					3	4.973	3	6.864	6	11.837
INSTALLATION KITS - UNIT COST						1.658		2.288		1.973
INSTALLATION KITS NONRECURRING										
EQUIPMENT										
EQUIPMENT NONRECURRING										
ENGINEERING CHANGE ORDERS										
Productionized RDT&E Test Article										
TRAINING EQUIPMENT										
SUPPORT EQUIPMENT										
ILS						0.177		0.181		0.358
PE						0.600		0.814		1.414
ATE										
INTERIM CONTRACTOR SUPPORT										
INSTALL COST					AP	0.886	3	4.457	3	5.343
TOTAL PROCUREMENT						6.636		12.316		18.952

ADMACS Block 2 (SJ302) Unit cost consists of 2 ships and 1 lab unit in FY09.

P3A (Continued) **INDIVIDUAL MODIFICATION (Continued)**

MODELS OF SYSTEMS AFFECTED: ADMACS Block 2 MODIFICATION TITLE: ADMACS Block 2 Upgrade SJ302

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Shipyard/AIT
ADMINISTRATIVE LEADTIME: 10 months PRODUCTION LEADTIME: 10 months
CONTRACT DATES: FY 2008: FY 2009: 7/09 FY 2010: 12/09
DELIVERY DATE: FY 2008: FY 2009: 5/10 FY 2010: 10/10

($ in Millions)

Cost:	Prior Years		FY 2008		FY 2009		FY2010														Total	
	Qty	**$**	Qty	$	Qty	$	Qty	$													Qty	$
PRIOR YEARS																						
FY 2007 EQUIPMENT																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT					AP	0.886	3	3.642													3	4.528
FY 2010 EQUIPMENT							AP	0.815													0	0.815
FY 2011 EQUIPMENT																					0	0.000
FY 2012 EQUIPMENT																						
FY 2013 EQUIPMENT																						
FY 2014 EQUIPMENT																						
FY 2015 EQUIPMENT																						
TO COMPLETE																						
TOTAL INSTALL COST		0.000		0.000		0.886	3	4.457	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	3	5.343

INSTALLATION SCHEDULE:

	FY 2007 & Prior	FY 2008 1	2	3	4	FY 2009 1	2	3	4	FY 2010 1	2	3	4								TOTAL
In	0	0	0	0	0	0	0	0	0	0	0	2	1								3
Out	0	0	0	0	0	0	0	0	0	0	0	1	2								3

Note: AP is advanced planning for installation.

BUDGET ITEM JUSTIFICATION SHEET								DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOMENCLATURE 4226 METEOROLOGICAL EQUIPMENT				SUBHEAD 53SP	
	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	TO COMP	TOTAL
QUANTITY										
COST (in millions)	16.625	24.669	21.458							
Initial Spares (in millions)	0.710	0.796	0.246							

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations, all Navy ships, Fleet Marine Force (FMF) units 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) (SP051): Environmental satellite receivers 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.

Tactical Environmental Support System/Naval Integrated Tactical Environmental Subsystem (TESS/NITES) Upgrades (SP190): Procures mobile workstations, servers, input/output control devices, software and integration services to support the evolutionary acquisition of TESS/NITES capabilities and Navy Service Oriented Architecture. The FY10 funding decrease is due to an evolutionary change in in the concept of operations of the Next Generation of the TESS/NITES program, from an integrated hardware and software ship and shore based system, to a software only Navy Service Oriented Architecture based solution.

Hazardous Weather Detection and Display Capability (HWDDC) (SP200): The HWDDC is a Weather Radar Through-the-Sensor (WRTTS) technology that provides near real-time severe weather information (thunderstorms, high winds, turbulence, etc.) to ship personnel. HWDDC is a key safety of aviation and navigation enabler and also supports efficient planning and execution of aircraft and small boat launch/recovery operations. The HWDDC technology will be integrated into the AN/SPS-48 three-dimensional (3D) FRESCAN (Frequency Scan) air search and weapons control radar Program managed by PEO Integrated Warfare Systems (IWS).

Fleet Marine Force (FMF) Meteorological Equipment (SP300): Meteorological equipment required to maintain, upgrade, and replace the Meteorological Mobile Facility Replacement (METMF(R)).

USMC Meteorological Mobile Facility (Replacement) Next Generation (METMF(R) NEXGEN) (SP350): Production of the Next Generation, portable, armored METMF(R) with a modular, scalable, fully integrated, network-centric, system capable of automatic data acquisition from secure and unsecured communications channels providing METOC data, mesoscale (NOWCAST) modeling, meteorological satellite, meteorological Doppler radar, upper air observation, local and remote meteorological sensors. The METMF(R) NEXGEN is equipped to enhance Marine Air-Ground Task Force (MAGTF) operational capability world wide and requires increased mobility and tactical flexibility to support the MAGTF and Combatant Commander (COCOM) Battlespace Sensing Strategy.

BUDGET ITEM JUSTIFICATION SHEET		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY	**P-1 ITEM NOMENCLATURE**	**SUBHEAD**
OP,N - BA3 AVIATION SUPPORT EQUIPMENT	4226 METEOROLOGICAL EQUIPMENT	53SP

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

National Polar-orbiting Operational Satellite System (NPOESS) Readiness (SP400): National Polar-orbiting Operational Satellite System (NPOESS) Readiness: Beginning in FY 2009, readiness for NPOESS will require the procurement and installation of software and hardware products necessary to accommodate the significantly increased data stream from NPOESS as compared with the current Defense Meteorological Satellite Program (DMSP) and the Polar-orbiting Operational Environmental Satellite (POES) which NPOESS replaces. The Navy Production Centers at Fleet Numerical Meteorology and Oceanography Center (FNMOC), Monterey, CA, and the Naval Oceanographic Office (NAVOCEANO), Stennis Space Center, MS, will require upgrades of their Storage Area Networks (SAN) and increased processing capability for their assimilation, analysis and forecasting systems. Upgrades to existing tactical receivers are also required to extend their life and to receive and process the new downlinks from NPOESS.

Meteorological and Oceanographic Surface-based Atmospheric Sensing Capabilities (METOC SASC) Upgrades (SP550): Government Off-The-Shelf/Commercial Off-The-Shelf (GOTS/COTS) hardware and associated software upgrades for installed METOC atmospheric sensing systems such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), Supplemental Weather Radar (SWR) and procurement of the follow-on upper air sensing system replacement for the out-of-production Mini-Rawin System (MRS). The follow-on system replacement is for MRS installed on Navy CVs, LHAx, and LPDs. Procurement under this project will provide required system hardware and software upgrades developed by the lead agency (in most cases, the National Weather Service). Procurements made under this project are essential to the continued support of Naval Aviation operations.

Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) (SP600): Procures Unmanned Undersea Vehicle (UUVs) ocean sensor systems beginning in FY 2010. These include powered, short duration (~days) Autonomous Undersea Vehicles (AUVs) and long duration (~months) buoyancy driven Ocean Gliders which carry sensors that characterize the ocean bottom (bathymetry, imagery, sediments, etc.) and measure ocean volume parameters (conductivity, temperature, depth, optics, currents, etc.). These vehicles are preprogrammed with mission profiles and once launched are totally autonomous. The increase in funding in FY10 is due to the planned transition from Low Rate Initial Production (LRIP) to Full-Rate Production (FRP).

Installation of Equipment - Installation efforts include plans, site surveys, Base Electronic System Engineering Plans (BESEPs), equipment installation and checkout for Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17).

