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



# JUSTIFICATION OF ESTIMATES FEBRUARY 2007

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

# Department of Defense Appropriations Act, 2007

### Other Procurement, Navy

For procurement, production, and modernization of support equipment and materials not otherwise provided for, Navy ordnance (except ordnance for new aircraft, new ships, and ships authorized for conversion); the purchase of passenger motor vehicles for replacement only, and the purchase of 10 vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed \$255,000 per vehicle; expansion of public and private plants, including the land necessary therefor, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway, \$4,927,676,000, to remain available for obligation until September 30, 2009.

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

#### UNCLASSIFIED

#### DEPARTMENT OF THE NAVY FY 2008 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: 19 JAN 2007

			MILLIONS OF DOLLAR	.S	6
LINE NO ITEM NOMENCLATURE			FY 2007 QUANTITY COST	FY 2008 QUANTITY COST	S E C
83 NAVAL SHORE COMMUNICATIONS	А	60.3	49.8	10.7	U
CRYPTOGRAPHIC EQUIPMENT					
84 INFO SYSTEMS SECURITY PROGRAM (ISSP)	А	97.2	101.3	107.6	U
CRYPTOLOGIC EQUIPMENT					
85 CRYPTOLOGIC COMMUNICATIONS EQUIP	А	21.9	21.7	16.1	U
OTHER ELECTRONIC SUPPORT					
86 COAST GUARD EQUIPMENT	А	31.0	30.0	27.3	U
DRUG INTERDICTION SUPPORT					
87 OTHER DRUG INTERDICTION SUPPORT	А	9.2			U
TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT		1,874.3			
BUDGET ACTIVITY 03: AVIATION SUPPORT EQUIPMENT					
CONODIONS					
SONOBUOYS	7	F7. 6	66.7	67.4	
88 SONOBUOYS - ALL TYPES	A	57.6	66.7	67.4	U
AIRCRAFT SUPPORT EQUIPMENT					
89 WEAPONS RANGE SUPPORT EQUIPMENT	A	59.0	69.6	58.2	Ū
90 EXPEDITIONARY AIRFIELDS	A	11.4	8.0	8.3	U
91 AIRCRAFT REARMING EQUIPMENT	A	11.8	12.2	12.9	U
92 AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A	24.0	29.7	38.9	U
93 METEOROLOGICAL EQUIPMENT	A	22.5	14.3	12.2	U
94 OTHER PHOTOGRAPHIC EQUIPMENT	A	1.4	1.5	1.5	U
95 AVIATION LIFE SUPPORT	A	37.8	15.5	12.8	U
96 AIRBORNE MINE COUNTERMEASURES	A	40.0	78.4	79.5	U

EXHIBIT P-1

#### UNCLASSIFIED

# DEPARTMENT OF THE NAVY FY 2008 PROCUREMENT PROGRAM

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: 19 JAN 2007

MILITANC OF DOLLARS

			MILLIONS OF DOLLAR	S	-
LINE NO ITEM NOMENCLATURE	IDENT		FY 2007 QUANTITY COST	FY 2008 QUANTITY COST	S E
NO ITEM NOMENCLATORE					
97 LAMPS MK III SHIPBOARD EQUIPMENT	А	19.6	15.8	31.8	U
98 OTHER AVIATION SUPPORT EQUIPMENT	А	11.4			-
TOTAL AVIATION SUPPORT EQUIPMENT		296.4			
BUDGET ACTIVITY 04: ORDNANCE SUPPORT EQUIPMENT					
SHIP GUN SYSTEM EQUIPMENT					
99 NAVAL FIRES CONTROL SYSTEM	А	4.3	3.3	2 1.4	U
100 GUN FIRE CONTROL EQUIPMENT	А	10.9	7.4	5.6	U
SHIP MISSILE SYSTEMS EQUIPMENT					
101 HARPOON SUPPORT EQUIPMENT	A		.1		U
102 NATO SEASPARROW	A	42.1	4.6	28.8	U
103 RAM GMLS	A	25.5	10.9	4.0	U
104 SHIP SELF DEFENSE SYSTEM	В	29.0	56.4	31.6	U
105 AEGIS SUPPORT EQUIPMENT	A	99.4	76.8	93.8	U
106 TOMAHAWK SUPPORT EQUIPMENT	A	74.1	60.9	54.0	U
107 VERTICAL LAUNCH SYSTEMS	А	8.5	6.5	6.8	U
FBM SUPPORT EQUIPMENT					
108 STRATEGIC MISSILE SYSTEMS EQUIP	А	106.7	98.7	150.9	U
ASW SUPPORT EQUIPMENT					
109 SSN COMBAT CONTROL SYSTEMS	А	130.9	92.5	114.2	U
110 SUBMARINE ASW SUPPORT EQUIPMENT	A	4.8	4.9	5.2	U
111 SURFACE ASW SUPPORT EQUIPMENT	А	6.3	6.6	3.5	U
112 ASW RANGE SUPPORT EQUIPMENT	A	7.1	7.2	8.9	U

EXHIBIT P-1

	r Procurement, Navy am Element for Code B Items:  Prior ID  404800, SONOBUOYS - ALL TYPES Other Related Program Elements														
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	BA 3 - AV	IATION	SUPPORT	Γ EQUIPMI	ENT				_	YPES					
Program Element for Code B Items:	Procurement, Navy  BA 3 - AVIATION SUPPORT EQUIPMENT  404800, SONOBUOYS - ALL TYPES  Other Related Program Elements														
	P-40  PRIATION/BUDGET ACTIVITY  rocurement, Navy  BA 3 - AVIATION SUPPORT EQUIPMENT  DElement for Code B Items:  P-1 ITEM NOMENCLATURE 404800, SONOBUOYS - ALL TYPES Other Related Program Elements														
Quantity		Α	84,389	63,758	56,959	80,546	73,501	80,649	84,471	88,632	Cont	Cont			
Cost (\$M)	\$313.3		\$57.6	\$66.7	\$67.4	\$117.1	\$100.7	\$118.6	\$126.0	\$132.6	Cont	Cont			

#### DESCRIPTION:

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

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

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

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

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

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

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

Note: Prior year dollars are for BLI 404800 only.

Page 1 of 9

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System									DATE:			
	P5	SONOBU	OYS, ALL TYP	PES								Februar	v 2007		
ΔPPRΩE	PRIATION/BUDGET ACTIVITY	,	,						ID Code	P-1 ITEM NO	MENCI ATUR		,		
													.7		
OTHER PR	OCUREMENT, NAVY\ BA 3 - AVIATION SUPPORT EQUIPMENT								Α	404600, SON	OBOOTS - AL	L TYPES U3C	(Z		
			Dollars in Thous	ands						1		ı			
			Prior Years	1	FY 2006			FY 2007			FY 2008			FY 2009	
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
QZ001	HARDWARE AN/SSQ-36	Α		3,195	0.311	995				2,060	0.348	716			
QZ002	HARDWARE AN/SSQ-53	Α		69,431	0.479	33,279	45,320	0.552	25,025	38,110	0.548	20,894	39,140	0.554	21,665
QZ004	HARDWARE AN/SSQ-62	Α		8,034	1.188	9,545	8,240	1.318	10,860	6,180	1.356	8,381	7,725	1.305	10,082
QZ005	HARDWARE AN/SSQ-77	Α		3,729	1.073	4,000	4,120	1.590	6,552	2,060	1.290	2,658			
QZ006	HARDWARE AN/SSQ-101	Α					2,575	4.197	10,808	4,120	2.822	11,626	20,600	1.844	37,986
QZ007	HARDWARE AN/SSQ-110	Α					3,503	0.977	3,422	4,429	2.889	12,794	13,081	2.214	28,956
QZ010	HARDWARE AN/SSQ-125	Α													
QZ831	PROD ENG-AN/SSQ-36					90						57			
QZ832	PROD ENG-AN/SSQ-53					3,110			2,002			1,849			2,229
QZ834	PROD ENG-AN/SSQ-62					886			947			670			807
QZ835	PROD ENG-AN/SSQ-77					355			524			213			
QZ836	PROD ENG-AN/SSQ-101								865			930			3,039
QZ837	PROD ENG-AN/SSQ-110								274			1,023			2,316
QZ840	PROD ENG-AN/SSQ-125														
QZ861	ACCEPT TESTING AN/SSQ-36					109						72			
QZ862	ACCEPT TESTING AN/SSQ-53					3,754			2,153			1,945			2,663
QZ864	ACCEPT TESTING AN/SSQ-62					1,086			1,164			838			1,008
QZ865	ACCEPT TESTING AN/SSQ-77					435			655			266			
QZ866	ACCEPT TESTING AN/SSQ-101								1,081			1,163			3,452
QZ867	ACCEPT TESTING AN/SSQ-110								342			1,279			2,896
	SUBTOTALS BY BUOY TYPE														
	AN/SSQ-36					1,194						845			
	AN/SSQ-53					40,143			29,180			24,688			26,557
	AN/SSQ-62					11,517			12,971			9,890			11,897
	AN/SSQ-77					4,790			7,731			3,137			,201
	AN/SSQ-101					.,,,,,,			12,754			13,719			44,477
	AN/SSQ-110								4,038			15,096			34,168
									,,,,,,			.,,,,,,			. ,
Note: Pric	or year dollars are for BLI 404800 only.		313,252			57,643			66,674			67,373			117,098

(Exhibit P-5)

BUDGET PROCUREMENT HISTORY AI	ND PLA	NNING	EXHIBIT (P-	5A)			Weapon System		A. DATE		
							SONOBUOYS, ALL TYPES		February		
B. APPROPRIATION/BUDGET ACTIVIT	TY					C. P-1 IT	EM NOMENCLATURE			SUBHEA	D
OTHER PROCUREMENT, NAVY /		3A 3 - A\	/IATION SU	PPORT EQUIPMENT			404800, SONOBUOYS - ALL TYPES				3QZ
					RFP	Contract			Date of	Specs	Date
			Unit Cost			Method &		Award	First		Revisions
Cost Element/FiscalYear		Qty	(000)	Location of PCO	Date	Type	Contractor and Location	Date	Delivery	Now	Available
QZ001 HARDWARE AN/SSQ-36											
							UNDERSEA SENSOR SYSTEMS INC.,				
	2006	3195		NSWC, CRANE	10/2005		COLUMBIA CITY, IN		05/2007		
	2008	2060	.348	NSWC, CRANE	10/2007	C-FFP	TBD	01/2008	04/2009	YES	
QZ002 HARDWARE AN/SSQ-53											
							SPARTON ELECTRONICS FLORIDA, INC., DE				
	2006	41950	.476	NSWC, CRANE	10/2005		LEON SPRINGS, FL	02/2006	05/2007	YES	
							UNDERSEA SENSOR SYSTEMS INC.,				
	2006	27481	.484	NSWC, CRANE	10/2005	C-FFP	COLUMBIA CITY, IN	02/2006	05/2007	YES	
	2007	45320	.552	NSWC, CRANE	10/2006	C-FFP	TBD	01/2007	04/2008	YES	
	2008	38110	.548	NSWC, CRANE	10/2007	C-FFP	TBD	01/2008	04/2009	YES	
	2009	39140	.554	NSWC, CRANE	10/2008	C-FFP	TBD	01/2009	04/2010	YES	
QZ004 HARDWARE AN/SSQ-62											
							SPARTON ELECTRONICS FLORIDA, INC., DE				
	2006	1000	1.554	NSWC, CRANE	10/2005	C-FFP	LEON SPRINGS, FL	02/2006	05/2007	YES	
				, -			UNDERSEA SENSOR SYSTEMS INC				
	2006	7034	1.136	NSWC, CRANE	10/2005	C-FFP	COLUMBIA CITY. IN	02/2006	05/2007	YES	
	2007	8240		NSWC, CRANE	10/2006		TBD	01/2007	04/2008	YFS	
	2008	6180		NSWC, CRANE	10/2007		TBD		04/2009		
	2009	7725		NSWC, CRANE	10/2008		TBD		04/2010		
QZ005 HARDWARE AN/SSQ-77	2000	7720	1.000	110110, 010111	10/2000	<u> </u>		01/2000	0 1/2010	120	
Q2000 11/11/200Q 11							SPARTON ELECTRONICS FLORIDA, INC., DE				-
	2006	2483	1 016	NSWC, CRANE	10/2005		LEON SPRINGS, FL		05/2007	YES	
	2000	2-100	1.010	110110, OITHILE	10/2003		UNDERSEA SENSOR SYSTEMS INC.,	02/2000	03/2001	120	
	2006	1246	1 126	NSWC, CRANE	10/2005		COLUMBIA CITY, IN	02/2006	05/2007	VES	
	2007	4120		NSWC, CRANE	10/2006		TBD		04/2008		
	2007	2060		NSWC, CRANE	10/2008		TBD		04/2008		
QZ006 HARDWARE AN/SSQ-101	2000	2000	1.29	NOVIO, CITAINE	10/2007	O-FFF		01/2000	04/2009	123	-
QZUUU HARDWARE AN/SSQ-101	2007	2575	4 107	NSWC, CRANE	10/2006	SS EED	ERAPSCO, COLUMBIA CITY, IN	02/2007	06/2008	VEC	
	2007	4120		NSWC, CRANE	10/2006		ERAPSCO, COLUMBIA CITY, IN		04/2008		-
	2008	20600		NSWC, CRANE NSWC, CRANE	10/2007		ERAPSCO, COLUMBIA CITY, IN		04/2009		
07007 HADDWADE AN/CCO 440	2009	20000	1.844	NOVIC, CRANE	10/2008	33-FFP	ERAFSCO, COLUMBIA CITT, IN	01/2009	04/2010	150	-
QZ007 HARDWARE AN/SSQ-110	0007	0500	077	NOMO ODANIE	40/0000	0 FED	TDD	04/0007	04/0000	VE0	
	2007	3503		NSWC, CRANE	10/2006		TBD		04/2008		
	2008	4429		NSWC, CRANE	10/2007		TBD		04/2009		
	2009	13081	2.214	NSWC, CRANE	10/2008	C-FFP	TBD	01/2009	04/2010	YES	

REMARKS:

(Exhibit P-5A)

FY 08/09 DON BUDGET PRO			HEDU	JLE, F	<b>P-21</b>												DATE				BRI							
APPROPRIATION/BUDGET <i>F</i>	_											Wea	por	Sys	stem		P-1	ITEN	ΛNC	OME	NC	LAT	URE		PE	O(A) PR	OGR	AM
OTHER PROCUREMENT,	NAVY	B.A.	3 - AV	IATIO	N SU	PPOR	T EC	UPN	/EN	T		Sonot	uoy	, All	Турея	5	NAR	M 404	1800	SUB	HEAD	D U30	QΖ					
							Pro	ductio	n R	ate				Pro	cure	mer	it Le	adtir	nes									
		Mar	nufactu	ırer's							Α	LT Pri	or	AL	T Af	ter		Initia	l	R	eord	der					Unit	of
Item	1	Name	and L	ocatio	n	MS	SR	EC	ON	MAX	t	o Oct	1	(	Oct 1		M	lfg Pl	Т.	М	fa P	LT		Tota	al	N	/leas	ure
AN/SSQ-36B	USSI	. IN				0.25		1.0		2.0*					3			15						18		K		
AN/SSQ-36B	SPAF		. FL			0.25		1.0		2.0*					3			15						18		K		
AN/SSQ-53	SPAF					0.75		4.0		8.0*					3			15						18		K		
N/SSQ-53	USSI		,			0.75		4.0		8.0*					3			15						18		K		
N/SSQ-62	USSI	,				0.25		1.5		3.0*	-				3			15						18		K		
N/SSQ-62	SPAF	,				0.25		1.5		3.0*					3			15						18		K		
N/SSQ-62 N/SSQ-77	SPAF					0.25		1.5		3.0*					3			15						18		K		
			, FL								_									<u> </u>								
AN/SSQ-77	USSI	,				0.25		1.5		3.0*					3			15						18		K		
AN/SSQ-101 (ADAR)	ERAF					0.25		0.5		1.0*					5			15		<u> </u>				20		K		
N/SSQ-110	SPAF		, FL			0.25		1.5		3.0*	_ _				3			15						18		K		
AN/SSQ-110	USSI	, IN				0.25		1.5		3.0*					3			15						18		K		
										FISCAL YI	EAR 2	006									FISC	CAL Y	EAR	2007				
ITEM / MANUFACTURER	F	S	Q	D	В		200	5				CALEN	IDAR	YEAF	R 2006	i						CA	LENE	AR Y	EAR 2	2007		
	Υ	V	Т	Е	Α	0	N	D	J	FΛ	и A	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J,	A S	3
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						Т	V	С	N	B F	R	Υ	Ν	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G F	)
AN/SSQ-36 - USSI (K)	06		3.2	0.0	3.2					Α														0.2	0.3	0.3 0	0.5	.5 1
AN/SSQ-53 - USSI (K)	06		27.5	0.0	27.5					Α														2.7			3.4	
AN/SSQ-53 - SPARTON (K)	06		42.0	0.0	42.0					Α														3.1		5.2 5		
AN/SSQ-62 - USSI (K)	06		7.0	0.0	7.0					Α													1			1.0 1		
N/SSQ-62 - SPARTON (K)	06		1.0	0.0	1.0					A													1	0.1			0.1	
AN/SSQ-77 - USSI (K) AN/SSQ-77 - SPARTON (K)	06 06		1.2 2.5	0.0	1.2 2.5					A	-												1	0.1		0.1 0	0.2 0.	
AN/55Q-77 - SPARTON (K)	06		2.5	0.0	2.5					А	_													0.1	0.2	0.3	.4 0.	.4 1
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									1	FISCAL YI	EAD 2	200								1	EISC	`AI V	EAR	2000				
ITEM / MANUFACTURER	F	S	Q	D	В		200	7		I ISCAL II	LAN Z	CALEN	ID 4 D	VE 4 F	2 2000					1	1130			2009 DAR Y		2000		-1
TIEW/ WANDI ACTORER	Y	V	T	E	A	_								YEAR			_		_		I _	1	ı	1	EAR 2			
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						T	V	C	N	BF			N	L	G	Р	Т	V	C	N	В	R	R	Y	N		GF	
AN/SSQ-36 - USSI (K)	06		3.2	1.8	1.4	0.5	0.4	0.3	0.2		+	+ +	-		-								H				+	0
N/SSQ-53 - USSI (K)	06		27.5	15.5	12.0	3.4	3.0	3.0	2.6													1	1				+	0
N/SSQ-53 - SPARTON (K)	06	1	42.0	23.5	18.5	5.5	5.5	4.3	3.2														İ				$\top$	0
N/SSQ-62 - USSI (K)	06		7.0	4.0	3.0	1.0	1.0	0.7	0.3																			C
N/SSQ-62 - SPARTON (K)	06		1.0	0.5	0.5	0.2	0.1	0.1	0.1																			C
N/SSQ-77 - USSI (K)	06		1.2	0.7	0.5	0.2	0.1	0.1	0.1																			0
N/SSQ-77 - SPARTON (K)	06	<u> </u>	2.5	1.4	1.1	0.4	0.4	0.2	0.1																			C
		1	1				-	-			$\perp$												<u> </u>				+	-
		1	-			<b> </b>					-	1			-								<u> </u>				+	-
emarks: * If		<u> </u>				<u> </u>	<u> </u>															1						丄

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 88 PAGE NO. 4 Exhibit P-21 Production Schedule

P-1 Shopping List Item No 88

CLASSIFICATION:

UNCLASSIFIED (Exhibit P-40)

FY 08/09 DON BUDGET PRO			HEDL	<u>JLE,</u> F	<u>'-21</u>													DATE			FE	BRI	<u>JA</u> F	<u> </u>	<u> 200</u> 7					
APPROPRIATION/BUDGET AC		′											Wea	apor	ı Sy	stem	)	P-1	ITEN	ΛNC	OME	NCI	_AT	URE	=	PEC	) (A) C	PROGI	RAM	Л
OTHER PROCUREMENT, N	AVY	B.A.	3 - AV	IATIO	N SU	PPOR	T EQ	UIPN	1EN	Т			Sono	buoy	, All	Type	s	NAR	M 404	800 \$	SUBI	HEAD	U30	QΖ						
							Pro	ductio	n R	ate					Pro	ocure	emer	nt Le	adtir	nes										
		Mar	nufactu	ırer's								AL	T Pi	rior	AL	T Af	ter		Initia		R	eorc	ler					Uni	it of	
Item	1	Name	and L	ocatio	n	MS	SR	ECO	NC	MA	٩X	to	Oct	t 1	(	Oct 1	1	М	fg Pl	Т	М	fg P	LT		Tota	al		Meas	sure	е
AN/SSQ-36B	USSI	. IN				0.25		1.0		2.0*						3			15			<u> </u>			18			K		
AN/SSQ-36B	SPAF		. FL			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53	SPAF					0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-53	USSI		, · <u> </u>			0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-62	USSI	,				0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-62	SPAF	,	FI			0.25		1.5		3.0*						3			15						18			K		_
AN/SSQ-77		RTON	,			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	USSI		, ' -			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-111 (ADAR)	ERAF		IN			0.25		0.5		1.0*						5			15						20			K		—
AN/SSQ-101 (ADAK) AN/SSQ-110	SPAF					0.25		1.5		3.0*						3			15						18			K		—
AN/SSQ-110 AN/SSQ-110	USSI		,   L							3.0*		1				3			15									K		
AIWOOQ-IIU	USSI	, IIN				0.25		1.5		3.0						3			10					<u> </u>	18		₩	r\		
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AN/SSQ-53 - NOT SELECTED (K)	07		45.3	0.0	45.3							l									Α			l	$\overline{}$	$\vdash$			1	45.3
AN/SSQ-62 - NOT SELECTED (K)	07		8.2	0.0	8.2																Α				+					8.2
AN/SSQ-77 - NOT SELECTED (K)	07		4.1	0.0	4.1							İ									Α			t		$\Box$				4.1
AN/SSQ-101- ERAPSCO, IN (K)	07		2.6	0.0	2.6																		Α							2.6
AN/SSQ-110 - NOT SELECTED (K)	07		3.5	0.0	3.5																Α							$\sqcup$		3.5
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						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	
AN/SSQ-53 - NOT SELECTED (K)	07		45.3	0.0	45.3								4.5		6.0			5.8	4.5	3.5										0.0
AN/SSQ-62 - NOT SELECTED (K)	07		8.2	0.0	8.2								8.0			1.5	1.5	1.0	0.5	0.5					Щ	ш		$\sqcup$		0.0
AN/SSQ-77 - NOT SELECTED (K)	07		4.1	0.0	4.1						-	0.2	0.3		0.7	-		0.5	0.3	0.2	0.0	0.0		<b> </b>	₩	igspace		$\vdash$		0.0
AN/SSQ-101- ERAPSCO, IN (K) AN/SSQ-110 - NOT SELECTED (K)	07 07		2.6 3.5	0.0	2.6 3.5							0.2	0.3		0.2			0.4	0.4	0.3	0.3	0.2		1	₩	$\vdash$		$\vdash$	1	0.0
MINOUG-IIU-NOI SELECTED (K)	07	1	3.0	0.0	J.U							0.2	0.3	0.4	0.0	0.5	0.0	0.4	0.4	0.3				H	+	+	$\vdash$			0.0
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 88 PAGE NO. 5 Exhibit P-21 Production Schedule

P-1 Shopping List Item No 88

CLASSIFICATION: UNC

UNCLASSIFIED (Exhibit P-40)

FY 08/09 DON BUDGET PROI			HEDL	JLE, P	-21												[	DATE			FE	BRU	<u>JA</u> F	<u> Y 2</u>	007					
APPROPRIATION/BUDGET AC													Wea	apor	ı Sys	tem		P-1	ITEN	/ NC	OME	NCI	AT	URE		PE	O(A)	PRO	GRA	M
OTHER PROCUREMENT, N	IAVY	B.A.	3 - AV	IATIO	N SU	PPOR	T EC	QUIPN	ИEN	Т		5	Sono	buoy	, All T	ypes	ı	NARI	M 404	800 \$	SUB	HEAD	U30	QΖ						
							Pro	ductio	on R	ate					Pro	cure	men	t Le	adtin	nes										
		Mar	nufactu	rer's								AL	T Pi	rior	AL	T Aft	er	I	nitia		R	eord	ler					Ur	nit o	of
ltem		Name	and L	ocatio	n	MS	SR	EC	NC	MA	٩X	to	Oct	1	C	Oct 1		M	fg PL	Τ.	M	fg P	LT	-	Tota	al		Mea	asu	re
AN/SSQ-36B	USSI	, IN				0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAF	RTON	, FL			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53		RTON				0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-53	USSI		,			0.75		4.0		8.0*						3			15						18		1	K		
AN/SSQ-62	USSI	,				0.25		1.5		3.0*						3			15						18		1	K		
AN/SSQ-62		RTON	FI			0.25		1.5		3.0*						3			15						18		1	K		
AN/SSQ-77		RTON				0.25		1.5		3.0*						3			15						18		+	K		
AN/SSQ-77	USSI		,			0.25		1.5		3.0*						3			15						18		+	K		
AN/SSQ-111 (ADAR)	ERAF		INI			0.25		0.5		1.0*						5	$\dashv$		15						20		$\vdash$	K		—
AN/SSQ-101 (ADAR) AN/SSQ-110	CDVL	RTON	, IIN			0.25		1.5		3.0*						3	$\dashv$		15					-	18		+-	K		
			, FL													-									_		—			
AN/SSQ-110	USSI	, IIN				0.25		1.5		3.0*						3	$\rightarrow$		15						18		₩	K		
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AN/SSQ-36 - NOT SELECTED (K)	08	╂	2.1	0.0	2.1	<u> </u>	٧		A	-	11	- 1		14	-	5		-	v	U	<u> </u>	-	11							0.
AN/SSQ-36 - NOT SELECTED (K) AN/SSQ-53 - NOT SELECTED (K)	08	1	38.1	0.0	38.1				A																	5.0				
AN/SSQ-62 - NOT SELECTED (K)	08	1	6.2	0.0	6.2				A																		1.0			
AN/SSQ-77 - NOT SELECTED (K)	08	1	2.1	0.0	2.1				Α																		0.3			
AN/SSQ-101- ERAPSCO, IN (K)	08		4.1	0.0	4.1	1			Α								1									0.5				
AN/SSQ-110 - NOT SELECTED (K)	80		4.4	0.0	4.4				Α															0.2	0.3	0.5	0.7	0.7	0.7	1
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311 / 244 ITEM NO. 88 PAGE NO. 6 Exhibit P-21 Production Schedule

FY 08/09 DON BUDGET PROI			HEDU	JLE, F	-21													DATE	Ē		FE	BR	UAF	RY 2	200	7				
APPROPRIATION/BUDGET AC OTHER PROCUREMENT, N			3 - AV	ΊΔΤΙΟ	N SU	PPOR	T FO	HIPN	/FN	т					-	stem Type			ITEN							PE	O(A)	PRO	GRAI	М
STILKT ROOOKEMENT, N		D.A.	J - A V	17110	11 00			ductio					30110	buoy	•				adtir		300	IILAI	000	QZ						
		Mar	nufacti	ırer's					,,,,,			AL	T P	rior		_T A		_	Initia		R	eord	der				T	Ur	nit of	f
Item	1			ocatio	n	MS	SR	EC	NC	M/	٩X		Oc			Oct			lfg Pl			lfa P			Tot	al			asur	
AN/SSQ-36B	USSI					0.25		1.0		2.0*						3			15		T	· <del>y</del> ·			18		+	K		Ť
AN/SSQ-36B	SPAF		. FL			0.25		1.0		2.0*						3			15						18		+	K		
AN/SSQ-53	SPAF					0.75		4.0		8.0*						3			15						18	_	+	K		
AN/SSQ-53	USSI		,			0.75		4.0		8.0*						3			15						18		+	K		
AN/SSQ-62	USSI					0.25		1.5		3.0*						3			15						18	_	+	K		
AN/SSQ-62	SPAF		. FL			0.25		1.5		3.0*						3			15						18	_	†	K		
AN/SSQ-77	SPAF					0.25		1.5		3.0*						3			15						18		+	K		
AN/SSQ-77	USSI					0.25		1.5		3.0*						3			15						18	_	+	K		
AN/SSQ-101 (ADAR)	ERAF		. IN			0.25		0.5		1.0*						5			15						20	_	1	K		
AN/SSQ-110	SPAF					0.25		1.5		3.0*						3			15						18	_	1	K		
AN/SSQ-110	USSI		, –			0.25		1.5		3.0*						3			15						18		1	K		
7.1.700	000.	,				0.20				0.0																	+	<u> </u>		
										FISCAI	L YEA	R 201	10									FISC	CAL Y	EAR	2011					
ITEM / MANUFACTURER	F	S	Q	D	В		2009	9					CALE	NDAR	YEA	R 2010	)						CA	\LEN[	DAR '	YEAR 2	2011			
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AN/SSQ-36 - NOT SELECTED (K) AN/SSQ-53 - NOT SELECTED (K)	08		2.1 38.1	1.6 28.1	0.5 10.0	0.2 4.0	3.0	0.1 3.0																-		_	₩	-		0.0
AN/SSQ-62 - NOT SELECTED (K)	08		6.2	4.7	1.5	0.7	0.5	0.3																1		+	+			0.0
AN/SSQ-77 - NOT SELECTED (K)	08		2.1	1.5	0.6	0.3	0.2	0.1																		+	1	-		0.0
AN/SSQ-101- ERAPSCO, IN (K)	08		4.1	2.9	1.2	0.5	0.4	0.3																1		+	1			0.0
AN/SSQ-110 - NOT SELECTED (K)	08		4.4	3.1	1.3	0.6	0.4	0.3																						0.0
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ITEM / MANUFACTURER	F	S	Q	D	В		201	1					CALE	NDAR	YEA	R 2012	2						C/	LEN	DAR Y	YEAR 2	2013			
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 88 PAGE NO. 7 Exhibit P-21 Production Schedule