COST ANALYSIS															DATE May 2009
APPROPRIATION ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT												SUBHEAD 53SP			
			PY	FY 2008			FY 2009			FY 2010			FY 2011		
COST CODE	ELEMENT OF COST	ID CODE	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)[1]	A		18	Var	993	23	Var	1,101	22	Var	1,194			
SP190	TESS/NITES Upgrades[2]	A		189	Var	4,329	195	Var	5,360						
SP200	Hazardous Weather Detection & Display Capability (HWDDC)	A								12	142	1,704			
SP300	Met Equipment (METMF(R)) Upgrades[3]	A		12	Var	2,738	12	Var	7,341						
SPGWT	(METMF(R)) GWOT (Global War On Terrorism) Funding	A		12	Var	4,884									
SP350	USMC Meteorological Mobile Facility (Replacement) Next Generation (METMF(R) NEXGEN)[6]	A								3	2,300	6,900			
SP400	National Polar-orbiting Operational Environmental Satellite System (NPOESS) Readiness[4]	A					Var	Var	4,143	Var	Var	2,387			
SP550	METOC SASC (formerly Aviation Safety) Upgrades[5]	A		26	Var	3,079	71	Var	4,330	28	Var	4,388			
SP555	**Production Support [6]**								**1,600**			**2,030**			
SP600	Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) [6]	A													
	Littoral Battlespace Sensors - Gliders (LBS-G) [6]									15	140	2,100			
	INSTALLATION					**602**			**794**			**755**			
SP776	Non-FMP					413			400			410			
SP777	FMP					189			394			345			
	TOTAL CONTROL					**16,625**			**24,669**			**21,458**			

Notes/Comments:

1. Cost Code SP051 - Quantities represent the number of systems (AN/SMQ-11 and AN/FMQ-17) upgraded annually. Upgrades are Hardware & Software refresh based on subsystem, site or platform.
2. Cost Code SP190 - Quantities represent the number of systems upgraded annually. Planned FY09 upgrades include all 189 mobile systems plus 2 METOC Production Centers (Fleet Numerical Meteorology and Oceanography Center (FNMOC) and the Naval Oceanographic Office (NAVOCEANO)), Maritime Operations Command (MOC), Integrated Shipboard Network System (ISNS) Increment 2, Global Combat Control System - Maritime (GCCS-M), and Global Combat Control System - Joint (GCCS-J) for a total of 195.
3. Cost Code SP300 - Quantities represent the number of systems upgraded annually. Upgrades are hardware and software refresh for all 12 operational systems.
4. Cost Code SP400 - Quantities and unit costs are various ("Var") because these procurements represent upgrades to the super computers at the 2 METOC Production Centers (Fleet Numerical Meteorology and Oceanography Center (FNMOC) and the Nava Oceanographic Office (NAVOCEANO)). Upgrades consist of data processing and communications hardware and vary annually dependent depending on the launch of each of the satellites in the NPOESS constellation.
5. Cost Code SP550 - Quantities represent the number of sites upgraded annually. Upgrades are GOTS/COTS) hardware and associated software for installed systems such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), Supplemental Weather Radar (SWR) and the Mini-Rawin System (MRS).
6. Cost Code SP555 (Production Support) is required for the METMF(R) NEXGEN (Cost Code SP350) and the LBS-UUV and LBS-G (Cost Code SP600) systems, neither of which require Installation hence there is no exhibit P-3A for those systems.

Exhibit P-5, Cost Analysis

Exhibit P-5A, Procurement History and Planning										DATE May 2009		
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT				P-1 ITEM NOMENCLATURE 4226 METEOROLOGICAL EQUIPMENT						SUBHEAD 53SP		
COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SP051	Satellite Receiver Upgrades (Space)[1,5]	09	Raytheon, VA	OPTION/FFP	SPAWAR	N/A	Oct-08	Jul-09	23	Var	YES	N/A
		10	Raytheon, VA	OPTION/FFP	SPAWAR	N/A	Oct-09	Jul-10	22	Var	YES	N/A
SP190	TESS/NITES Upgrades[2,5]	08	GD-IT, VA	CPAF	SPAWAR	N/A	Nov-07	Oct-08	189	Var	YES	N/A
		09	GD-IT, VA	CPAF	SPAWAR	N/A	Nov-08	Oct-09	195	Var	YES	N/A
SP200	Hazardous Weather Detection & Display Capability (HWDDC)	10	ITT ESRS Gillfillan, CA	CPFF/FFP	NAVSEA	Sep-09	TBD	TBD	12	142	YES	N/A
SP300	Met Equipment (METMF(R)) Upgrades[3,5,6]	08	Var	Var	SSC-SD	N/A	N/A	N/A	12	Var	YES	N/A
		09	Var	Var	SSC-SD	N/A	N/A	N/A	12	Var	YES	N/A
SP350	USMC Meteorological Mobile Facility (Replacement) Next Generation (METMF(R) NEXGEN)	10	TBD	OPTION/FFP	SPAWAR	Sep-09	Jul-10	Jan-11	3	2,300	YES	N/A
SP550	METOC SASC (formerly Aviation Safety) Upgrades[4,5,6]	08	Var	Var	SSC-CH	N/A	N/A	N/A	26	Var	YES	N/A
		09	Var	Var	SSC-CH	N/A	N/A	N/A	71	Var	YES	N/A
		10	Var	Var	SSC-CH	N/A	N/A	N/A	28	Var	YES	N/A
SP600	Littoral Battlespace Sensors - Unmanned Undersea Vehicles (LBS-UUV) Littoral Battlespace Sensors - Gliders (LBS-G)	10	TBD	OPTION/FFP	SPAWAR	May-09	Nov-09	Jan-10	15	140	YES	N/A

Notes/Comments:

1. Cost Code SP051 - Quantities represent the number of systems (AN/SMQ-11 and AN/FMQ-17) upgraded annually. Upgrades are Hardware & Software refresh based on subsystem, site or platform.
2. Cost Code SP190 - Quantities represent the number of systems upgraded annually. Planned FY09 upgrades include all 189 mobile systems plus 2 METOC Production Centers (Fleet Numerical Meteorology and Oceanography Center (FNMOC) and the Naval Oceanographic Office (NAVOCEANO)), Maritime Operations Command (MOC), Integrated Shipboard Network System (ISNS) Increment 2, Global Combat Control System - Maritime (GCCS-M), and Global Combat Control System - Joint (GCCS-J) for a total of 195.
3. Cost Code SP300 - Quantities represent the number of systems upgraded annually. Upgrades are hardware and software refresh for all 12 operational systems.
4. Cost Code SP550 - Quantities represent the number of sites upgraded annually. Upgrades are GOTS/COTS) hardware and associated software for installed systems such as Next Generation Radar (NEXRAD), Automated Surface Observing System (ASOS), Supplemental Weather Radar (SWR) and the Mini-Rawin System (MRS).
5. Unit costs are various ("Var") due to the differing components required for each system/subsystem upgrade.
6. "Contractor and Location" and "Contract Method & Type" are various ("Var") because the differing components required for each system/subsystem upgrade are supplied by multiple commercial vendors and integrated into each system/subsystem by the SPAWAR System Centers (Charleston, SC & San Diego, CA).

May 2009

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP)
COST CODE SP051
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, and comply with open systems architecture standards.

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

	PY		FY 08		FY 09		FY 10		FY 11		FY 12		FY 13		FY 14		FY 15		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment		2.373		0.249		0.505		0.507														
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support		0.075																				
DSA																						
Interim Contractor Support																						
Installation of Hardware	117	1.786	5	0.189	11	0.394	10	0.345														
PRIOR YR EQUIP	117	1.786																				
FY 07 EQUIP																						
FY 08 EQUIP			5	0.189																		
FY 09 EQUIP					11	0.394																
FY 10 EQUIP							10	0.345														
FY 11 EQUIP																						
FY 12 EQUIP																						
FY 13 EQUIP																						
FY 14 EQUIP																						
FY 15 EQUIP																						
FY TC EQUIP																						
TOTAL INSTALLATION COST		1.786		0.189		0.394		0.345		0.000		0.000		0.000		0.000		0.000				
TOTAL PROCUREMENT COST		4.234		0.438		0.899		0.852		0.000		0.000		0.000		0.000		0.000				

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEAD-TIME: 1 month PRODUCTION LEAD-TIME: 9 month

CONTRACT DATES: FY 2008: FY 2009: Oct-08 FY 2010: Oct-09 FY 2011:

DELIVERY DATES: FY 2008: FY 2009: Jul-09 SMQ-11 Jan-0 FMQ-17 FY 2010: Jul-10 SMQ-11 Jan-1 FMQ-17 FY 2011:

INSTALLATION SCHEDULE:	PY	FY 09 1	2	3	4	FY 10 1	2	3	4	FY 11 1	2	3	4	FY 12 1	2	3	4
INPUT	122				5	6			5								
OUTPUT	122					5	6										

INSTALLATION SCHEDULE:	FY 13 1	2	3	4	FY 14 1	2	3	4	FY 15 1	2	3	4	TC	TOTAL
INPUT														
OUTPUT														

Notes/Comments
1/ The complete buy of FCIII procurements occured in FY06 with hardware installs completed by FY09 due to CNO availabilities. Beginning in FY08 the installs are software upgrades.
2/ Procurement quantities are dependent on site or platform types. Installation quantities reflect number of sites/platforms.