P-1 Shopping List Item No 88

CLASSIFICATION: UN

UNCLASSIFIED (Exhibit P-40)

FY 08/09 DON BUDGET PRO	DUCTIO	ON SC	HEDL	JLE, P	-21													DATE			FΕ	BRI	JAF	RY 2	2007	7				
APPROPRIATION/BUDGET AC													Wea	apor	ո Sys	stem	)	P-1	ITEN	ΛNC	OME	NC	LAT	URE		PE	O(A)	PROG	RAM	1
OTHER PROCUREMENT, N	AVY	B.A.	3 - AV	IATIO	N SU	PPOR	T EQ	UIPN	/IEN	Т		;	Sono	buoy	, All	Type	s	NAR	M 404	1800	SUBI	HEAD	) U30	QΖ						
							Pro	ductio	n R	ate					Pro	cure	emer	nt Le	adtir	nes										
		Mar	nufactu	ırer's								AL	T Pi	rior	AL	T Af	fter		Initia		R	eord	ler					Uni	it of	
Item	1	Name	and L	ocatio	n	MS	SR	EC	NC	MA	٩X	to	Oct	: 1	(	Oct 1	1	М	fg Pl	_T	М	fg P	LT		Tota	al		Mea	sure	Э
AN/SSQ-36B	USSI	, IN				0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAF		. FL			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53	SPAF					0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-53	USSI					0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-62	USSI					0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-62	SPAF	,	FI			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	SPAF					0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	USSI					0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-17 AN/SSQ-101 (ADAR)	ERAF		INI			0.25		0.5		1.0*						5			15					<u> </u>	20		1	K		
AN/SSQ-101 (ADAK) AN/SSQ-110		RTON				0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-110 AN/SSQ-110	USSI		, ı L			0.25		1.5		3.0*						3			15						18			K		_
AIN/00Q-110	USSI	, IIN				0.20		1.5		3.0						<u>ა</u>			13					<u> </u>	16	·	1	N.		
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						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	L
AN/SSQ-53 - NOT SELECTED (K)	09	Ì	39.1	0.0	39.1	1															Α								寸	39.1
AN/SSQ-62 - NOT SELECTED (K)	09		7.7	0.0	7.7																Α									7.7
AN/SSQ-101- ERAPSCO, IN (K)	09		20.6	0.0	20.6																Α									20.6
AN/SSQ-110 - NOT SELECTED (K)	09	<b>!</b>	13.1	0.0	13.1																Α			<u> </u>		-	<u> </u>		_	13.
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Remarks: * If mobilization is for				-11																										

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 88 PAGE NO. 88 Exhibit P-21 Production Schedule

P-1 Shopping List Item No 88

CLASSIFICATION:

UNCLASSIFIED (Exhibit P-40)

FY 08/09 DON BUDGET PROD			HEDU	JLE, F	-21													DATE			FE	BRI	JAF	RY 2	2007	7				
APPROPRIATION/BUDGET AC OTHER PROCUREMENT, N			3 - AV	ΊΔΤΙΟ	N SU	PPOR	T FO	HILL	/FN	т		,		apor buoy	-				ITEN M 404							PE	O(A) I	PROG	RAN	Λ
JIII KI KOOOKEMERI, K		<b>D</b> .A.	<u> </u>					ductio				<u>'</u>	JOHC	buoj					adtir		0001	ILAL	, 000							
		Mar	nufacti	ırer's					,,,,,			AL	ΤP	rior		LT A		_	Initia		R	eord	der					Uni	it of	
Item	1		and L		n	MS	SR	EC	NC	M/	λX		Ос			Oct			fg Pl			fg P			Tota	al		Mea		
N/SSQ-36B	USSI	, IN				0.25		1.0		2.0*						3			15			<u> </u>			18			K		
AN/SSQ-36B	SPAF		, FL			0.25		1.0		2.0*						3			15						18			K		_
AN/SSQ-53	SPAF					0.75		4.0		8.0*						3			15						18			K		_
AN/SSQ-53	USSI	, IN				0.75		4.0		8.0*						3			15						18			K		
AN/SSQ-62	USSI	, IN				0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-62	SPAF	RTON	, FL			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	SPAF					0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	USSI	, IN				0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-101 (ADAR)	ERAF					0.25		0.5		1.0*						5			15						20			K		
AN/SSQ-110	SPAF	RTON	, FL			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-110	USSI	, IN				0.25		1.5		3.0*						3			15						18			K		
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ITEM / MANUFACTURER	F	S	Q	D	В		200	9					CALE	NDAR	YEA	R 2010	)						CA	LEND	AR Y	EAR 2	011			l
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			Y	L	-	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	Ĺ
AN/SSQ-53 - NOT SELECTED (K)	09	<u> </u>	39.1	0.0	20.1	'	V	C	IN	ь	K					5.0	5.0	4.6		3.0	IN	ь	К	K	ī	IN	_	G	Г	0.
AN/SSQ-53 - NOT SELECTED (K) AN/SSQ-62 - NOT SELECTED (K)	09		7.7	0.0	39.1 7.7									4.5 1.0		1.5	1.0	1.0		0.5				1						0.
AN/SSQ-101- ERAPSCO, IN (K)	09		20.6	0.0	20.6							1.1		2.5		3.3		2.5	1.7	1.2										0.
AN/SSQ-110 - NOT SELECTED (K)	09		13.1	0.0	13.1							1.0					2.0			1.0										0.
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ITEM / MANUFACTURER	F	s	Q	D	В		2011	I					CALE	NDAR	YEA	R 2012	2						CA	LEND	AR Y	EAR 2	013			l
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 ITEM NO. 88 PAGE NO. 9 Exhibit P-21 Production Schedule

			T ITEM JU	STIFICATI	ON SHEET						DATE:				
		P-40									February 2	2007			
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	ATURE						
Other Procurement, Navy	BA 3 - AV	IATION	SUPPORT	EQUIPME	NT		420400, W	EAPONS I	RANGE SU	PPORT EC	QUIPMENT				
Program Element for Code B Items:	ocurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT 420400, WEAPONS RANGE SUPPORT														
	ocurement, Navy BA 3 - AVIATION SUPPORT EQUIPMENT 420400, WEAPONS RANGE SUPPO														
	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program			
Quantity															
Cost (\$M)	\$136.5	Α	\$59.0	\$69.6	\$58.2	\$72.9	\$77.7	\$70.2	\$63.5	\$64.6	Cont	Cont			
OPN-8 Spares (\$K)			\$1,689.0	\$1,503.0	\$2,367.0	\$1,723.0	\$2,029.0	\$1,425.0	\$995.0	\$581.0					

#### DESCRIPTION:

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

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

#### THREAT PRESENTATION

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

#### SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

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

#### TACTICAL COMBAT TRAINING SYSTEM (TCTS)

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

#### TARGETS/SMART TARGETS

Targets represent a variety of mobile and stationary targets/shapes and visual cues that are required to support aviation and surface training of the Naval Forces.

Smart Targets represent Electronic Warfare simulators, and legacy system upgrades that present range participants with systems that provide capabilities such as reactivity, mobility, realistic radar cross-section, infrared signature, and realistic threat fidelity. The funds beginning in FY07 continue the requirements of the SCORE Smart Target Congressional add acquisitions received in FY04/05/06.

		BUDGE P-40	T ITEM JU	STIFICATI	ON SHEET						DATE: February	2007
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	ATURE			
Other Procurement, Navy	BA 3 - A\	IATION	SUPPORT	EQUIPME	NT		420400, W	EAPONS I	RANGE SU	PPORT EC	UIPMENT	
Program Element for Code B Items:			Other Rela	ited Progra	m Elements	3						
	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
Quantity												
Cost (\$M)	\$136.5	A	\$59.0	\$69.6	\$58.2	\$72.9	\$77.7	\$70.2	\$63.5	\$64.6	Cont	Cont

#### **OCEAN SYSTEMS**

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

#### FLEET READINESS PROGRAM (FRP)

This project supports the Navy's transition of fleet training from Vieques, Puerto Rico, to various locations along the East Coast and Gulf of Mexico. The FRP invests in or procures training instrumentation and tracking systems (air, surface and subsurface), threat presentation systems, scoring systems and communications systems at several existing training locations including but not limited to Oceana, Cherry Point, Beaufort, Townsend, Key West, and Atlantic Underwater Test and Evaluation (AUTEC). SC145 FRP-Radar Emission Simulating Set (RESS) FY10-FY13 funds moved to SC105 Threat Presentation. The 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. 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. FY08-13 includes increased funding for land targets.

#### JOINT THREAT EMITTER (JTE)

The JTE provides an Integrated Air Defense System (IADS) controlled threat environment. The JTE is capable of simulating multiple threat systems and different IADS scenarios.

The JTE set consists of 3 core capabilities; threat system simulation, power supply, and system control. The FY05 and FY07 congressional adds will procure one wide band

JTE for use in the Hawaiian Islands and the western Pacific regions.

#### MULTI-SPECTRAL THREAT EMITTER

The FY07 congressional add will complete the procurement of (2) Multi-spectral Threat Emitter Simulators (MTES) currently on procurement with FY05 and FY06 congressional add funding. The MTES is an EW threat emitter that visually represents a specific surface-to-air threat. The system will be mobile and provide full radio frequency/infrared fidelity. The current system under consideration is an infrared simulator.

#### PMRF UPGRADES

The Pacific Missile Range Facility (PMRF) supports a wide variety of training exercises involving air, surface, and subsurface units. This FY06 and FY07 Congressional adds will be utilized for training range instrumentation and range safety upgrades to ensure Fleet training readiness. These funds will provide state-of-the-art capability to conduct safe Fleet exercises, objective evaluation of training effectiveness and employment strategy and tactics, equipment performance evaluation and measurement of reliability and accuracy of operational weapons systems.

#### **BSURE REPLACEMENT**

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.

#### SCORE / SMART TARGETS

FY06 and FY07 Congressional Adds provides funding for (2) systems at the Southern California Off-Shore Range (SCORE). The system represents a variety of mobile and stationary targets/shapes and visual cues that are required to support availation and surface training of the Naval Forces. SCORE Targets / Smart Targets represent Electronic Warfare simulators, and legacy system upgrades that present range participants with systems that provide capabilities such as reactivity, mobility, realistic radar cross-section, infrared signature, and realistic threat fidelity. FY04 and FY05 Congressional adds provided (2) systems for SCORE.

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	ystem									DATE:			
	P5											Februa	ry 2007		
APPROP	RIATION/BUDGET ACTIVITY								ID Code	P-1 ITE	M NOME	NCLATURE			
OTHER	PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPO	ORT FOLLIPMEN	IΤ						Α	420400	WEAPO	NS RANGE	SUPPOR	T FOLIEN	MENT
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			Prior Years		FY 200	)6 		FY 200	)/		FY 2008	5 		FY 2009	
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 Cos
SC004	SYS REPLACE & MODS (SRAM)	А	76,866	VAR	VAR	6,937	VAR	VAR	7,680	VAR	VAR	5,766	VAR	VAR	6,203
SC012	OCEAN SYSTEMS	А		VAR	VAR	13,407	VAR	VAR	11,975	VAR	VAR	12,364	VAR	VAR	25,886
SC041	TARGETS / SMART TARGETS	А	1,485	VAR	VAR	5,817				VAR	VAR	300	VAR	VAR	500
SC105	THREAT PRESENTATION	A					VAR	VAR	8,845	VAR	VAR	11,904	VAR	VAR	9,815
SC145	FRP-RADAR EMISSION SIMULATING SET	A	4,602	7	446	3,122	3	1289	3,867	7	505	3,534	7	507	3,549
SC148	FRP-NSFS SCORING SYSTEM (PORTABLE)	A		1	121	121									
SC151	FRP-TARGETS	A	368	VAR	VAR	217	VAR	VAR	226	VAR	VAR	2,231	VAR	VAR	2,137
SC152	FRP-TRACKING SYSTEM UPGRADES	Α	4,540	VAR	VAR	2,972									
SC156	JOINT THREAT EMITTER	A					1	3,850	3,850						
SC157	MULTI-SPECTRAL THREAT EMITTER SYSTEM	Α	2,349	1	1882	1,882	1	1,158	1,158						
SC158	TCTS - GROUND SUBSYSTEM	A	1,859	VAR	VAR	1,245	VAR	VAR	3,135	VAR	VAR	1,301	VAR	VAR	918
SC159	SCORE/SMART TARGETS	Α		1	1,350	1,350	1	1,086	1,086						
SC160	BSURE REPLACEMENT	Α		VAR	VAR	3,953	VAR	VAR	9,701	VAR	VAR	3,459			
SC702	PMRF UPGRADES	A	1,159	VAR	VAR	4,885	VAR	VAR	3,965						
SC831	PRODUCTION ENGINEERING, OTHER		7,969			9,772			7,573			7,738			11,448
SC860	ACCEPTANCE TEST & EVALUATION		193			277			1,702			165			240
SC900	NON-FMP INSTALLATION		608			1,367			2,117			7,226			8,987
SC971	ILS, OTHER RANGES		944			1,675			2,704			2,167			3,238
SCVAR	VARIOUS		33,529												

BUDGET PROCUREMENT HISTORY AND PL	ANNING	EXHIBIT (P-5	5A)			Weapon System		A. DA		
B. APPROPRIATION/BUDGET ACTIVITY					C P-1 ITE	I EM NOMENCLATURE		H	ebruary 20	HEAD
b. ALTROPRIATION/BODGET ACTIVITY					0. 1-1111	IN NOMENOLATORE			300	IILAD
OTHER PROCUREMENT, NAVY /	I SUPPO	RT EQUIPME	ENT			420400, WEAPONS RANGE SUPPORT EQUIP	PMENT			BSC
				RFP	Contract			Date of	Specs	Date
Cost Element/FiscalYear	Qtv	Unit Cost (000)	Location of PCO	Issue Date	Method & Type	Contractor and Location	Award Date	First Delivery	Available Now	Revisions Available
SC004 SYS REPLACE & MODS (SRAM)	Qty	(000)	Edition of 1 ee	Date	Туре	Contractor and Eccation	Date	Delivery	INOW	Available
2006	VAR	VAR	NSWC, CORONA, CA	10/2005	VARIOUS	VARIOUS	12/2005	11/2006	YES	N/A
2007		VAR	NSWC, CORONA, CA		VARIOUS		12/2006		YES	N/A
2008		VAR	NSWC, CORONA, CA		VARIOUS		12/2007		YES	N/A
2009		VAR	NSWC, CORONA, CA		VARIOUS		12/2008		YES	N/A
SC012 OCEAN SYSTEMS	*****	77		10/2000	************	7744666	12/2000	00/2000		
2006	VAR	VAR	NUWC DET, NEWPORT, RI	04/2006	VARIOUS	VARIOUS	08/2006	08/2008	YES	N/A
2006		VAR	VAR		VARIOUS		08/2006		YES	N/A
2006		VAR	NUWC DET, NEWPORT, RI		VARIOUS		03/2007		YES	N/A
2007		VAR	NUWC DET, NEWPORT, RI		VARIOUS		03/2007	1	YES	N/A N/A
2008		VAR	VAR		VARIOUS		12/2007		YES	N/A N/A
2008		VAR	NUWC DET, NEWPORT, RI		VARIOUS		03/2009		NO NO	12/2008
2009		VAR	VAR		VARIOUS		12/2008	1	NO NO	12/2008
SC041 TARGETS / SMART TARGETS	VAR	VAR	VAR	10/2008	VARIOUS	VARIOUS	12/2008	12/2009	NO	12/2008
2006	VAR	VAR	VAR	01/2006	VARIOUS	VARIOUS	04/2006	04/2008	YES	N/A
2008	VAR	VAR	VAR		VARIOUS		04/2008		YES	N/A
2009	VAR	VAR	VAR	01/2009	VARIOUS	VARIOUS	04/2009	04/2011	YES	N/A
SC105 THREAT PRESENTATION						LOOK IEED MADTIN CEDVICES INC				
2007	VAR	VAR	NAWCWD, CHINA LAKE, CA	01/2007	C-CPFF	LOCKHEED MARTIN SERVICES INC, CHERRY HILL, NJ	04/2007	04/2009	NO	01/2007
		· · · · · · · · · · · · · · · · · · ·					_			
2007		VAR	VAR		VARIOUS		04/2007		NO	01/2007
2008 2009	VAR VAR	VAR VAR	VAR VAR		VARIOUS VARIOUS		04/2008		NO NO	01/2008
SC145 FRP-RADAR EMISSION SIMULATING		VAR	VAR	01/2009	VARIOUS	VARIOUS	04/2009	04/2011	NO	01/2009
ISET										
2006	7	446	NAWCWD, PT MUGU, CA	10/2005	VARIOUS	VARIOUS	12/2005	01/2007	YES	N/A
2007	3	1289	NAWCWD, PT MUGU, CA		VARIOUS			01/2007	YES	N/A
2008	7	505	NAWCWD, PT MUGU, CA		VARIOUS		12/2007		YES	N/A
2009		507	NAWCWD, PT MUGU, CA		VARIOUS		12/2008		YES	N/A
SC148 FRP-NSFS SCORING SYSTEM	-	301	NAVVOVO, FI WOOO, OA	10/2006	*AI1003	7/11/1000	12/2000	00/2010	ILO	11/7
2006	1	101	NSWC INDIAN HEAD, MD	02/2006	C EED	NSWC, INDIAN HEAD, MD	02/2022	02/2000	YES	N/A
SC151 FRP-TARGETS	1	121	NOVVC INDIAN HEAD, MD	02/2006	U-FFP	INDIVIO, INDIAN MEAD, MD	03/2006	03/2008	155	IN/A
	VAR	VAR	VAR	10/2025	VARIOUS	VARIOUS	10/0005	00/2000	NO	10/2005
2006		l					12/2005	1		10/2005
2007		VAR	VAR		VARIOUS		12/2006		NO	10/2006
2008		VAR	VAR		VARIOUS		12/2007		NO	10/2007
2009	VAR	VAR	VAR	11/2008	VARIOUS	VARIOUS	12/2008	09/2009	NO	10/2008
SC152 FRP-TRACKING SYSTEM UPGRADES						La COLUMNIA TIONA TELEFONIA MEST				
2006	VAR	VAR	NAWCWD, CHINA LAKE, CA	10/2005	VARIOUS	L3 COMMUNICATIONS, TELEMETRY-WEST, SAN DIEGO, CA	01/2006	01/2007	YES	N/A
2006	VAR	VAR	NAWCWD, CHINA LAKE, CA	10/2005	VARIOUS	TYBRIN Corporation, Ridgecrest, CA	02/2006	01/2007	YES	N/A
SC156 JOINT THREAT EMITTER			-							
2007	1	3,850	VAR	02/2007	C-FFP	NORTHROP GRUMMAN SYSTEMS CORPORATION, BUFFALO, NY	05/2007	05/2009	YES	N/A

BUDGET PROCUREMENT HISTORY AND PL	ANNING	EXHIBIT (P-	5A)			Weapon System		A. DAT		
B. APPROPRIATION/BUDGET ACTIVITY					C P-1 ITE	L NOMENCLATURE		F	ebruary 20 SUB	007 SHEAD
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OTHER PROCUREMENT, NAVY /	1 SUPPC	RT EQUIPM	ENT		0 1 1	420400, WEAPONS RANGE SUPPORT EQUIP	MENT	D		BSC
Cost Element/FiscalYear	Qty	Unit Cost (000)	Location of PCO	RFP Issue Date	Contract Method & Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now	Date Revisions Available
SC157 MULTI-SPECTRAL THREAT EMITTER SYSTEM								-		
2006	1	1882	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	03/2006	C-FFP	DRS-ELECTRONIC WARFARE & NETWORK SYSTEMS, BUFFALO, NY	05/2006	05/2008	YES	N/A
2007	1	1158	THREAT SIMULATORS MGMT OFFICE, RED STONE ARSENAL, AL	02/2007	C-FFP	DRS-ELECTRONIC WARFARE & NETWORK SYSTEMS, BUFFALO, NY	04/2007	09/2008	YES	N/A
SC158 TCTS - GROUND SUBSYSTEM						CUBIC DEFENSE APPLICATIONS, INC. SAN				<u> </u>
2006	VAR	VAR	ACC/WMRA, EGLIN AFB, FL	10/2005		DIEGO, CA	12/2005	09/2006	YES	N/A
2007	VAR	VAR	ACC/WMRA, EGLIN AFB, FL	10/2006	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	12/2006	09/2007	YES	N/A
2008	VAR	VAR	ACC/WMRA, EGLIN AFB, FL	10/2007	C-FFP	CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	12/2007	09/2008	YES	N/A
2009	VAR	VAR	ACC/WMRA, EGLIN AFB, FL	10/2008		CUBIC DEFENSE APPLICATIONS, INC, SAN DIEGO, CA	12/2008	09/2009	YES	N/A
SC159 SCORE/SMART TARGETS										
2006	1	1,350	BIG CROW PROGRAM OFFICE, KIRTLAND AFB, FL	10/2005	C-FFP	ARGON ST, INC, CAMARILLO, CA	12/2005	09/2006	YES	N/A
2007		1,086	VAR	02/2007		VARIOUS	04/2007		YES	N/A
SC160 BSURE REPLACEMENT		,								
2006		VAR	NUWC DET, NEWPORT, RI	04/2006		NUWC DET, NEWPORT RI	08/2006		YES	N/A
2007		VAR	NUWC DET, NEWPORT, RI	04/2006		NUWC DET, NEWPORT RI	03/2007		YES	N/A
2008 SC702 PMRF UPGRADES	VAR	VAR	NUWC DET, NEWPORT, RI	04/2006	PX	NUWC DET, NEWPORT RI	03/2008	08/2009	YES	N/A
3C/02 FWRF OFGRADES										
2006	VAR	VAR	NUWC DET, NEWPORT, RI	10/2005	VARIOUS	VARIOUS	03/2005	06/2006	YES	N/A
2006	VAR	VAR	PMRF HAWAII	10/2005	VARIOUS	VARIOUS	12/2005	06/2006	YES	N/A
2006	VAR	VAR	VAR	10/2005	VARIOUS		02/2006	06/2006	YES	N/A
2007	VAR	VAR	NAWCWD, CHINA LAKE, CA	02/2007	C-FFP	L3 COMMUNICATIONS, TELEMETRY-WEST, SAN DIEGO, CA	04/2007	09/2008	YES	N/A
2007	VAR	VAR	SPAWARSYSCEN SAN DIEGO, CA	02/2007	VARIOUS	VARIOUS	04/2007	08/2009	YES	N/A
2007	VAR	VAR	SPAWARSYSCEN HAWAII	02/2007	VARIOUS	VARIOUS	04/2007	08/2009	YES	N/A
2007	VAR	VAR	FISC, SEAL BEACH, CA	02/2007	VARIOUS	VARIOUS	04/2007	10/2007	YES	N/A
2007	VAR	VAR	PMRF HAWAII	02/2007	VARIOUS	VARIOUS	05/2007	09/2008	YES	N/A

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

	BUD	GET I	TEM JUST	IFICATION	SHEET			DATE:				
			P-40							Febr	uary 2007	
APPROPRIATION/BUDG	GET ACTIVI	TY					P-1 ITEM NO	DMENCLATU	RE			
OTHER PROCURE	MENT, NA	VY/B	A-3 Aviation	on Support	Equipmen	nt	420800	<b>Expedition</b>	ary Airfiel	ds		
Program Element for Cod	de B Items:						Other Relate	d Program Ele	ements			
Not Applicable												
	Prior	ID									То	
	Years	Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Complete	Total
QUANTITY												
COST (In Millions)	\$170.7	Α	\$11.4	\$8.0	\$8.3	\$8.5	\$8.7	\$8.8	\$9.0	\$9.2	Continuing	Continuing

### **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).

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.

The FY 2008 budget request consists 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.

FY06 funding includes \$3.6M provided in supplemental.

P-1 Shopping List Item NO. 90

CLASSIFICATION:

CLASSIFICATION:

**UNCLASSIFIED** 

	WEAPONS SYSTEM		ANALYSIS										DATE: <b>Fe</b>	bruary 20	07
	PRIATION/BUDGET ACTIVITY Procurement, Navy/BA-3 Aviation Support		ment						JRE/SUBHEA					,	
			TOTAL COST	Γ IN THOUSA	NDS OF DOL		420000 EXI I		7						
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 2006 Unit Cost	Total Cost	Quantity	FY 2007 Unit Cost	Total Cost	Quantity	FY 2008 Unit Cost	Total Cost	Quantity	FY 2009 Unit Cost	Total Cost
SE010	EAF Service Change Kits  EAF Surfacing Equipment  EAF Surfacing Equipment (FY06 Supplemental)  EAF Lighting Equipment  EAF Arresting Gear Equipment	A	54,986	475 1,800 21 16	9 2 112 46	4,275 3,600 2,352 736	496 0 21 16	9 0 114 48	4,464 0 2,394 768	421 0 21 16	11 0 116 50	4,631 0 2,436 800	308 0 29 16	12 0 118 52	3,69 3,42:
SE800 SE830 SE860	Integrated Logistics Support Production Engineering Acceptance Test & Evaluation	A A A	4,275 13,636 97,824			172 154 66			156 145 105			161 148 105			19 18 13
		•	170,721			11,355			8,032			8,281			8,46

ITEM NO. 90 PAGE NO. 2

**UNCLASSIFIED** 

DD Form 2446-1, JUL 87

# **UNCLASSIFIED**

BUDGET PROCUREMENT I	HISTORY AN	ND PLANN	ING EXHIBIT (P-5A	.)		Weapon System		A. DATE		
								F	ebruary 2	2007
B. APPROPRIATION/BUDGET ACTIVIT	Υ				C. P-1 ITEM NON	MENCLATURE		•	SUBHEAD	
Other Procurement, Navy BA3 - Aviation Support Equ	ıipment					800 EXPEDITIONARY A	RFIELD			BSE
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 2006 Service Change Kits										
EAF Surfacing Equipment	475	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps -Angouleme,FR Metalite Aviation Lighting - Winster Grove, Birmingham UK	Nov-05	Apr-06	Yes	N/A
EAF Surfacing Equipment (FY06 Supplemental)	1800	2	NAWCADLKE	Aug-04	Option-FFP	Deschamps -Angouleme,FR CGEAR Australia PTY.LTD	Jul-06	Dec-06	Yes	N/A
EAF Lighting Equipment	21	112	NAWCADLKE	Dec-01	Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Nov-05	Nov-06	No	NA
EAF Arresting Gear Equip't	16	46	NAWCADLKE	Jul-04	Option-FFP	ESCO - Aston, PA	Nov-05	Nov-06	Yes	N/A
FY 2007 Service Change Kits										
EAF Surfacing Equipment	496	9	NAWCADLKE	Jul-06	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham	Nov-06	Apr-07	Yes	N/A
EAF Lighting Equipment	21	114	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-06	Nov-07	No	NA
EAF Arresting Gear Equip't	16	48	NAWCAD LKE	Jul-04	Option-FFP	ESCO - Aston, PA	Nov-06	Nov-07	Yes	N/A
FY 2008 Service Change Kits										
EAF Surfacing Equipment	421	11	NAWCADLKE	Jul-06	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham	Nov-07	Apr-08	Yes	N/A
EAF Lighting Equipment	21	116	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-07	Nov-08	No	NA
EAF Arresting Gear Equip't	16	50	NAWCAD LKE	Jul-04	Option-FFP	ESCO - Aston, PA	Nov-07	Nov-08	Yes	N/A
FY 2009 Service Change Kits										
EAF Surfacing Equipment	308	12	NAWCADLKE	Jul-06	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham	Nov-08	Apr-09	Yes	N/A
EAF Lighting Equipment	29	118	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-08	Nov-09	No	NA
EAF Arresting Gear Equip't	16	52	NAWCAD LKE	Jul-04	Option-FFP	ESCO - Aston, PA	Nov-08	Nov-09	Yes	N/A
D REMARKS										
D. REMARKS										

P-1 SHOPPING LIST Classification:

NO. 3 UNCLASSIFIED

ITEM NO. 90 PAGE NO. 3

	1	BUDGE P-40	T ITEM JU	STIFICATION	ON SHEET						DATE: February	2007
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	ATURE			
Other Procurement, Navy												
Program Element for Code B Items:	am Element for Code B Items: Other Related Program Elem											
	Prior Years	ID Code	EV 2006	FY 2007	FY 2008	EV 2000	EV 2010	EV 2011	FY 2012	FY 2013	To Complete	Total
Quantity	rears	Code	F1 2006	F1 2007	F1 2006	F1 2009	F1 2010	F1 2011	F1 2012	F1 2013	Complete	Piograffi
,	4		• • • •	• • • •	• • • •	• • • •			• • • •			
Cost (\$M)	\$323.9	A/B	\$11.8	\$12.2	\$12.9	\$13.0	\$13.3	\$13.6	\$13.8	\$14.1	Cont	Cont
OPN Spares (\$M)			\$0.08	\$0.04	\$0.03	\$0.07	\$0.06	\$0.05	\$0.04	\$0.05	Cont	Cont

#### DESCRIPTION:

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

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

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

Shipboard/Shorebased ASE is utilized by squadrons and supporting activities to load and service aircraft weapons and guns. The Next Generation Munitions Handler (shipboard) is an example of this equipment.