Exhibit P-3a, Individual Modification Program

May 2009

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE)
COST CODE SP051
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, and comply with open systems architecture standards.

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

	PY		FY 08		FY 09		FY 10		FY 11		FY 12		FY 13		FY 14		FY 15		TC		Total	
	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$	Qty	$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment		1.191		0.744		0.596		0.687														
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support																						
DSA																						
Interim Contractor Support																						
Installation of Hardware	111	1.073	13	0.413	12	0.400	12	0.410														
PRIOR YR EQUIP	111	1.073																				
FY 07 EQUIP																						
FY 08 EQUIP			13	0.413																		
FY 09 EQUIP					12	0.400																
FY 10 EQUIP							12	0.410														
FY 11 EQUIP																						
FY 12 EQUIP																						
FY 13 EQUIP																						
FY 14 EQUIP																						
FY 15 EQUIP																						
FY TC EQUIP																						
TOTAL INSTALLATION COST		1.073		0.413		0.400		0.410		0.000		0.000		0.000		0.000		0.000				
TOTAL PROCUREMENT COST		2.264		1.157		0.996		1.097		0.000		0.000		0.000		0.000		0.000				

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEAD-TIME: 1 month PRODUCTION LEAD-TIME: SMQ-11 = 9 months
FMQ-17 = 3 months

CONTRACT DATES: FY 2008: FY 2009: Oct-09 FY 2010: Oct-09 FY 2011:

DELIVERY DATES: FY 2008: FY 2009: Jul-09 SMQ-11 FY 2010: Jul-09 SMW-11 FY 2011:
Jan-09 FMQ-17 Jan-09 FMQ-17

INSTALLATION SCHEDULE:	PY	FY 09 1	FY 09 2	FY 09 3	FY 09 4	FY 10 1	FY 10 2	FY 10 3	FY 10 4	FY 11 1	FY 11 2	FY 11 3	FY 11 4	FY 12 1	FY 12 2	FY 12 3	FY 12 4
INPUT	124			3	9			3	9								
OUTPUT	124				3	9			3								

INSTALLATION SCHEDULE:	FY 13 1	FY 13 2	FY 13 3	FY 13 4	FY 14 1	FY 14 2	FY 14 3	FY 14 4	FY 15 1	FY 15 2	FY 15 3	FY 15 4	TC	TOTAL
INPUT														
OUTPUT														

Notes/Comments
1/ Procurement quantities are dependent on site or platform types. Installation quantities reflect number of sites/platforms.

Exhibit P-3a, Individual Modification Program

Exhibit P-21 Production Schedule (page 2) | Date May 2009

Appropriation/Budget Activity: OP,N - BA3 AVIATION SUPPORT EQUIPMENT | P-1 Item Nomenclature: 4226 METEOROLOGICAL EQUIPMENT | Subhead: 53SP

COST CODE	ITEM/MANUFACTURER	FY	SERV	PROC QTY	ACCEP PRIOR TO 2-Oct	BAL DUE AS OF 2-Oct	FISCAL YEAR 08												FISCAL YEAR 09												FISCAL YEAR 10												FISCAL YEAR 11											
							07			CALENDAR YEAR 08										CALENDAR YEAR 09												CALENDAR YEAR 10												CALENDAR YEAR 11											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SP350	METMF(R) NEXGEN	10		3		3																											A							1	1	1										
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP

ITEM	Manufacturer's Name and Location	PRODUCTION RATE[2] MSR	1-8-5	MAX	PROCUREMENT LEADTIMES ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
METMF(R) NEXGEN[2]	TBD	N/A	N/A	N/A	N/A	N/A	N/A	N/A		

Notes:
1. Includes METMF(R) NEXGEN Systems and 1 Training Variant.
2. METMF(R) NEXGEN is a COTS/GOTS procurement, there is no MSR or MAX.

Exhibit P-21 Production Schedule

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: **May 2009**					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **424200, DCRS/DPL**					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY2010 OCO	FY2010 TOTAL					
Quantity												
Cost ($M)	85.1	A	1.5	1.6	1.6		1.6					
Initial Spares ($M)			0.1	0.1	0.4		0.4					
Total ($M)			1.6	1.7	2.0		2.0					
Unit Cost ($M)												

DESCRIPTION:

DCRS/DPL The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional film technology to digital imagery echnology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). As such, there are two systems supported by the 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 is a one rack system with a multiple PC workstation for video editing and playback, media receptacles for aircraft data transfer devices, 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 hard mounted 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, the DCRS/DPL program will continue to update the shipboard imagery equipment with digital imagery technology.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: **May 2009**						
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **424200, DCRS/DPL**						
Procurement Items	ID Code	Prior Years	FY 2008	FY 2009	FY 2010								
SX020 DIGITAL PHOTO LAB WORKCENTER													
Quantity	A	55	3	3	3								
Funding		7,779	428	434	428								
SX021 DIGITAL SLR COLOR CAMERA													
Quantity	A	117	10	10	10								
Funding		2,472	50	51	52								
SX100 DIGITAL CAMERA RECEIVING STATION													
Quantity	A	48	3	3	3								
Funding		7,716	508	566	533								
Other Costs		67,166	511	547	569								
Total P-1 Funding		85,133	1,497	1,598	1,582								

Note: Totals may not add due to rounding

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: May 2009					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** **BA 3 - AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **424400, AVIATION LIFE SUPPORT**					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years *	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY 2010 TOTAL					
Quantity												
Cost ($M)	**120.8**		**17.9**	**21.6**	**27.4**	**17.9**	**45.3**					
Initial Spares ($M)												
Total ($M)												
Unit Cost ($M)												

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.

COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060
- CSEL has been designated as an ACAT III Joint Service Program with the USAF as lead service. 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-sight voice and beacon capability to support survival, evasion, and personnel recovery operations. 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. (OMNIBUS SUPPLEMENTAL $3M) (Baseline and OCO)

CSEL WORKSTATION - SY061
- CSEL workstations are used to communicate with the CSEL radio. Delay of CSEL Web Application Workstation has required the current hardware workstation to be retained in service longer than planned. This has also required additional Hardware workstations to be installed on CVN's than initially planned. OCO Funding will procure and install 5 addidtional CSEL workstations. (OCO)

AN/URT-140 RADIO BEACON - SY062
- URT-140 Radio Beacons are required on all NACES ejection seats to aid in the location of aircrew after ejection from the aircraft. Due to increased numbers of F/A-18 being procured, initial Inventory Objective would not support outfitting of all aircraft. The additional URT-140 beacons would ensure 406 beacon capability for all deployed ejection seat aircraft. This funding was requested as part of the CSEL OCO requirement. (OCO)

Note: *Prior Year Total Costs do not include Elements of Cost that are no longer funded in FDYP.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** **BA 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **424400, AVIATION LIFE SUPPORT**

JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPV) - SY085
- JALEPV has been designated as an ACAT IVM Joint Program with the Navy as the lead service. 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 LEP (visor or spectacle or goggle format) 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.

BODY ARMOR - SY120
-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. Existing Personal Protective Body Armor, survival gear and seats support a limited environmental condition and shorter mission lengths. Aircrew are suffering from fatique and de-hydration in extreme climates and extended missions which negatively impact their mission. FY 2008 funding total includes $0.750M received in provision L of the Consolidated Appropriations Act, 2008 (P.L. 110-161).