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System									DATE:			
	P5											Februar	ry 2007		
APPROF	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	MENCLATUR	E			
OTHER	PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPOR	T EQUIPM	ENT						A/B	421400, AIRC	RAFT REAR	MING EQUIPM	MENT		
			Dollars in Thous	ands											
			Prior Years FY 2006 FY 2007 FY								FY 2008			FY 2009	
Cost Code	Element of Cost	ID Code	17200							Unit Cost	Total Cost	QTY	Unit Cost	Total Cost	
SH024	ADU-514A/E MISSILE ADAPTER	A A	1,393	QII	Offic Cost	10181 0031	QII	Offic Cost	Total Cost	500	2.7		QII.	OTHE COSE	Total Cost
SH027	A/S32K-1D CILOP	A	11,390	56	49.982	2,799	52	50.269	2,614	000		1,000			
SH028	AERO-91B (ADU-566/E) ADAPTER	Α	565	250	.66	165									
SH029	AERO-74A (ADU-876/E) ADAPTER	Α	4,727	421	5.359	2,256	324	5.528	1,791	322	5.652	1,820	95	5.654	537
SH030	AERO-51B (MHU-227/M) TRAILER	Α	31	150	5.613	842	75	5.613	421	75	5.613	421	100	5.620	562
SH033	LALS II LOADER	Α	27,000				15	120.	1,800	20	120.	2,400	20	120.	2,400
SH034	LALS II REPLENISHER	Α		50	16.28	814	50	16.28	814	33	16.303	538			
SH035	TTU-346/E VARIABLE TEST WEIGHT	Α	950	6	20.	120									
SH036	A/M32K-4A MUN TRLR REPLACEMENT	В					2	93.	186				158	22.708	3,588
SH037	NEXT GENERATION HANDLER (SHIP)	В											3	635.	1,905
SH830	PRODUCTION ENGINEERING		34,204 1,868 1,733									1,710			1,691
SH860	ACCEPTANCE TEST AND EVALUATION		6,117 464									611			591
SH890	OTHER		237,516			2,497			2,408			4,047			1,710
			323,893			11,825			12,197			12,897			12,984

BUDGET PROCUREMENT HISTORY AND F	PLANNING	3 EXHIBIT (	P-5A)			Weapon System		A. DATI		
B. APPROPRIATION/BUDGET ACTIVITY					lo D417	 		February	2007 SUBHEA	
B. APPROPRIATION/BUDGET ACTIVITY					C. P-111	TEM NOMENCLATURE			SUBHEA	D
OTHER PROCUREMENT, NAVY /	BA 3 - A	VIATION SU	JPPORT EQUIPMENT			421400, AIRCRAFT REARMING EQUIPME	NT		43	SH
				RFP	Contract			Date of	Specs	Date
		Unit Cost		Issue	Method &		Award	First	Available	
Cost Element/FiscalYear	Qty	(000)	Location of PCO	Date	Туре	Contractor and Location	Date	Delivery	Now	Available
SH024 ADU-514A/E MISSILE ADAPTER										
2008	500	2.7	NAWCADLKE, Lakehurst, NJ	11/2007	C-FFP	TBD	12/2007	07/2008		
SH027 A/S32K-1D CILOP										
2006			NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	SEFAC SOLOMONS, SOLOMONS, MD		06/2006		
2007	52	50.269	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	SEFAC SOLOMONS, SOLOMONS, MD	12/2006	05/2007		
SH028 AERO-91B (ADU-566/E) ADAPTER										
						D E TECHNOLOGIES, INC, KING OF				
2006	250	.66	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	PRUSSIA, PA	01/2006	06/2006		
SH029 AERO-74A (ADU-876/E) ADAPTER										
						D E TECHNOLOGIES, INC, KING OF				
2006	421	5.359	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	PRUSSIA, PA	02/2006	08/2006		
						D E TECHNOLOGIES, INC, KING OF				
2007	324	5.528	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	PRUSSIA, PA	12/2006	06/2007		
						D E TECHNOLOGIES, INC, KING OF				
2008	322	5.652	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	PRUSSIA, PA	12/2007	06/2008		
						D E TECHNOLOGIES, INC, KING OF				
2009	95	5.654	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	PRUSSIA, PA	12/2008	06/2009		
SH030 AERO-51B (MHU-227/M) TRAILER			,			,				
2006	150	5.613	NAWCADLKE, Lakehurst, NJ	04/2006	C-FFP	DEVAL CORP, PHILADELPHIA, PA	09/2006	03/2007		
2007	75	5.613	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	DEVAL CORP, PHILADELPHIA, PA	03/2007	07/2007		
2008			NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	DEVAL CORP, PHILADELPHIA, PA		07/2008		
2009	100		NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	DEVAL CORP, PHILADELPHIA, PA		07/2009		
SH033 LALS II LOADER		0.000				,	1	0.7.2000		
2007	15	120	NAWCADLKE, Lakehurst, NJ	01/2007	C-FFP	TBD	03/2007	03/2008		
2008			NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	TBD		12/2008		
2009			NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	TBD		12/2009		
SH034 LALS II REPLENISHER	20	120.	NAWOADERE, Earchardt, No	14/73	0111		03/2003	12/2003		
OHOST EAES II KEI EENISHEK						HYDRAULICS INTERNATIONAL INC,				
2006	50	16 28	NAWCADLKE, Lakehurst, NJ	04/2006	C-EED	CHATSWORTH, CA	00/2006	03/2007		
2000	30	10.20	NAWCADERE, Lakelidist, No	04/2000	0-111	HYDRAULICS INTERNATIONAL INC,	09/2000	03/2007		
2007	50	16 29	NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	CHATSWORTH, CA	03/2007	09/2007		
2007	50	10.20	NAVICADERE, Lakeriursi, NJ	IN/A	C-FFF	HYDRAULICS INTERNATIONAL INC,	03/2007	09/2007		
2008	33	16 202	NAMCADIKE Lakaburat NJ	N/A	C-FFP	CHATSWORTH, CA	02/2000	09/2008		
SH035 TTU-346/E VARIABLE TEST	33	16.303	NAWCADLKE, Lakehurst, NJ	IN/A	C-FFP	CHATSWORTH, CA	03/2006	09/2006		
WEIGHT										
2006	6	20.	NAWCADLKE, Lakehurst, NJ	04/2006	C-FFP	COMPUTA-BASE INC, BERLIN, NJ	06/2006	09/2006		
SH036 A/M32K-4A MUN TRLR	Ť		,, -			, , , , , , , , , , , , , , , , , , , ,	1			
REPLACEMENT				1						
2007	2	93	NAWCADLKE, Lakehurst, NJ	11/2006	C-FFP	TBD	03/2007	03/2008		
2009	158		NAWCADLKE, Lakehurst, NJ	N/A	C-FFP	TBD		03/2010		
SH037 NEXT GENERATION HANDLER	130	22.100	TO TO TO LINE, EUROPUIST, 140	IN/A	U-111		03/2009	33/2010		
(SHIP)										
(SHP)	3	625	NAWCADLKE, Lakehurst, NJ	02/2009	C-EED	TBD	03/2000	03/2010		
2008	, J	033.	INATIONDENE, LANCHUISI, IND	02/2009	10-11 F	טטו	03/2009	03/2010		l

REMARKS:

	BUDGET	ITEM .	JUSTIFICA	TION SHE	ET		DATE:					
			P-40					F	ebruary 20	07		
APPROPRIATION/BUI	DGET ACTIVI	TY				P-1 ITEM NO	DMENCLATU	RE	-			
OTHER PROC	UREMENT,	NAV	// BA-3 AV	IATION SU	PPORT							
	E	QUIPN	MENT			AIRCRAFT I	LAUNCH ANI	RECOVERY	( EQUIPMEN	T (ALRE) BLI	4216	
Program Element for C	ode B Items:					Other Relate	d Program El	ements				
0204112N and 020	)4161N					RDT&E: 06	03512N , 06	04512N				
	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
QUANTITY												
COST (In Millions)	\$728.9	A/B	\$24.0	\$29.7	\$38.9	\$47.2	\$133.9	\$117.6	\$110.5	\$98.7	CONTINUING	CONTINUING

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.

The FY 2008 budget request consists of Aircraft Carrier (Launcher, Arresting Gear and Visual Landing Aids) and Air Capable Ships (Helicopter Landing System) service change procurements (various quantities). Also included is equipment funding for Moriah Wind System (MWS - three systems), Advanced Recovery Control (ARC - ten systems), Aircraft Data Management and Control System Block 2 Upgrade (ADMACS BL2 - three systems), and their affiliated production support, as well as FMP and Non-FMP installations of various equipment and modifications purchased in FY 2008 or prior years.

The FY 2009 budget request consists of Aircraft Carrier (Launcher, Arresting Gear and Visual Landing Aids) and Air Capable Ships (Helicopter Landing System) service change procurements (various quantities). Also included is equipment funding for Moriah Wind System (MWS - two systems), Advanced Recovery Control (ARC - eleven systems), Aircraft Data Management and Control System Block 2 Upgrade (ADMACS BL2 - three systems), and their affiliated production support, as well as FMP and Non-FMP installations of various equipment and modifications purchased in FY 2009 or prior years.

CLASSIFICATION:

CLASSIFICATION:

**UNCLASSIFIED** 

WEAPONS SYSTEM COST ANALYSIS WEAPON SYSTEM DATE: February 2007 APPROPRIATION/BUDGET ACTIVITY P-1 ITEM NOMENCLATURE/SUBHEAD OTHER PROCUREMENT, NAVY/ BA-3 **AVIATION SUPPORT EQUIPMENT** AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) TOTAL COST IN THOUSANDS OF DOLLARS COST **ELEMENT OF COST** ID FY 2006 FY 2007 FY 2008 FY 2009 CODE Code Years Total Cost Quantity Unit Cost Total Cost Unit Cost **Total Cost** Unit Cost Total Cost Unit Cost Total Cost Service Change Kits SJ040 A/B 1,719 424 4,091 5,803 7,336 LAUNCHER Catapults - CVN 104 180 251 1,940 1,423 VISUAL LANDING AIDS Visual Landing Aids - CVN 979 545 140 827 1,768 Visual Landing Aids - ACS 827 2,625 286 RECOVERY Arresting Gear - CVN 770 104 1,430 993 1,432 Helicopter Landing System (HLS) - ACS 300 756 816 877 SJ260 MWS - CVN Α 2.254 472 944 517 517 SJ261 MWS - L Class 2 347 381 381 400 420 840 Α 625 694 3 1,200 2 SJ263 MWS-ACS Α SJ270 VISUAL - CVN Α 4.535 464 2.319 SJ271 VISUAL - Shorebased Α 402 803 SJ280 ARC CVN Α 5,930 1,074 3,223 5 1,084 5,422 10 988 9,881 10 930 9,298 SJ281 ARC Shorebased Α 1,368 1,368 SJ290 Auto Cross Check System 2,225 Α AAG - CVN SJ300 В SJ301 AAG-Shorebased В ADMACS Block 2 SJ302 1,390 4,170 3 2,022 В 3 6,066 SJ800 Integrated Logistics Suppport 2,075 2,283 2,170 1,815 1,461 SJ830 Production Engineering 7.693 3.358 4.560 5,107 3.911 SJ860 Acceptance, Test & Evaluation 35 SJ900 Installation - NFMP 1,331 2,018 3,178 3,621 3,626 SJ910 Installation - FMP 6,771 7,795 9,308 7,231 13,297 SJ990 Initial Training 70 N/A Various 1/ 693.211 23,951 29.697 47,203 728,919 38,863

VISUAL: Virtual Imaging System for Approach and Landing

CLASSIFICATION:

ITEM NO. 92 Page 2

**UNCLASSIFIED** 

CLASSIFICATION:

# **UNCLASSIFIED**

BUDGET PROCUREM	ENT HISTOR	Y AND PL	ANNING EXHIBIT (I	P-5A)		Weapon System		a. date <b>F</b> e	ebruary 20	07
B. APPROPRIATION/BUDGET Other Procurement, N BA-3 AVIATION SUPP	avy	/ENT			C. P-1 ITEM NON Aircraft Lau	MENCLATURE nch and Recovery Equi	pment (A	LRE)	SUBHEAD 43	SJ
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION	RFP ISSUE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY 2006										
SJ260 MWS - CVN	2	472	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA Quality Performance Inc	5/06	3/07	No	N/A
SJ261 MWS - L Class	2	347	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA L-3 Communications	5/06	3/07	No	N/A
SJ270 VISUAL-CVN	5	464	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA L-3 Communications	1/06	11/06	No	N/A
SJ271 VISUAL-SHORE	2	402	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA Northrop Grumman	5/06	3/07	No	N/A
SJ280 ARC - CVN	3	1074	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD	6/06	6/07	No	N/A
FY2007						Quality Performance Inc				
SJ260 MWS - CVN	1	517	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA  Quality Performance Inc	12/06	10/07	No	N/A
SJ261 MWS - L Class	1	381	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA Northrop Grumman	12/06	10/07	No	N/A
SJ280 ARC - CVN	5	1084	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD	12/06	12/07	No	N/A
FY2008						Quality Performance Inc				
SJ261 MWS - L Class	3	400	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA Northrop Grumman	12/07	10/08	No	N/A
SJ280 ARC - CVN	10	988	NAWCAD LIKEHRST	Not Applicable	FPI	Sykesville, MD	12/07	12/08	No	N/A
SJ302 ADMACS Block 2	3	1390	NAWCAD LKEHRST	Not Applicable	TBD	TBD	12/07	10/08	No	N/A
FY2009						Quality Performance Inc				
SJ261 MWS - L Class	2	420	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA Northrop Grumman	12/08	10/09	No	N/A
SJ280 ARC - CVN	10	930	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD Northrop Grumman	12/08	12/09	No	N/A
SJ281 ARC - Shorebased	1	1368	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD	12/08	12/09	No	N/A
SJ302 ADMACS Block 2	3	2022	NAWCAD LKEHRST	Not Applicable	TBD	TBD	12/08	10/09	No	N/A
DD Form 2446-1 IIII 87				P-1 SHOPPING LIS	_ <u> </u> 		Classific	otion:		

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST Classification:

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P3A		INDIVIDUA	AL MC	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:	Mk7 I	Mod 2,3,4		•	TYP	E MODIF	ICAT	ION:	Increa	ase Capa	bility/S	Safety	MOE	DIFICATIO	N TIT	LE:	Adva	nced Re	ecover	y Contro	ol - CVN	N SJ280
DESCRIPTION/JUSTIFICATION:																						
The ARC program, previously planned as M installed using FMP funding. This new Aird OAG Air Department Priority #3 to restore r	craft R	ecovery Co	ontrol	System w	ill acc	omplish	the ob	jectives	of the	FY 2001	CV O	peration a	Il Adv	isory Grou	p (OA	G) Priori	ty #1	2 Arresti	ing Ge	ear Impro		
DEVELOPMENT STATUS/MAJOR DEVELO	PME	NT MILEST	ONES	<b>S</b> :		Milestone	е С Ма	ay-2006				_										
	<u>Pr</u> QTY	ior Years \$	<u>F`</u> QTY	<u>Y 2006</u> \$	<u>F\</u> QTY	<u>/ 2007</u> \$	<u>FY</u> QTY	<u>′ 2008</u> \$	<u>FY</u> QTY	<u>′ 2009</u> \$	<u>F`</u> QTY	<u>Y 2010</u> \$	<u>F</u> QTY	<u>Y 2011</u> \$	<u>FY</u> QTY	<u>2012</u>	<u>FY</u>	<u>′ 2013</u>	QTY	TC \$	QTY	TOTAL \$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		25.781																				
PROCUREMENT																		1				
INSTALLATION KITS	6	5.930	3	3.223	5	5.422	10	9.881	10	9.298	5	5.068	4	4.677							43	43.499
INSTALLATION KITS - UNIT COST		0.988		1.074		1.084		0.988		0.930		1.014		1.169								1.012
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																		1				
EQUIPMENT NONRECURRING																		1				
ENGINEERING CHANGE ORDERS																		1				
DATA																		1				
TRAINING EQUIPMENT																		1				
SUPPORT EQUIPMENT																		1				
ILS		0.060		0.939		0.674		0.690		0.389		0.351		0.309		0.288						3.700
PE		0.188		0.740		1.427		1.606		1.021		0.876		0.972		0.716		1				7.546
ATE																		<u> </u>				
INTERIM CONTRACTOR SUPPORT																		<u> </u>				
INSTALL COST				0.400	9	2.776	5	1.864	10	3.377	10	3.168	5	1.311	4	1.102		<u> </u>				13.998
TOTAL PROCUREMENT		6.178		5.302		10.299		14.041		14.085		9.463		7.269		2.106						68.743

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																					
P3A (Continued)						INDIVIDU	AL M	ODIFICA	ΓΙΟΝ (	(Continue	ed)												
MODELS OF SYSTEMS AFF	ECTE	D:	Mk7	Mod 2,3,4				_ MO	DIFIC	ATION TI	TLE:	Adv	vance	d Recover	y Con	trol Syste	m - C	VN SJ2	80				-
INSTALLATION INFORMATI	ON:																						
METHOD OF IMPLEMENTA	TION:	Shi	ipyard,	/AIT																			
ADMINISTRATIVE LEADTIM	IE:	2 m	onths				_	PRODU	CTION	I LEADTII	ME:	12	month	าร									
CONTRACT DATES:			FY 2	2006:		Jun-06	_	FY	2007:		De	ec-06		FY 2008		Dec-07		FY 2009	: [	Dec-08			
DELIVERY DATE:			FY 2	2006:		Jun-07		FY	2007:		De	ec-07	_	FY 2008		Dec-08	_	FY 2009	:	Dec-09	-		
								•				-	_				_				_		
										(\$ in N													-
Cost:		Years	F	Y 2006	F	Y 2007	F	Y 2008	F'	Y 2009		FY2010	F	Y 2011	F	Y 2012	F	Y 2013	To C	omplete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT																							
PRIOR YEARS																							
FY 2005 EQUIPMENT			AP	0.400	6	1.714															6	2.114	
FY 2006 EQUIPMENT					3	0.857															3	0.857	
FY 2007 EQUIPMENT					AP	0.205	5	1.445													5	1.650	
FY 2008 EQUIPMENT							AP	0.419	10	2.949											10	3.368	
FY 2009 EQUIPMENT									AP	0.428	10										10	3.377	
FY 2010 EQUIPMENT											AP	0.219	5	1.088							5	1.088	
FY 2011 EQUIPMENT													AP	0.223	4	1.102					4	1.325	
TO COMPLETE																							
INSTALL COST				0.400	9	2.776	5	1.864	10	3.377	10	3.168	5	1.311	4	1.102					43	13.779	_
INSTALLATION SCHEDU FY 2005 & Prior In Out 0	5	FY 2006 2 3 0 0 0 0	-	1 2 0 0 0 0	2007 3 4 4	4 1 5 5 5 0	FY 2 0 0	2008 3 4 0 0 0 5	1 5 0	FY 2009 2 3 5 0 0 5	-	1 2 5 5	2010 3 0 0	4 1 0 5 5 5	FY: 2 0 0	2011 3 4 0 0 0 0	4	FY 2012 2 3 0 0 4 0	2 4 0 0	1 2	2013 3 0 0	4 0 0 0 0	TOTAL 43 43
Total OPN Inventory Object Note: AP is advanced plan				on is 43.																		P-3,	
<del>-</del>								Iten	n 92		P	AGE 5								CLASSI	FICAT	ION: UNC	CLASSIFIED

CLASSIFICATION: P3A	UNCLASSIFIED	INDIVIDUAL	MODIFICATION								
MODELS OF SYSTE	M AFFECTED:	ADMACS Block 2	TYPE MC	DIFICATION:	Increase Capability/	/Safety	MODIFICATIO	N TITLE:	ADMACS Bloc	k 2 Upgrade	SJ302
	lanagement and Conformation managem	•	S) grew out of the Aviati Il provide data required		•	,	,		•		
DEVELOPMENT STA	ATUS/MAJOR DEVE	LOPMENT MILESTOI	NES: <u>DT-IIA 20</u>	22007, OT & MS		– - :V 2010	FV 2011	FY 2012	FY 2013	TC	TOTAL

DEVELOPMENT STATUS/MAJOR DEVELO	OPME	NT MILEST	ONES	S:	DT-II	A 2Q200	07, OT	& MS-C	1Q20	80		-										
	<u>Pr</u> QTY	ior Years	<u>F\</u> QTY	<u>2006</u>	<u>FY</u> QTY	2007 \$	<u>FY</u> QTY	<u>2008</u>	<u>FY</u> QTY	′ 2009 \$	<u>F\</u> QTY	<u>2010</u>	<u>F</u> QTY	Y 2011 \$	<u>FY</u> QTY	2012 ¢	<u>FY</u>	2013	QTY	TC ¢	QTY	TOTAL \$
FINANCIAL PLAN (IN MILLIONS)	QII	I v		Ψ	I I	Ψ	1	Ψ	QII	Ψ	I	Ψ I	<u>Q11</u>	Ψ	QII	Ψ			QII	Ψ	I I	Ψ
RDT&E		9.250				3.660		1.725		0.715												15.350
PROCUREMENT		0.200				0.000		20		010												.0.000
INSTALLATION KITS							2	3.962	3	6.066	1	2.065	2	2.828							8	14.921
INSTALLATION KITS - UNIT COST								1.981		2.022		2.065		1.414								1.865
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
Productionized RDT&E Test Article							1	0.208													1	0.208
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS								0.098		0.198		0.200		0.200		0.096						0.792
PE								0.148		0.594		1.400		1.400		0.170				•		3.712
ATE																·				•		
INTERIM CONTRACTOR SUPPORT																·				•		
INSTALL COST								1.098	3	5.273	3	6.249	1	3.038	2	3.212				•	9	18.870
TOTAL PROCUREMENT								5.514		12.131		9.914		7.466		3.478				•		38.503

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CLASSIFICATION: UNCLASSIFIED

P3A (Continued)	ASSIFIE	ט				INDIVID	UAL N	IODIFICA	TION	(Continue	ed)												
. 5. (50/11/1404)										,	,												
MODELS OF SYSTEMS AF	FECTE	:D:	ADI	MACS Blo	ck 2			_ MC	DIFIC	ATION TI	TLE:	AD	MACS	Block 2 L	Jpgrad	de SJ3	02						
INSTALLATION INFORMAT	ΓΙΟΝ:																						
METHOD OF IMPLEMENTA	ATION:	Sh	ipyard	/AIT																			
ADMINISTRATIVE LEADTII	ME:	2 n	nonth					PRODU	CTION	N LEADTI	ME:	10	month	ıs									
CONTRACT DATES:			FY	2006:				FY	2007:					FY 2008:		Dec-07		FY 2009	): Г	Dec-08			
DELIVERY DATE:			FY	2006:				FY	2007:				_	FY 2008:		Oct-08		FY 2009	):	Oct-09			
										(\$ in N	1illions	s)											
Cost:	Prior	Years	F	Y 2006	F	Y 2007	F	Y 2008	F	Y 2009		Y2010	F	Y 2011	F`	Y 2012	F`	Y 2013	To C	omplete		Total	
	Qty	\$	Qty	\$	Qty		Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS					T				ĺ			*		*				*				*	
FY 2006 EQUIPMENT																							
FY 2007 EQUIPMENT																							
FY 2008 EQUIPMENT							AP	1.098	3	4.018											3	5.116	
FY 2009 EQUIPMENT									AP	1.255	3	5.822									3	7.077	
FY 2010 EQUIPMENT											AP	0.427	1	2.166							1	2.593	
FY 2011 EQUIPMENT													AP	0.872	2	3.212					2	4.084	
FY 2011 EQUIPMENT																			<u>                                     </u>				
FY 2012 EQUIPMENT									ļ										!				
TO COMPLETE								4.000		5.070		0.040		0.000		0.010						10.070	
INSTALL COST								1.098	3	5.273	3	6.249	1	3.038	2	3.212					9	18.870	
INSTALLATION SCHEDI												1											
FY 200		FY 2006	_		2007			2008		FY 2009			2010		_	<u> 2011</u>		FY 2012			<u> 2013</u>	TC	
& Prio		2 3		1 2		4 1		3 4	1	2 3	4	1 2	3	4 1	2	3 4		2 3		1 2	3	-	TOT
In 0	0	0 0		0 0	-	0 (		0 0	2	1 0	0	2 1	0	0   1	0	0 0		0 0	0	0 0	0	0 0	9
Out 0	0	0 0	0	0 0	0	0 (	0	0 0	1	1 1	0	1 0	1	1 1	0	0 0	0	1 1	0	0 0	0	0 0	9
Note: AP is advanced pla	anning fo	or installa	tion.																				
																						P-3A	

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CLASSIFICATION: UNCLASSIFIED

#### CLASSIFICATION

BUDGET ITEM JUSTIFIC	ATION SHE	ET					DATE		February 2007	
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT					P-1 ITEM NOME 4226 METEORO		MENT		SUBHEAD 53SP	
	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	FY2012	FY2013	то сомр	TOTAL
QUANTITY										
COST (in millions)	22.5	14.3	12.2	30.5	38.1	38.7	42.0	39.3	Cont	Cont

#### PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations, 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) 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 (TESS) Upgrade: Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities. TESS Upgrades include Afloat, Ashore and Mobile variants.

Fleet Marine Force (FMF) Meteorological Equipment: Meteorological equipment required to maintain, upgrade, and replace the Meteorological Mobile Facility Replacement (METMF (R)) with a modular, scalable, fully integrated, network-centric, next generation 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) 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.

GWOT (Global War On Terrorism): The requested system will provide the Marine Wing Support Squadron (MWSS) METOC Sections with a critical stand-alone meteorological sensing capability to enhance the accuracy and timeliness of critical meteorological information required to support tactical flight operations and enhance safety of flight support. Rapidly changing meteorological conditions to include fluctuating cloud heights and visibility within the Central Command Area Of Responsibility (CENTCOM AOR) require a 24-hour, autonomously operated meteorological sensor suite capable of precisely sensing/observing and recording all meteorological parameters to enhance the MWSS METOC Section's ability to alert the Air Traffic Control (ATC) tower, flying squadrons, pilots, and aircrew when minimum and/or severe meteorological conditions impact the safe launch and recovery of aircraft at an enduring Forward Operating Base/Forward Arming Refueling Point (FOB/FARP). Additionally, the capability to track severe weather conditions utilizing real time location, identification and tracking of potential lightening strikes produced by Thunderstorms will enhance safety of flight support as well as enhance Force Protection support for personnel and equipment located at a FOB/FARP.

National Polar-orbiting Operational Satellite System (NPOESS) Readiness Beginning in FY09 readiness of the NPOESS will require the procurement and installation of software products developed to support the Navy's Atmospheric and Oceanographic Prediction Models, including Coupled Ocean/Atmosphere Mesoscale Prediction System (COAMPS), Navy Operational Global Atmospheric Prediction System (NOGAPS), Naval Research Laboratory (NRL) Layered Ocean Model (NLOM), and Naval Coastal Model (NCOM). These models, run at NRL Monterey and NRL Stennis, first require update and installation of assimilation programs including the Multi-viriate Optimal Interpolation (MVOI), Naval Coupled Ocean Data Assimilation (NCODA), Modular Ocean Data Assimilation System (MODAS), and Naval Atmospheric Variable Data Assimilation System-Accelerated Representor (NAVDAS-AR) before the predictions models can produce Warfighter METOC products. Along with the procurement of software, computer systems hardware upgrades will be necessary to accommodate increased data storage and band width requirements.

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

Runway Visual Range for NAS Lemoore, (Congressional Interest) Procurement and installation of a Runway Visual Range (RVR) system at Naval Air Station (NAS) Lemoore, CA. RVR denotes the visible range over which the pilot of an aircraft on the center line of a runway can see the runway surface markings or the lights which delineate the runway boundaries or the runway's center line. To meet Federal and DOD directives to satisfy safety of flight requirements, the Federal Aviation Administration (FAA) requires RVR systems to support Instrument Flight Rule (IFR) operations. Specifically, IFR conditions occur when the prevailing visibility is one mile or less and/or the RVR is 6,000 feet or less. The geographic area at NAS Lemoore is well known for long, continuous periods of IFR conditions that are caused by low-lying radiation fog.