*AIRCREW ENDURANCE (AE) - SY125
-AE is a proposed abbreviated acquisition program. The program is comprised of a number of components to improve endurance in flights of longer duration: survival vests and body armor design, sizing, compatibility, durability and color improvements; hydration systems; mission extender devices to address physical waste needs; and improved universal camouflage to the Marine Corps coyote color schemes. These improvements will address issues associated with heat stress, physical fatigue, safety and loss of mobility on long duration missions. FY 2009 procures 495 Aircrew Mission Extender Devices, FY 2010 procures 154 Survivial Vest, and FY2010 OCO procures 9,200 Survival Kits. (CONGRESSIONAL ADD of $2M in FY09)

MULTI-CLIMATE PROTECTION SYSTEMS (MCP) - SY146
-MCP is an abbreviated acquisition program. The program is 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. (CONGRESSIONAL ADD OF $2M in FY08 and FY09)

AN/AVS-9 IMAGE INTENSIFIER (AN/AVS-9) - SY212
- Funding will procure 281 Night Vision Goggles (NVGs) to outfit recently added USMC MV-22 and H-1 squadrons due to change in force construct that currently cannot be provisioned with existing NVG inventory. Interoperability in joint operations mandates the procurement and incorporation of enhanced night vision capabilities. With 70% of flight operations conducted at night, failure to provide USMC aircrew with this mission essential equipment will seriously impact sortie completion rates and aircrew situational awareness. Will additionally procure 5600 tilt lock modifications required for the entire AN/AVS Rotary Wing inventory. (OCO)

Note: Aircrew Endurance is a multi-commodity line that encompasses different products. Multiple products may procured each fiscal year.
The OCO request for survival equipment upgrade is separate from the baseline products to be funded.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** **BA 3 - AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE **424400, AVIATION LIFE SUPPORT**

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 40 degree 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. (OMNIBUS SUPPLEMENTAL $1.2M)

ANV-6 SURVIVAL NIGHT VISION SCOPES (SNVS) - SY216

-Survival Night Vision Scopes (SNVS), Model F6015S, are made by reutilizing the optics (eyepiece and objective lens assemblies) and image tubes from AN/AVS-6 Night Vision Goggles (NVGs) turned in by the fleet and a kit which consists of a housing with an infrared LED, lens caps and neck lanyard. Two SNVS systems are made from one AN/AVS-6 NVG. The SNVS will provide night vision capability for survival, escape and evasion for TACAIR and rotary-wing operators as NVGs are designed to break-away during emergency egress.

FLIGHT DECK CRANIAL w/ HEARING PROTECTION- SY505

-This is a lightweight head protection device that incorporates state of the art advancements in hearing protection, speech intelligibility, impact protection, is compatible with Night Vision Devices, Chemical/Biological/Radiological clothing, and necessary eye protection. It has improved maintainability and durability that is comfortable to wear for long periods of time, easily cleaned, fits the 5th to 95th percentile population and is not a Foreign Object Damage (FOD) source. In addition, it must interface with existing and planned flight deck communications systems. This program will accelerate fielding of improved acoustic headsets and deep-seated custom-molded earplugs. These products will greatly improve the level of hearing protection available to maintainers and aircraft handlers.

OTHER PROCUREMENT COST ANALYSIS **P-5**													DATE: **May 2009**		
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA 3 - AVIATION SUPPORT EQUIPMENT**			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **424400, AVIATION LIFE SUPPORT/43SY**											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SY060	CSEL (Note 1)	A	48,016	569	11.318	6,440	215	10.890	2,341	95	10.926	1,038	834	10.926	9,112
SY061	CSEL WORK STATIONS	A											5	39.200	196
SY062	AN/URT-140 BEACON RADIO	A											28	2.638	74
SY085	JALEPV	A	3,355				109	5.500	600	150	5.520	828			
SY120	BODY ARMOR	A		1,400	0.491	687									
SY125	AIRCREW ENDURANCE (Note 2)	B					495	5.200	2,574	154	4.403	678	9,200	0.458	4,211
SY146	MULTI-CLIMATE PROTECTION SYSTEM	A	9,955	2,000	1.500	3,000	1,752	1.734	3,037	187	1.588	297			
SY212	AN/AVS-9 IMAGE INTENSIFIER	A											5,881	0.729	4,290
SY215	JHMCS NIGHT VISION INTEGRATION	B		20	229.100	4,582	28	271.250	7,595	61	152.705	9,315			
SY216	SURVIVAL NIGHT VISION SCOPES (SNVS)	B					4,157	0.490	2,037						
SY505	FLIGHT DECK CRANIAL/HEARING PROTECTION	B								3,674	1.391	5,111			
SY830	PRODUCTION ENGINEERING SUPPORT (Note 3)		59,515			3,203			3,425			10,100			
			120,841			**17,912**			**21,609**			**27,367**			**17,883**

Note 1: Increase in 2008 CSEL unit costs is due inability to obligate through JPO contract vehicle and the purchase of CSEL support equipment
Note 2: Aircrew Endurance is a multi-commodity line that encompasses different products. Multiple products may procured each fiscal year.
Note 3: JHMCS NRE ECP will be conducted in FY10 ($8.1M). This cost has been placed in Production Engineering Support

PROCUREMENT HISTORY AND PLANNING P-5A								A. DATE May 2009		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA 3-AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT				SUBHEAD 43SY	
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
SY060 CSEL										
2006	2042	8.217	NAVAIR	12/2006	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	06/2008	05/2009	Yes	
2007	218	10.042	NAVAIR	12/2008	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	09/2008	08/2009	Yes	
2008	380	11.318	NAVAIR	04/2008	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	09/2008	08/2009	Yes	
2008	189	11.318	NAVAIR	04/2008	FFP	THE BOEING COMPANY, ANAHEIM, CA	02/2009	04/2010	Yes	
2009	215	10.890	NAVAIR	10/2008	FFP	THE BOEING COMPANY, ANAHEIM, CA	02/2009	04/2010	Yes	
2010 Baseline and OCO	929	10.926	NAVAIR	10/2009	FFP	THE BOEING COMPANY, ANAHEIM, CA	03/2010	02/2011	Yes	
SY061 CSEL WORKSTATIONS										
2010	5	39.2	NAVAIR	10/2009	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	03/2010	06/2010	Yes	
SY062 URT-140										
2010	28	2.638	NAVAIR	10/2009	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	03/2010	12/2010	Yes	
SY085 JALEPV										
2009	109	5.500	NAVAIR	01/2008	C-CPFF	TBD	10/2010	01/2011	No	08/2010
2010	150	5.520	NAVAIR	05/2010	SS-FPI	TBD	08/2011	12/2011	No	08/2010
SY120 BODY ARMOR										
2008	1400	0.491	NATICK, MA	03/2008	MIPR-D/C	XR W2DF REDCOM NATICK, MA	06/2008	09/2008	Yes	
SY125 AIRCREW ENDURANCE										
2009 **	495	5.200	AFMS/SMC	12/2008	C-FFP	Various	05/2009	08/2009	Yes	
2010 ***	154	4.403	AFMS/SMC	08/2009	C-FFP	Various	03/2010	05/2010	Yes	
2010 OCO ****	9200	0.458	NAWCADPAX	08/2009	C-FFP	Various	03/2010	06/2010	Yes	

D. REMARKS

*FFP - Firm Fixed Price, MILSTRIPS -Military Standard Requisition and Issue Procedures, IDIQ - Indefinite Delivery Indefinite Quantity, CPFF - Cost Plus Fixed Fee

FY 2009 procure 495 Aircrew Mission Extender Devices. * FY 2010 buys 154 Survivial Vest. **** FY2010 OCO buys 9,200 Survival Kits.