<u>Littoral Battlespace Sensing, Fusion, and Integration (LBSF&I)</u>: Procures unmanned ocean and atmospheric sensor systems beginning in FY09. These include powered Autonomous Undersea Vehicles (AUVs) and long duration buoyancy driven ocean gliders for ocean sensing and a weather radar capability using existing SPS-48 (E and G) and SPY-1 radar systems.

Exhibit P-40, Budget Item Justification Unclassified Classification

# UNCLASSIFIED CLASSIFICATION

	COST ANALYSIS												February 2007		
APPROPR	IATION ACTIVITY									SUBHEAD					
OP,N - BA3	AVIATION SUPPORT EQUIPMENT		1							53SP					
			PY		FY 20	006		Y 2007			FY 2008			FY 2009	
COST		ID	TOTAL		UNIT	TOTAL		UNIT	TOTAL		UNIT	TOTAL		UNIT	TOTAL
CODE	ELEMENT OF COST	CODE	COST	QTY	COST	COST	QTY	COST	COST	QTY	COST	COST	QTY	COST	COST
SP051	Satellite Receiver Upgrades (Space)	Α				2,300	VAR			VAR		920	VAR		1,243
SP190	TESS Upgrades	Α				11,982	VAR		4,234	VAR		2,150	VAR		3,220
SP300 SPGWT	Met Equipment (METMF(R)) Met Equipment (METMF(R)) Upgrades (METMF(R)) GWOT (Global War On Terrorism) Funding	A A				2,519 0	VAR VAR		2,373 500			2,890 0	VAR		3,098 0
SP400	National Polar-orbiting Operational Environmental Satellite System (NPOESS) Readiness												VAR		4,186
SP550	Aviation Safety System Upgrades Runway Visual Range for NAS Lemoore (Cong Add)	Α				3,064 0	VAR VAR		2,149 1,000			3,247 0	VAR		4,373 0
SP555	Production Support	Α				0			0			0			0
SP600	Littoral Battlespace Sensors, Fusion & Integration					0			0	ı		0			11,500
	Installation					2,624	VAR		3,210			3,041			2,834
SP776 SP777 SP777	Non-FMP FMP DSA					1,171 1,453 0			1,536 1,674			1,378 1,663 0			1,102 1,460 272
	TOTAL CONTROL					22,489			#VALUE	!		12,248		0	30,454

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

DD FORM 2446, JUN 86

Exhibit P-5, Cost Analysis

Unclassified

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP) February 2007

COST CODE

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 (GCES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities to receive and reprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

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

	Prior Y
	Qty
RDT&E PROCUREMENT: Kit Quantity Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Production Support	VAR
DSA Interim Contractor Support Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP	84 84
FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 08 EQUIP FY 08 EQUIP FY 10 EQUIP FY 11 EQUIP FY 12 EQUIP	

FINANCIAL PLAN: (\$ in millions)																								
	Prior Yrs		<u>′ 05</u>		FY 06		FY 07		FY 08		FY 09		FY 10		FY 11		FY 12		FY 13	TC			<u>tal</u>	
	Qty \$	Qty	\$	Qty	\$	Qty	\$		\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment	VAR	VAR	0.9	VAR	1.3							VAR	0.2	VAR	0.2	VAR	0.2	VAR	0.2	CONT			CONT	
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Production Support			0.1		0.0																			
DSA			0		0.0																			
Interim Contractor Support																								
Installation of Hardware	84	12	0.3	12	0.3	10	0.4	10	0.3	11	0.2	10	0.2	10	0.2	10	0.3	10	0.3	CONT	CONT		CONT	
PRIOR YR EQUIP	84		0.0		0.0		0.4		0.0		0.2		0.2		0.2	10	0.0		0.0	00111	00111	84	00111	
FY 00 EQUIP	04																					04		
FY 01 EQUIP																								
FY 02 EQUIP																								
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP		12	0.3																			12	0.3	
FY 06 EQUIP				12	0.3																	12	0.3	
FY 07 EQUIP						10	0.4															10	0.4	
FY 08 EQUIP								10	0.3													10	0.3	
FY 09 EQUIP										11	0.2											11	0.2	
FY 10 EQUIP												10	0.2									10	0.2	
FY 11 EQUIP														10	0.2							10	0.2	
FY 12 EQUIP																10	0.3					10	0.3	
FY 13 EQUIP																		10	0.3			10	0.3	
FY TC EQUIP																				CONT				
TOTAL INSTALLATION COST			0.3		0.3		0.4		0.3		0.2		0.2		0.2		0.3		0.3		CONT		CONT	
TOTAL PROCUREMENT COST			1.3		1.6		0.4		0.3		0.2		0.4		0.5		0.5		0.5		CONT		CONT	
METHOD OF IMPLEMENTATION:									ADMINIS	TRATIV	E LEAD	TIME:	1 mon	th			PRODUC	CTION LE	ADTIME:		10 month	S		
					_				_				_		_									
	CONTRACT	DATES:		FY 200	6:	Nov-05		FY 2007	<b>'</b> :	Nov-06	i	FY 2008	3:	Nov-07	<b>'</b>	FY 2009		Nov-08						
	DELIVERY D	ATEC.		FY 200	ıc.	Aug OG		FY 2007	<b>,</b> .	Λυα 07		FY 2008	٥.	Λιια 00	,	FY 2009:		Λυα 00						
	DELIVERT	MIES:		F1 200	O.	Aug-06		F1 2007	•	Aug-07		F1 2000	э.	Aug-08	•	F1 2009		Aug-09						
				FY	<u>′ 07</u>				FY 08					FY 09										
INSTALLATION SCHEDULE:	PY		1_	2	3	4	_	1_	2	3	4	_	1_	2	3	4	_							
		-					-					-					-							
INPUT	108		2	2	3	3		2	2	3	3		3	3	3	2								

	CONTRACT DATES:		FY 200	6:	Nov-05	FY	2007	7:	Nov-06	6	FY 2008:		Nov-07		FY 2009:		Nov-08						
	DELIVERY DATES:		FY 200	6:	Aug-06	FY	2007	7:	Aug-07	,	FY 2008:		Aug-08		FY 2009:		Aug-09						
			FY	07				FY 08					FY 09										
INSTALLATION SCHEDULE:	PY	1	2	3	4	_	1	2	3	4		1	2	3	4								
INPUT	108	2	2	3	3		2	2	3	3		3	3	3	2								
OUTPUT	108	2	2	3	3		2	2	3	3		3	3	3	2								
			E)/	10				EV 44					_	V 40				F)/ 40					
INSTALLATION SCHEDULE:	_	1	2 2	<u>10</u> 3	4		1	<u>FY 11</u> 2	3	4		1	2	<u>Y 12</u> 3	4	,	1	<u>FY 13</u> 2	3	4	I	<u>c</u>	<u>T</u> (
INPUT		3	3	2	2		3	3	2	2		3	3	2	2		3	3	2	2	CC	DNT	С
OUTPUT		3	3	2	2		3	3	2	2		3	3	2	2		3	3	2	2	CC	DNT	С

Notes/Comments:

Exhibit P-3a, Individual Modification Program Unclassified Classification

**TOTAL** CONT

CONT

<sup>1/\*</sup>Install quantities beginning in FY05 are based on CNO Availability.

<sup>2/ \*</sup>FY05-11 No DSA required (FC not Ship Alt)

<sup>3/ \*</sup>Accelerated FCIII Procurements - Complete buy in FY06, H/W install will occur in FY07-09 due to CNO availabilities, FY10-out installs are S/W upgrades.

<sup>4/ \*</sup>FY07/08 install quantities decreased from PB07 due to increased installation costs.

SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE) February 2007 MODIFICATION TITLE:

COST CODE

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities to receive and reprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

(+,	Prior Yrs		<u>′ 05</u>	FY		FY 07		FY 08			FY 09		FY 10		FY 11 \$		FY 12		FY 13 \$	. 1	<u>C</u>		otal .
	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment	VAR	VAR	0.9	VAR	1.0	VAR	0.9	VAR	0.9	VAR	1.2	VAR	1.1	VAR	1.1	VAR	1.1	VAR	1.1	CONT			CONT
Equipment Nonrecurring Engineering Change Orders Data Training Equipment Production Support			0.1		0.0																		
Shore Pre-Installation Design Interim Contractor Support			0		0.0																		
Installation of Hardware PRIOR YR EQUIP	69 69	16	0.5	16	0.5	17	0.4	20	0.4	12	0.4	13	0.4	18	0.4	12	0.4	12	0.4	CONT	CONT	00	CONT
FY 00 EQUIP	69																					69	ļ
FY 01 EQUIP FY 02 EQUIP																							
FY 02 EQUIP FY 03 EQUIP																							
FY 04 EQUIP		5	0.1																			5	0.1
FY 05 EQUIP		11	0.3	5	0.1																	16	0.4
FY 06 EQUIP				11	0.3	5	0.1															16	0.4
FY 07 EQUIP						12	0.3	5	0.1													17	0.4
FY 08 EQUIP								15	0.3	5	0.1											20	0.4
FY 09 EQUIP										7		5	0.1									12	0.4
FY 10 EQUIP												8	0.3	5	0.1							13	0.4
FY 11 EQUIP														13	0.3	5	0.2					18	0.4
FY 12 EQUIP																7	0.3	5	0.2			12	0.4
FY 13 EQUIP																· ·	0.0	7	0.3			7	0.3
FY TC EQUIP												1						1 '	0.0	CONT			0.0
TOTAL INSTALLATION COST			0.5		0.5		0.4		0.4		0.4		0.4		0.4		0.4		0.4	1	CONT	CONT	CONT
TOTAL PROCUREMENT COST			1.5		1.5		1.3		1.3		1.7	Ì	1.5		1.6		1.5		1.5		CONT	CONT	CONT
METHOD OF IMPLEMENTATION:		-		-		•		•	ADMINI	STRATIV	/E LEAI	OTIME:	1 month	•		PRODUC	CTION L	EADTIME	:		= 10 mon		
																				FMQ-17	= 3 month	ıs	

									FMQ-17 = 3	months	
	CONTRACT DATES:	FY 2006:	Nov-05	FY 2007:	Nov-06	FY 2008:	Nov-07	FY 2009:	Nov-08		
	DELIVERY DATES:	FY 2006:	Aug-06 SMQ- Feb-06 FMQ-		Aug-07 SMQ-11 Feb-07 FMQ-17		Aug-08 SMQ-1 Feb-08 FMQ-17		Aug-09 SMQ-11 Feb-09 FMQ-17		
INSTALLATION SCHEDULE:	PY	1 2	FY 07 3 4	1	2 3 4	1	2 FY 09 2 3	4			
INPUT	101	5 5	5 2	5	5 5 5	3	3 3	3			
OUTPUT	101	5 5	5 2	5	5 5 5	3	3 3	3			
		12	FY 10 3 4	11_	FY 11 2 3 4	1	2 FY 12 2 3	4	F <u>Y 13</u> 1 2	3 4	
INSTALLATION SCHEDULE:		4 3	3 3	4	5 4 5	3	3 3	3	3 2	2 2	TOTAL CONT
OUTPUT		4 3	3 3	4	5 4 5	3	3 3	3	3 2	2 2	CONT

Notes/Comments:

1/ Install quantities have increased due to an increase in requirement for reach back capability.

2/ FY09-11 Procurement includes H/W refresh for LRD.

3/ \*FY07/09/10 install quantities decreased from PB07 due to increased installation costs.

Exhibit P-3a, Individual Modification Program Unclassified Classification

TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP) MODIFICATION TITLE: February 2007

COST CODE

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

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

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		<u>′ 05</u>	FY		FY (		FY		. ــ ا	FY09		<u>′ 10</u>		<u>′11</u>	<u>FY 1</u>		FY13		<u> </u>	<u>C</u>	<u>Total</u>	
RDT&E PROCUREMENT:	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty \$	
Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring	43.0	VAR	9.3	VAR	7.2	VAR	2.1	VAR	1.3	VAR	2.1	VAR	5.0	VAR	3.8	VAR	3.9	VAR	3.9	CONT		CONT	
Engineering Change Orders Data Training Equipment Production Support DSA			0.1 0.2								0.3		0.4		0.6		0.2						
Interim Contractor Support Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP FY 01 EQUIP	42 42	VAR	1.1	VAR	1.1	VAR	1.2	VAR	1.3	VAR	1.2	VAR	1.0	VAR	1.0	VAR	1.6	VAR	0.7	CONT	CONT	CONT	
FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 07 EQUIP		VAR	1.1	VAR	1.1	VAR	1.2	VAR	1.3													1.1 1.1 1.2 1.3	
FY09 EQUIP FY10 EQUIP FY11 EQUIP FY12 EQUIP FY13 EQUIP FY15 EQUIP FY TC EQUIP								VAR	1.3	VAR	1.2	VAR	1.0	VAR	1.0	VAR	1.6	VAR	0.7			1.3 1.2 1.0 1.0 1.6 0.7	
TOTAL INSTALLATION COST			1.4		1.1		1.2		1.3		1.5		1.4		1.5		1.7		0.7			CONT	1
TOTAL PROCUREMENT COST			10.8		8.3		3.4		2.6		3.6		6.3		5.4		5.7		4.6			CONT	j
METHOD OF IMPLEMENTATION:									ADMINI	STRATI	/E LEADTIME:			1 month	า			PRODUCTION	I LEAD	TIME:		10 month	3
	CONTRACT			FY 2006		Nov-05			FY 200		Nov-06			FY 200		Nov-07			FY 200		Nov-08		
	DELIVERY D	ATES:			3: Jar	n-06 - Sep	-06		FY 200		Jan-07 - Sep-07			FY 200	8: Ja	n-08 - Sep	-08		FY 200	19: Jar	1-09 - Sep	-09	
INSTALLATION SCHEDULE:	PY	1	2 2	<u>' 07</u> 3	4	=	1	2	3 <u>F\</u>	<u>/ 08</u> 4		1	2 <u>FY</u>	<u>09</u> 3	4	•							
INPUT	48																						
OUTPUT	45																						
INSTALLATION SCHEDULE:		1	<u>FY</u> 2	<u>′ 10</u> 3	4	_	1	2 <u>FY</u>	11 3	4		1	2	FY 12 3	4	<u>.</u>	1	<u>FY 1</u> 2	<u>3</u> 3	4	_	тс	<u>TOTAL</u>
INPUT																						CONT	CONT
OUTPUT																						CONT	CONT

Notes/Comments: 1/ Equipment is procured to meet installation availability windows.

2/ FY06 and out reflect engineering changes, field changes and mail-outs to support 28 ships, 36 shore sites and 103 mobile units.

3/ Installation increases in FY06 and out reflect new costs for Installation Management Office (IMO) and shipyard fees;

installations were previously exempt from IMO process.