PROCUREMENT HISTORY AND PLANNING P-5A								A. DATE May 2009		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA 3-AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT				SUBHEAD 43SY	
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
SY146 MULTI-CLIMATE PROTECTION SYSTEM										
2008	2000	1.500	NAWCADPAX	08/2007	SS-FFP	PECKHAM VOC IND INC, LANSING MI	08/2008	02/2009	Yes	
2009	1752	1.734	NAWCADPAX	08/2008	SS-FFP	PECKHAM VOC IND INC, LANSING MI	02/2009	08/2009	Yes	
2010	187	1.588	NAWCADPAX	08/2009	SS-FFP	PECKHAM VOC IND INC, LANSING MI	02/2010	08/2010	Yes	
SY212 AN/AVS-9 IMAGE INTENSIFIER (AN/AVS-9)										
2010 OCO	5881	0.729	NSWC, CRANE	10/2009	C-IDIQ	ITT NIGHT VISION, ROANOKE VA	03/2010	09/2010	Yes	
SY215 JHMCS NIGHT VISION INTEGRATION										
2008	20	229.100	NAVAIR	06/2008	SS-FFP	VISION SYSTEMS INTL SAN JOSE CA	06/2009	04/2010	Yes	
2009	28	271.250	NAVAIR	01/2009	SS-FFP	VISION SYSTEMS INTL SAN JOSE CA	09/2009	07/2010	Yes	
2010	61	152.705	JPO WRIGHT PATTERSON AFB	10/2009	SS-FFP	VISION SYSTEMS INTL SAN JOSE CA	06/2010	02/2011	Yes	
SY216 SURVIVAL NIGHT VISION SCOPES (SNVS)										
2009	4157	0.490	NSWC, CRANE	N/A	MILSTRIP	VARIOUS	06/2011	02/2012	Yes	
SY505 FLIGHT DECK CRANIAL W/HEARING PROTECTION										
2010	3674	1.391	NAVAIR	08/2009	SS-FFP	TBD	02/2010	06/2010	No	07/2009

D. REMARKS

PRODUCTION SCHEDULE
P-21

DATE: **May 2009**

APPROPRIATION/BUDGET ACTIVITY
Other Procurement, Navy/BA 3-AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
424400, AVIATION LIFE SUPPORT

Item	Manufacturer's Name and Location	Production Rate MSR	Production Rate ECON	Production Rate MAX	Procurement Leadtimes ALT Prior to Oct 1	Procurement Leadtimes ALT After Oct 1	Procurement Leadtimes Initial Mfg PLT	Procurement Leadtimes Reorder Mfg PLT	Procurement Leadtimes Total	Unit of Measure
SY060, CSEL (2007 - 2009)	Boeing, North Americk, ANAHEIM, CA	600	3000	6000	7	5		14	19	E
SY060, CSEL (2010)	Boeing, North Americk, ANAHEIM, CA	60	300	600	7	6		11	17	E
SY215, JHMCS NIGHT VISION INTEGRATION	Vision Systems, SAN JOSE, CA	24	240	480	3	9		8	17	E
SY505 FLIGHT DECK CRANIAL/HEARING	TBD	2400	6000	12000	7	5	4	4	9	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008 / 2007 OCT	2007 NOV	2007 DEC	CALENDAR YEAR 2008 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 2009 OCT	NOV	DEC	CALENDAR YEAR 2009 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
SY060, CSEL/Boeing	06	N	2042	0	2042									A											170	170	170	170	170	1192
SY060, CSEL/Boeing	07	N	218	0	218												A											18	18	182
SY060, CSEL/Boeing	08	N	380	0	380												A											38	38	304
SY060, CSEL/Boeing	08	N	189	0	189																	A								189
SY060, CSEL/Boeing	09	N	215	0	215																	A								215
SY215, JHMCS NIGHT VISION INTEGRATION	08	N	20	0	20																					A				20
SY215, JHMCS NIGHT VISION INTEGRATION	09	N	28	0	28																								A	28
SY215, JHMCS NIGHT VISION INTEGRATION	09	AF	62	0	62																								A	62

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010 / 2009 OCT	2009 NOV	2009 DEC	CALENDAR YEAR 2010 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 2011 OCT	NOV	DEC	CALENDAR YEAR 2011 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
SY060, CSEL/Boeing	06	N	2042	850	1192	170	170	170	170	170	171	171																		0
SY060, CSEL/Boeing	07	N	218	36	182	18	18	18	18	18	18	18	18	19	19															0
SY060, CSEL/Boeing	08	N	380	72	304	38	38	38	38	38	38	38	38																	0
SY060, CSEL/Boeing	08	N	189	0	189							75	75	39																0
SY060, CSEL/Boeing	09	N	215	0	215							75	75	65																0
SY060, CSEL/Boeing	10	N	929	0	929						A											101	101	101	96	76	76	76	76	226
SY215, JHMCS NIGHT VISION INTEGRATION	08	N	20	0	20							1	1	3	3	3	3	3	3											0
SY215, JHMCS NIGHT VISION INTEGRATION	09	N	28	0	28										1	2	3	3	4	4	4	5	2							0
SY215, JHMCS NIGHT VISION INTEGRATION	09	AF	62	0	62										2	2	3	3	4	4	4	5	8	10	12	5				0
SY215, JHMCS NIGHT VISION INTEGRATION	10	N	61	0	61									A								3	6	6	6	6	6	6	6	16
SY215, JHMCS NIGHT VISION INTEGRATION	10	AF	146	0	146									A								4	6	8	8	10	12	12	14	72
SY505 FLIGHT DECK CRANIAL/HEARING	10	N	3674	0	3674					A				307	307	306	306	306	306	306	306	306	306	306	306					0

Remarks:

PRODUCTION SCHEDULE **P-21**										DATE **May 2009**	
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA 3-AVIATION LIFE SUPPORT EQUIPMENT**										P-1 ITEM NOMENCLATURE **424400, AVIATION LIFE SUPPORT**	
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		Unit of Measure
SY060, CSEL (2010)	Boeing, North Americk, ANAHEIM, CA	60	300	600	7	6		11	17		E
SY215, JHMCS NIGHT VISION INTEGRATION	Vision Systems, SAN JOSE, CA	24	240	480	3	9	8	8	17		E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2012												FISCAL YEAR 2013												BAL
						2011			CALENDAR YEAR 2012									CALENDAR YEAR 2013												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY060, CSEL/Boeing	10	N	929	703	226	76	76	74																					0
SY215, JHMCS NIGHT VISION INTEGRATION	10	N	61	45	16	6	6	4																					0
SY215, JHMCS NIGHT VISION INTEGRATION	10	AF	146	74	72	16	16	18	22																				0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2014												FISCAL YEAR 2015												BAL
						2013			CALENDAR YEAR 2014									CALENDAR YEAR 2015												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

CLASSIFICATION:	UNCLASSIFIED	
Exhibit P-40, BUDGET ITEM JUSTIFICATION		DATE May 2009
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 3**	P-1 LINE ITEM NOMENCLATURE AIRBORNE MINE COUNTERMEASURES **SUBHEAD NO. 73S0 BLI: 4248**	
Program Element for Code B Items 0604373N	Other Related Program Elements 0204302N	

	Prior Years	ID Code		FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	To Complete	Total
Quantity	0			0	0	0						0
COST (In Millions)	108.1	B		52.0	28.9	55.4						
SPARES COST (In Millions)	10.1	0		4.6	3.5	3.6						

PROGRAM DESCRIPTION/JUSTIFICATION:

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 three categories -- minesweeping, minehunting and mine neutralization. (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). (3) Then 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, identify and neutralize moored, surface and bottom mines.

Note: for program procurement completeness, the Littoral Combat Ships (LCS) Mission Modules are procured under BLI 1600

S0020 MOD/PROD

Funds provided are for the modification and product improvements of systems to accommodate replacement of subsystems/components because of obsolescence. ECPs are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.

S0065 AMNS

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.

Note: for program procurement completeness, the LCS Mission Modules are procured under BLI 1600

S0074 AN/AQS-20A

AN/AQS-20A (AN/AQS-20/X) 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 requirements for mine identification and to integrate AMCM systems with a MH-60S platform and the Remote Mine Hunting System (RMS).

Note: for program procurement completeness, the LCS Mission Modules are procured under BLI 1600

S0075 ALMDS

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 mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems. LRIP Lot 2(3 units) awarded in March 2008.

Note: for program procurement completeness, the LCS Mission Modules are procured under BLI 1600

S0090 OAMCM SUPPORT EQUIPMENT

Organic Airborne Mine Countermeasure (OAMCM) Support Equipment

OPMA - Organic Post 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.

Surface Navy Integrated Undersea Tactical Technology (SNIUTT) will be integrated with an AN/SQQ-32, AN/AQS-14, AN/AQS-24, AN/AQS-20A and future OAMCM sensor training modules.

Organic Reeling Cable Assemblies (ORCA) - Rewind equipment for the towed OAMCM systems (AN-AQS-20A, AMNS, and OASIS)

CLASSIFICATION:	UNCLASSIFIED											
EXHIBIT P-5 COST ANALYSIS			Weapon System								DATE May 2009	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 3**			ID Code	P-1 LINE ITEM NOMENCLATURE **AIRBORNE MINE COUNTERMEASURES** **SUBHEAD NO. 73S0**								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS									
			Prior Years	FY 2008			FY 2009				FY 2010	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	EQUIPMENT											
S0020	MODIFICATION	A	14.111	0	0.000	6.429	0	0.000	8.401	0	0.000	5.712
S0065	UNIT COST - AMNS											
	AMNS	B	2.329	2	2.273	4.546	4	2.199	8.796	4	2.191	8.764
	SUPPORT EQUIPMENT		0.106	0	0.000	0.209	0	0.000	0.410	0	0.000	0.409
	ILS/PUBS/TECH DATA		0.598	0	0.000	0.181	0	0.000	0.735	0	0.000	0.894
	PRODUCTION ENGINEERING		0.518	0	0.000	0.140	0	0.000	0.563	0	0.000	0.683
	CONSULTING SERVICES		0.351		0.000	0.110	0	0.000	0.452	0	0.000	0.550
	NON-RECURRING ENGINEERING		0.579	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	TRAINING EQUIPMENT		0.000	0	0.000	2.760	0	0.000	0.000	0	0.000	0.000
S0074	UNIT COST - AQS-20A											
	EOID KIT		6.684	0	0.000	0.000	0	0.000	0.000	0	0.000	0.000
	AN/AQS-20A	A	50.225	0	0.000	0.000	0	0.000	0.000	2	6.315	12.630
	NON-RECURRING ENGINEERING		1.924	0	0.000	0.367	0	0.000	0.000	0	0.000	0.295
	SUPPORT EQUIPMENT		1.071	0	0.000	1.778	0	0.000	0.000	0	0.000	0.275
	ILS/PUBS/TECH/DATA		0.980	0	0.000	0.534	0	0.000	0.000	0	0.000	0.379
	TRAINING EQUIPMENT		5.180	0	0.000	2.966	0	0.000	0.000	0	0.000	0.279
	PRODUCTION EQUIPMENT		1.059	0	0.000	1.772	0	0.000	0.000	0	0.000	0.276
	CONSULTING SERVICES		0.992	0	0.000	0.379	0	0.000	0.000		0.000	0.175
	PRODUCTION ECP (HW/SW)		4.379	0	0.000	6.524	0	0.000	0.000	0	0.000	0.211
S0075	UNIT COST - ALMDS											
	PRODUCTION ECP (HW/SW)		12.072	0	0.000	1.897	0	0.000	0.000	0	0.000	0.086
	SUPPORT EQUIPMENT		1.624	0	0.000	0.047	0	0.000	0.682	0	0.000	0.071
	ILS/PUBS/TECH DATA		0.836	0	0.000	0.435	0	0.000	1.734	0	0.000	0.511

CLASSIFICATION:	UNCLASSIFIED										
EXHIBIT P-5 COST ANALYSIS (CONTINUATION)			Weapon System							DATE May 2009	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 3**			ID Code	P-1 LINE ITEM NOMENCLATURE **AIRBORNE MINE COUNTERMEASURES** **SUBHEAD NO. 73S0**							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN MILLIONS OF DOLLARS								
			Prior Years	FY 2008			FY 2009			FY 2010		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	TRAINING EQUIPMENT		2.460	0	0.000	0.025	0	0.000	0.351	0	0.000	0.037
	ALMDS		0.000	2	7.659	15.318	0	0.000	0.000	3	6.802	20.406
	PRODUCTION ENGINEERING		0.000	0	0.000	3.078	0	0.000	3.485	0	0.000	1.189
S0090	UNIT COST OAMCM SUPPORT EQUIPMENT											
	ORCA		0.000	2	1.051	2.102	3	0.964	2.893	1	1.200	1.200
	OPMA		0.000	8	0.032	0.256	8	0.032	0.256	8	0.032	0.256
	SNIUTT		0.000	0	0.000	0.120	0	0.000	0.120	0	0.000	0.120
	TOTAL EQUIPMENT		**108.078**			**51.973**			**28.878**			**55.408**
	TOTAL		**108.078**			**51.973**			**28.878**			**55.408**

CLASSIFICATION:	UNCLASSIFIED									
Exhibit P5A, PROCUREMENT HISTORY AND PLANNING					Weapon System				DATE May 2009	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA 3					P-1 LINE ITEM NOMENCLATURE AIRBORNE MINE COUNTERMEASURES BLIN: 4248				SUBHEAD 73S0	
COST ELEMENT FISCAL YEAR	Quantity	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPEC AVAIL NOW	DATE REVISIONS AVAILABLE
FY 2008										
S0065 UNIT COST - AMNS										
AMNS	2	2.273	NAVSEA	JAN-08	OPTION/SS/FFP	RAYTHEON	APR-08	SEP-09		
S0075 UNIT COST - ALMDS										
ALMDS	2	7.659	NSWC PC	JUN-07	OPTION	NG MELBOURNE FL	MAR-08	SEP-09		
S0090 UNIT COST OAMCM SUPPORT EQUIPMENT										
OPMA	8	0.032	NSWC PC	APR-07	C/FFP	SAIC	NOV-07	APR-08		
ORCA	2	1.051	NSWC PC	MAY-08	C/FFP	ODIM, CANADA	SEP-08	SEP-09		
FY 2009										
S0065 UNIT COST - AMNS										
AMNS	4	2.199	NAVSEA	JUN-08	SS/FFP	RAYTHEON	JUN-09	NOV-10		
S0090 UNIT COST OAMCM SUPPORT EQUIPMENT										
OPMA	8	0.032	NSWC PC	MAY-08	FFP	SAIC	NOV-08	APR-09		
ORCA	3	0.964	NSWC PC	MAY-08	SS/FFP	ODIM, CANADA	DEC-08	DEC-09		
FY 2010										
S0065 UNIT COST - AMNS										
AMNS	4	2.191	NAVSEA	FEB-09	SS/FFP	RAYTHEON	MAY-10	OCT-11		
S0074 UNIT COST - AQS-20A										
AN/AQS-20A	2	6.315	NAVSEA	MAY-09	C/FFP	UNKNOWN	MAY-10	MAR-12		
S0075 UNIT COST - ALMDS										
ALMDS	3	6.802	NSWC PC	DEC-08	C/FFP	NG MELBOURNE, FL	MAY-10	NOV-11		
S0090 UNIT COST OAMCM SUPPORT EQUIPMENT										
OPMA	8	0.032	NAVSEA	OCT-08	FFP	SAIC	NOV-09	APR-10		
ORCA	1	1.200	NSWC PC	OCT-08	SS/FFP	ODIM, CANADA	NOV-09	NOV-10		

CLASSIFICATION:	UNCLASSIFIED		
EXHIBIT P-21, PRODUCTION SCHEDULE			DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA 3**		Weapon System	P-1 LINE ITEM NOMENCLATURE **AIRBORNE MINE COUNTERMEASURES BLI: 4248**

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AMNS	RAYTHEON	2	12	24	4	9	13	17	26	E

						FISCAL YEAR 2008												FISCAL YEAR 2009												
						CY 2007			CALENDAR YEAR 2008												CALENDAR YEAR 2009									
ITEM	FY	SVC	QTY	DEL	BAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
AMNS	2007	N	1	0	1					A																	1			0
AMNS	2008	N	2	0	2							A																	1	1
AMNS	2009	N	4	0	4																					A				

						FISCAL YEAR 2010																								
						CY 2009			CALENDAR YEAR 2010																					
ITEM	FY	SVC	QTY	DEL	BAL	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP													BAL
AMNS	2008	N	2	1	1		1																							0
AMNS	2009	N	4	0	4																									
AMNS	2010	N	4	0	4								A																	

Remarks:

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION:	UNCLASSIFIED

EXHIBIT P-21, PRODUCTION SCHEDULE

DATE: May 2009

APPROPRIATION/BUDGET ACTIVITY	Weapon System	P-1 LINE ITEM NOMENCLATURE
OTHER PROCUREMENT, NAVY/BA 3		**AIRBORNE MINE COUNTERMEASURES BLI: 4248**

Item	Manufacturer's Name and Location	Production Rate MSR	ECON	MAX	Procurement Leadtimes ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AQS-20A	RAYTHEON, PORTSMOUTH, RI	3	12	12	1	8	0	22	30	E

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008 / CY 2007 OCT	NOV	DEC	CALENDAR YEAR 2008 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	FISCAL YEAR 2009 OCT	NOV	DEC	CALENDAR YEAR 2009 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
AN/AQS-20A (TOWED BODY) MH53	2010	N	2	0	2								A																

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010 / CY 2009 OCT	NOV	DEC	CALENDAR YEAR 2010 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP												BAL

Remarks:

CLASSIFICATION:	UNCLASSIFIED

EXHIBIT P-21, PRODUCTION SCHEDULE	DATE: May 2009

APPROPRIATION/BUDGET ACTIVITY	Weapon System	P-1 LINE ITEM NOMENCLATURE
OTHER PROCUREMENT, NAVY/BA 3		**AIRBORNE MINE COUNTERMEASURES BLI: 4248**

Item	Manufacturer's Name and Location	Production Rate MSR	Production Rate ECON	Production Rate MAX	Procurement Leadtimes ALT Prior to Oct 1	Procurement Leadtimes ALT After Oct 1	Procurement Leadtimes Initial Mfg PLT	Procurement Leadtimes Reorder Mfg PLT	Total	Unit of Measure
ALMDS	NG, MELBOURNE, FL	3	12	24	4	8	16	18	26	E

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2008 / CY 2007 OCT	NOV	DEC	CALENDAR YEAR 2008 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	FISCAL YEAR 2009 / CALENDAR YEAR 2009 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL
ALMDS	2008	N	2	0	2						A																	1	1

ITEM	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010 / CY 2009 OCT	NOV	DEC	CALENDAR YEAR 2010 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP													BAL
ALMDS	2008	N	2	1	1		1																							0
ALMDS	2010	N	3	0	3								A																	

CLASSIFICATION:
UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: May 2009					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA 3 - AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 4255, LAMPS MK III SHIPBOARD EQUIPMENT					
Program Element for Code B Items: 0604216N							Other Related Program Elements 0204243N					
	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY 2010 Total					
Quantity			5	10	9		9					
Cost ($M)	76.1	B	27.5	35.0	23.7		23.7					

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, frigates, carriers, and Littoral Combat Ship (LCS).

Basis for Request: The FY10 request funds for the procurement of 9 AN/SRQ-4(Ku) ship units and associated support to meet the MH-60R fleet deployment schedule.

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTE LAMPS MK III TYPE MODIFICATION: Modification required by frequency spectrum change 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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES The MH-60R aircraft completed Milestone III in March 2006. Procurement of AN/SRQ-4(Ku) Kits commenced in August 2008.

	Prior Years		FY 2008		FY 2009		FY 2010		FY 2010 OCO	
	QTY	$	QTY	$	QTY	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)										
RDT&E										
PROCUREMENT										
INSTALLATION KITS			5	15.021	10	19.237	9	16.616		
INSTALLATION KITS NRE										
Component "A"										
Component "B"										
Component "C"										
EQUIPMENT NRE		28.931								
EQUIPMENT										
Equipment "A"										
Equipment "B"										
ECP 1 Grp "A"										
ECP 2 Grp "B"										
ECP 3 Grp "A"										
ECP 4 Grp "B"										
DATA										
TRAINING EQUIPMENT										
SUPPORT EQUIPMENT		0.635				1.082		1.104		
ILS		5.181		2.791		2.980		2.398		
PRODUCTION ENGINEERING		40.182		9.522		11.261		3.116		
ACCEPTANCE TEST & EVALUATION		0.015		0.190		0.195		0.198		
GFE		1.203				0.258		0.262		
INTERIM CONTRACTOR SUPPORT										
INSTALL COST										
TOTAL PROCUREMENT		76.147		27.524		35.013		23.694		

*Totals may not add due to rounding

FY08 Production Engineering includes funding for obsolescence. FY09 Production Engineering includes funding for obsolescence and correction of deficiencies prior to fleet release.

P3A (Continued)

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

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: NAWCAD St. Inigoes Installation Team

ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 26 Months

CONTRACT DATES: FY 2008: Aug 08 FY 2009: Jun 09 FY 2010: Feb 10
DELIVERY DATE: FY 2008: Oct 10 FY 2009: May 11 FY 2010: Apr 12

($ in Millions)

Cost:	Prior Years		FY 2008		FY 2009		FY 2010		FY 2010 OCO													
	Qty	**$**	Qty	$	Qty	$	Qty	$	Qty	$												
PRIOR YEARS																						
FY 2008 EQUIPMENT																						
FY 2009 EQUIPMENT																						
FY 2010 EQUIPMENT																						
TOTAL INSTALL COST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

INSTALLATION SCHEDULE:

	FY 2007 & Prior	FY 2008				FY 2009				FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				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	1	2	3	4		
In	-	-	-	-	-	-	-	-	-	-	-	-	-																						
Out	-	-	-	-	-	-	-	-	-	-	-	-	-																						

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: May 2009					
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **426400, PORTABLE ELECTRONIC MAINTENANCE AIDS**					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO	FY2010 Total					
Quantity												
Cost ($M)	**0.0**	**A**	**0.0**	**0.0**	**9.7**	**0.0**	**9.7**					
Initial Spares ($M)												
Total ($M)	**0.0**		**0.0**	**0.0**	**9.7**	**0.0**	**9.7**					
Unit Cost ($M)												

Portable Electronic Maintenance Aids (PEMA): Funding is required to procure the necessary hardware, networking, systems, applications software, infrastructure, and associated security, engineering and installation support. Portable Electronic Maintenance Aids (PEMAs) is a portable device utilized by maintainers with the implementation of digital maintenance capabilities (digital publications, Integrated Electronic Technical Manuals (IETMs), data uploads, BIT data downloads, automated diagnostics, and plane side NALCOMIS). PEMAs are a mandatory display device supporting modern day automated maintenance environment (AME) implemented for weapon systems.

OTHER PROCUREMENT COST ANALYSIS
P-5

DATE: **May 2009**

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE/SUBHEAD
426400, PORTABLE ELECTRONIC MAINTENANCE AIDS

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S6001	Portable Electronic Maintenance Aids (PEMAs)	A								1,851	5.000	9,255			
S6820	Production Support	A										455			
			0			**0**			**0**			**9,710**			**0**

PROCUREMENT HISTORY AND PLANNING P-5A		A. DATE May 2009
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA-3 AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE 426400, PORTABLE ELECTRONIC MAINTENANCE AIDS	SUBHEAD 43S6

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
S6001 Portable Electronic Maintenance Aids										
2010	1,851	5.000	NAWCAD Pax River	04/2009	C-IDIQ*	TBD	10/2009	12/2009	Yes	

D. REMARKS *IDIQ - Indefinite Delivery, Indefinite Quantity

BUDGET PRODUCTION SCHEDULE, P-21	DATE **May 2009**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 AVIATION SUPPORT EQUIPMENT**	P-1 ITEM NOMENCLATURE 426400, PORTABLE ELECTRONIC MAINTENANCE AIDS

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
PEMA	TBD	500	2000	5000	6	1	2	2	3	E

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

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2010												FISCAL YEAR 2011												BAL
						2009			CALENDAR YEAR 2010										CALENDAR YEAR 2011												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
PEMA/TBD	10	N	1851	0	1851	A		209	209	209	209	209	209	209	209	179														0

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40													DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** **BA 3 - AVIATION SUPPORT EQUIPMENT**													P-1 ITEM NOMENCLATURE **426500, OTHER AVIATION SUPPORT EQUIPMENT**
Program Element for Code B Items:													Other Related Program Elements
	Prior Years	ID Code	FY 2008	FY 2009	FY 2010	FY 2010 OCO							
Quantity													
Cost ($M)	**131.7**	**A**	**11.0**	**13.3**	**16.5**								
Initial Spares ($M)			0.4	0.1	1.1								
Total ($M)													
Unit Cost ($M)													

DESCRIPTION:

Industrial Facilities Equipment (S7030):
Procures upgrades and enhancements to Test Equipment supporting the Sonobuoy Quality Assurance Program at San Clemente Island and ongoing sonobuoy engineering reviews at Naval Air Warfare Center Patuxent River.

Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE) (S7039):
Decision Knowledge Programming for Logistics Analysis and Technical Evaluation (DECKPLATE) is the next generation of Naval Aviation Logistics Data Analysis (NALDA) and will interface with Navy Enterprise Resource Program (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 Commercial Off the Shelf (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, COTS, user-friendly, web-based 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 (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. Funds are required for hardware and software refreshment.

Naval Aviation Logistics Command Management Information System (NALCOMIS) (S7041):
As Optimized Organizational Maintenance Activity (OOMA) and Optimized Intermediate Maintenance Activity (OIMA) approach full implementation, 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 Organizational 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.

*Prior years total amount only accounts for items funded in the current FYDP.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: May 2009
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY — BA 3 - AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE 426500, OTHER AVIATION SUPPORT EQUIPMENT

Joint Technical Data Integration (JTDI) (S7042):
Funding supports the requirement to procure JTDI for installation on all Carrier (CV) and Amphibious Assault (L) class ships and up to 104 Navy/Marine Corp aviation activities. JTDI 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. JTDI 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.

Autonomic Logistics Information System (ALIS) Ship Integration - CVN and LHD (S7044):
ALIS controls all aspects of aircraft mission planning, maintenance, logistics, and supply functions. ALIS Ship Integration efforts will ensure the ship modification and classified/unclassified network integration, as well as installing related equipment, conducting security accreditation, and verifying system operations. Funding supports the integration with Shipboard Command, Control, Communications and Computers & Intelligence (C4I) Networks on CVNs and LHDs to support ALIS installation and Prognostic Health Management (PHM) downlink. Funding will be used to install JSF computer hardware at the appropriate security levels, providing Navy's Local Area Networks/Wide Area Network (LAN/WAN) networks ability to transfer critical time sensitive data for JSF in support of aircraft logistics, mission planning, execution and debriefing.

OTHER PROCUREMENT COST ANALYSIS **P-5**				DATE: **May 2009**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT**		ID Code **A**	P-1 ITEM NOMENCLATURE/SUBHEAD **426500, OTHER AVIATION SUPPORT EQUIPMENT / 43S7, U3S7, S3S7**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2008			FY 2009			FY 2010			FY 2010 OCO		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S7030	Industrial Facilities Equipment	A	4,394	1	211	211	1	179	179	1	181	181			
S7039	NALDA - DECKPLATE	A	4,598	1	1,626	1,626	1	1,282	1,282	1	3,673	3,673			
S7040	NALDA	A	50,812	1	620	620	1	858	858	1	778	778			
S7041	H/W & S/W - NALCOMIS Optimized	A	18,650	1	2,503	2,503	1	1,959	1,959	1	1,535	1,535			
S7042	Joint Tactical Data Integration (JTDI)	A	53,289	1	3,777	3,777	1	5,250	5,250	1	3,654	3,654			
S7044	Autonomic Logistics Information System (ALIS)	A		1	855	855	1	1,610	1,610	1	4,955	4,955			
S7833	Production Engineering Support					1,396			796			684			
S7834	Production Engineering Support JSF								1,362			1,081			
			131,743			**10,988**			**13,296**			**16,541**			**0**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE	
								May 2009	
B. APPROPRIATION/BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					SUBHEAD	
OTHER PROCUREMENT, NAVY / BA 3 - AVIATION SUPPORT EQUIPMENT			426500, OTHER AVIATION SUPPORT EQUIPMENT					43S7, U3S7, S3S7	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST $K	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
S7030 INDUSTRIAL FAC EQUIP										
2008	1	211	NSWC, CRANE	03/2008	C-FFP*	Flightline Electronics, Victor NY***	06/2008	03/2009	Yes	
2009	1	179	NAWCADPAX	03/2009	VARIOUS	VARIOUS	05/2009	06/2009	Yes	
2010	1	181	NAWCADPAX	03/2010	VARIOUS	VARIOUS	05/2010	06/2010	Yes	
S7039 NALDA - DECKPLATE										
2008	1	1,626	NAVICPMECH	03/2008	C-FP	CAAS Severn, Laurel, MD***	04/2008	06/2008	Yes	
2009	1	1,282	NAVICPMECH	03/2009	C-TBD	TBD	04/2009	06/2009	Yes	
2010	1	3,673	NAVICPMECH	01/2010	C-TBD	TBD	04/2010	06/2010	Yes	
S7040 NALDA										
2008	1	620	NAVICPMECH	03/2008	C-FP	CAAS Severn, Laurel, MD***	03/2008	06/2008	Yes	
2009	1	858	NAVICPMECH	01/2009	C-TBD	CAAS Severn, Laurel, MD***	01/2009	02/2009	Yes	
2010	1	778	NAVICPMECH	01/2010	C-TBD	TBD	04/2010	06/2010	Yes	
S7041 H/W & S/W - NALCOMIS OPTIMIZED										
2008	1	2,503	NAVICPMECH	01/2008	C-FP	INTERGRAPH, Huntsville, AL	03/2008	06/2008	Yes	
2009	1	1,959	NAVICPMECH	01/2009	C-TBD	TBD	04/2009	06/2009	Yes	
2010	1	1,535	NAVICPMECH	01/2010	C-TBD	TBD	04/2010	06/2010	Yes	
S7042 JOINT TACTICAL DATA INTEGRATION (JTDI)										
2008	1	3,777	NAVICPMECH	07/2008	C-IDIQ	INTERGRAPH, Huntsville, AL	08/2008	09/2008	Yes	
2009	1	5,250	NAVICPMECH	10/2008	C-IDIQ	Aranea Solutions, Huntsville, AL	12/2008	03/2009	Yes	
2010	1	3,654	NAVICPMECH	10/2009	C-IDIQ	Aranea Solutions, Huntsville, AL	12/2009	03/2010	Yes	
S7044 Autonomic Logistics Information System (ALIS)										
2008	1	855	PEO/C4I SAN DIEGO	07/2007	C-PFF	Northrop Grumman Corp.	06/2008	07/2008	Yes	
2009	1	660	SPAWARSYSCEN-Pacific	10/2008	C-PFF	Northrop Grumman Corp.	10/2008	12/2008	Yes	
2009	1	950	PEO/C4I SAN DIEGO	10/2008	C-PFF	Solute Consulting	10/2008	11/2008	Yes	
2010	1	720	SPAWARSYSCEN-Pacific	10/2009	C-PFF	Northrop Grumman Corp.	10/2009	12/2009	Yes	
2010	1	990	PEO/C4I SAN DIEGO	10/2009	C-PFF	Solute Consulting	10/2009	11/2009	Yes	
2010	1	3,245	SPAWARSYSCEN-Pacific	10/2009	TBD	TBD	10/2009	11/2009	Yes	

D. REMARKS *IDIQ - Indefinite Delivery, Indefinite Quantity ** FFP - Firm Fixed Price ***Preponderance of funds went to this vendor