4/ Change from PB 06 Ship and Shore is due to new ship requirements.

5/ VAR Quantities represent backfit systems.

Exhibit P-3a, Individual Modification Program Unclassified Classification MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE)

COST CODE SP19

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

The Tactical Environmental Support System (TESS) Upgrade procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities.

TESS Upgrades include Afloat, Ashore and Mobile variants.

#### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

TIVANOIAE LEAN. (\$ IIT TIIIII OTIS)	Prior Yrs	FY 05		FY 06	. 1	FY		FY		FY		<u>FY</u>	<u>/ 10</u>	FY		FY		FY	<u>′13</u>	1	C	<u>Total</u>	
RDT&E	Qty \$	Qty	\$	Qty S	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty \$	
PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data	37	VAR 2	2.3	VAR 4.	.8	VAR	2.1	VAR	0.9	VAR	0.9	VAR	4.6	VAR	3.5	VAR	3.7	VAR	5.7	CONT		CONT	
Training Equipment Production Support Shore Pre-Installation Design Interim Contractor Support Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP FY 01 EQUIP	37 37	VAR (	0.2	VAR 0.	.7	VAR	0.3	VAR	0.3	VAR	0.2	VAR	0.4	VAR	0.2	VAR	0.2	VAR	0.4	CONT	CONT	CONT	
FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 08 EQUIP FY 09 EQUIP FY 10 EQUIP FY 11 EQUIP FY11 EQUIP FY12 EQUIP		VAR (	0.2	VAR 0.		VAR	0.8	VAR	0.7	VAR	0.5	VAR	0.8	VAR	0.5	VAR	0.6	VAR	0.0			0.2 0.7 0.8 0.7 0.5 0.8 0.5	
FY13 EQUIP FY TC EQUIP																		VAR	0.8	CONT		0.8	
TOTAL INSTALLATION COST			0.2		.7		1.2		1.0		0.7		1.2		0.7 4.3		0.8		1.2 6.9		CONT	CONT	
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:		1	2.6	5.	.5		3.3		1.8 ADMINIS	I STRATI\	1.6 /F I FAI	TIME:	5.8 1 month		4.3	l	4.5	PRODUC		Eadtime	CONT	2 months	
WETTOD OF IN ELWENTATION.									- DIVINITIO	JIIVAIII									JIIOIV L	LAD I IIVIL			
	CONTRACT	DATES:	ı	FY 2006:				Nov-05			FY 200	)7:	Nov-06		FY 2008	3:		Nov-07			FY 2009:	Nov-08	
	DELIVERY D	ATES:	ı	FY 2006:				Jan-06			FY 200	)7:	Jan-07		FY 2008	3:		Jan-08			FY 2009:	Jan-09	
INSTALLATION SCHEDULE:	<u>PY</u> 41		1	<u>FY 07</u> 2	3	4		1	2	FY 08 3	4		1	<u>FY</u> 2	<u>09</u> 3	4							
OUTPUT	41																						
INSTALLATION SCHEDULE:			1	<u>FY 10</u> 2	3	4		1	<u>FY 1</u> 2	<u>11</u> 3	4		1	<u>FY</u> 2	<u>12</u> 3	4		1	2 <u>F</u>	<u>/ 13</u> 3	4	TC	TOTAL
INPUT																						CONT	CONT
OUTPUT																						CONT	CONT

Notes/Comments: 1/ FY06 and out reflect engineering changes, field changes and mail-outs to support 28 ships, 36 shore sites and 103 mobile units.

2/ VAR Quantities represent backfit systems.

Exhibit P-3a, Individual Modification Program Unclassified Classification

	1	BUDGE <sup>*</sup> P-40	T ITEM JU	STIFICATI	ON SHEET	-					DATE: February	2007
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	.ATURE			
Other Procurement, Navy	BA 3 - A\	/IATION	SUPPOR	T EQUIPM	ENT		424200, D	CRS/DPL				
Program Element for Code B Items:	ts											
	I											
	Prior	ID	_,,,,,,,		_,,,,,,						То	Total
	Years	Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Complete	Program
Quantity												
Cost (\$M)	\$82.2	Α	\$1.4	\$1.5	\$1.5	\$1.6	\$1.6	\$1.6	\$1.7	\$1.7	Cont	Cont
Spares Cost (\$M)			\$0.2	\$0.1	\$0.2	\$0.2	\$0.2	\$0.1	\$0.1	\$0.1	Cont	Cont

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

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

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

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

CLASSIFICATION:

<b>BUDGET ITEM JUSTIFICATION SHEET FO</b>	R											
AGGREGATED ITEMS											DATE:	
P-40a											<b>February</b>	2007
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	.ATURE			
OTHER PROCUREMENT, NAVY/ BA 3 -												
AVIATION SUPPORT EQUIPMENT							424200, D	CRS/DPL				
Procurement Items	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program
SX020 DIGITAL PHOTO LAB WORKCENTER												
Quantity	Α	49	3	3	3	3	3					
Funding		6,874	444	461	431	458						
SX021 DIGITAL SLR COLOR CAMERA												
Quantity	Α	97	10	10	10	10						
Funding		2,372	50	50	50	53						
SX100 DIGITAL CAMERA RECEIVING STATION												
Quantity	Α	42	3	3	3	3	3					
Funding		6,820	442	454	511	535						
		00.400	470	400	5.15	507						
Other Costs		66,199	479	488	515	527						
Total P-1 Funding		82,265	1,415	1,453	1,507	1,573	<u> </u>					

DD Form 2454 Jun 86

		BUDGE P-40	T ITEM JU	STIFICATION	ON SHEET						DATE: February 2	2007
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	BA 3 - AV	/IATION	SUPPORT	EQUIPME	NT		P-1 ITEM I		ATURE			
Program Element for Code B Items:	3											
	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Progran
Quantity												
Cost (\$M)	\$330.9	A/B	\$37.8	\$15.5	\$12.8	\$18.1	\$21.0	\$35.4	\$48.2	\$43.2	Cont	Cont

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

#### NEW SURVIVAL RADIO - SY030

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

#### COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060

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

#### JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR (JALEPY) - SY085

- JALEPV has been designated as a ACAT IVM Program. The Naw is the lead service for this program. The JALEPV is being developed to provide day and limited night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The 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.

#### AIRCREW ENDURANCE - SY125 (Name changed from Non-Ejection Endurance)

The Aircrew Endurance 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 MC coyote color schemes. These improvements will address issues associated with heat stress, physical fatique, safety and loss of mobility on long duration missions

#### MULTI-CLIMATE PROTECTION SYSTEMS (MCP) - SY146 (CONGRESSIONAL ADD FOR FY06 AND FY07)

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

#### NIGHT VISION GOGGLES WIDE FIELD OF VIEW (TACAIR) - SY213

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

#### NIGHT VISION GOGGLES WIDE FIELD OF VIEW (ROTARY) - SY214

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

		BUDGE P-40	T ITEM JU	STIFICATION	ON SHEET						DATE: February	2007			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	BA 3 - A\	/IATION	SUPPORT	EQUIPME	NT		P-1 ITEM I								
Program Element for Code B Items:															
	Prior Years	ID Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program			
Quantity															
Cost (\$M)	\$43.2	Cont	Cont												

#### JOINT HELMET MOUNTED CUEING SYSTEM (JHMCS) NIGHT VISION INTEGRATION - SY215

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

#### ANV-6 MONOCULAR CONVERSION - SY216

Survival Night Vision Scopes (SNVS), Model F6015S, are made by reutilizing the the optics (eyepiece and objective lens assembles) and image tubes from ANAVS-6 Night Vision Goggles (NVG's) 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 ANAVS-6 NVG. The SNVS will provide night vision capability for survival, escape and evasion for TACAIR and rotary-wing operators as NVG's are designed to break-away during emergency egrees.

#### FLIGHT DECK CRANIAL - SY505

An lightweight head protection device that incorporates state of the art advancements in hearing protection, speech intelligibility, provides 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.

#### JOINT WATER ACTIVATED RELEASE SYSTEM (JWARS) - SY700 (CONGRESSIONAL ADD FOR FY06)

JWARS is an improved parachute release fitting which separates the aircrew from the parachute automatically upon contact with the water. The current generation of release fittings will be replaced with smaller, lighter fittings which contain a built in test function. JWARS will provide both performance and Life Cycle Cost benefits over the current generation of release fittings.

#### MASK BREATHING UNIT (MBU-23/P) OXYGEN MASKS - SY710 (CONGRESSIONAL ADD FOR FY06 AND FY07)

- The MBU-23/P Oxygen Mask and Microphone (MIC) are designed for use in US Naw tactical aircraft for both Pressure Breathing for Gravity (PBG) and Non-PBG applications. The MBU-23/P Mask provide +600 knot windblast protection. The MIC provides improved communications and personnel fitting capability.

#### RI-2200 LONG ARM HIGH INTENSITY SEARCHLIGHTS - SY730 (CONGRESSIONAL ADD FOR FY07)

- The RI-200 is a high intensity, hand held searchlight with the capability of using an Infra-Red lens.

#### JOINT TECHNICAL DATA INTEGRATION/AUTOMATED MAINTENANCE EQUIPMENT (JTDI/AME) - SY900 (CONGRESSIONAL ADD FOR FY06)

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

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System									DATE:			
	P5											Februa	ry 2007		
APPRO	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	MENCLATUR	E			
OTHER	PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPOR	T EQUIPM	ENT						A/B	424400, AVIA	TION LIFE SI	UPPORT			
			Dollars in Thous	ands					•	•					
			Prior Years		FY 2006			FY 2007			FY 2008			FY 2009	
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
SY030	SURVIVAL RADIO	Α	38,359	3,977	2.537	10,088									1
SY060	CSEL	Α	26,805	1,313	9.796	12,862	299	10.035	3,000	516	10.034	5,178	235	10.889	2,559
SY085	JALEPV	Α	5,001	190	5.499	1,045	116	5.499	638				109	5.499	599
SY125	AIRCREW ENDURANCE	В											131	4.385	574
SY146	MULTI-CLIMATE PROTECTION SYSTEM	Α	5,425	1,402	1.574	2,207	576	1.6	922	662	1.574	1,042	662	1.574	1,042
SY213	NVG WIDE FIELD OF VIEW (TACTICAL)	В													í l
SY214	NVG WIDE FIELD OF VIEW (ROTARY)	В													í l
SY215	JHMCS NIGHT VISION INTEGRATION	В								61	49.999	3,050	148	49.999	7,400
SY216	SURVIVAL NIGHT VISION SCOPES (SNVS)	В											5,064	.415	2,101
SY505	FLIGHT DECK CRANIAL	В													í l
SY700	JOINT WATER ACTIVATED RELEASE SYSTEM (JWARS)	Α		1,037	2.502	2,595									i l
SY710	MBU-23/P OXYGEN MASKS	Α	4,202	916	2.551	2,337	2,330	1.171	2,729						1
SY730	RI-2200 LONG ARM HIGH INTENSITY SEARCHLIGHTS	Α					800	1.75	1,400						
SY830	PRODUCTION SUPPORT SERVICES		239,323			4,631			6,772			3,481			3,818
SY900	JTDI/AME	Α	11,809	1	2,000	2,000									
			330,924			37,764			15,461			12,750			18,093

BUDGET PROCUREMENT HISTORY AND PL	ANNING	EXHIBIT (P-	5A)			Weapon System		A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY					C D-1 IT	EM NOMENCLATURE		February	SUBHEA	<u> </u>
B. AFFROFRIATION/BODGET ACTIVITY					C. F-111	EWNOWENCEATORE			SUBILA	D
OTHER PROCUREMENT, NAVY /	BA 3 - A	VIATION SU	PPORT EQUIPMENT			424400, AVIATION LIFE SUPPORT				3SY
				RFP	Contract			Date of	Specs	Date
		Unit Cost			Method &		Award	First	Available	
Cost Element/FiscalYear	Qty	(000)	Location of PCO	Date	Type	Contractor and Location	Date	Delivery	Now	Available
SY030 SURVIVAL RADIO	0077	0.507	NAMATO	0.4/0000	0.550	TARIRAN ORFOTRALINICATE III.	40/0005	0.4/0.000		
2006	3977	2.537	NAVAIR	04/2002	C-FFP	TADIRAN SPECTRALINK LTD, Holon,	12/2005	04/2006		
SY060 CSEL	4040	0.700	A FA40/0440	N1/A	0.550	THE DOCING COMPANY ANALIGM CA	07/0000	05/0007		
2006	1313		AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA		05/2007		
2007	299		AFMS/SMC		C-FFP	THE BOEING COMPANY, ANAHEIM, CA		01/2008		
2008	516		AFMS/SMC		C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA		01/2009		
2009	235	10.889	AFMS/SMC	N/A	C-IDIQ	THE BOEING COMPANY, ANAHEIM, CA	03/2009	01/2010		
SY085 JALEPV										
2022	400	F 400	NAMOADDAY	07/0005	C EED	HOLOGRAPHIC OPTICS INC. MILLIMOSE AND	00/0000	40/0000		
2006	190		NAWCADPAX	07/2005		HOLOGRAPHIC OPTICS INC, MILLWOOD, NY				
2007	116		NAWCADPAX	07/2005		TBD		04/2007		
2009	109	5.499	NAWCADPAX	07/2005	C-FFP	TBD	01/2009	04/2009		
SY125 AIRCREW ENDURANCE										
2009	131	4.385	NAWCADPAX	N/A	C-FFP	TBD	03/2009	09/2009		
SY146 MULTI-CLIMATE PROTECTION SYSTEM										
2006	1402		NAWCADPAX	N/A		PECKHAM VOC IND INC, LANSING MI	07/2006			
2007	576	1.6	NAWCADPAX			PECKHAM VOC IND INC, LANSING MI	07/2007	08/2007		
2008	662	1.574	NAWCADPAX	N/A		PECKHAM VOC IND INC, LANSING MI	02/2008	08/2008		
2009	662	1.574	NAWCADPAX	N/A	SS-FFP	PECKHAM VOC IND INC, LANSING MI	02/2009	08/2009		
SY215 JHMCS NIGHT VISION INTEGRATION										
2008	61	49.999	NAVAIR	N/A	C-FFP	TBD	02/2008	08/2008		
2009	148	49.999	NAVAIR	N/A	C-FFP	TBD	02/2009	08/2009		
SY216 SURVIVAL NIGHT VISION SCOPES (SNVS)										
2009	5064	415	NAVAIR	N/A	C-FFP	TBD	01/2009	04/2009		
SY700 JOINT WATER ACTIVATED				14,71	<u> </u>		01/2000	0 1/2000		
RELEASE SYSTEM (JWARS)						CONAVELODIDA CODDODATION CAINT				
2000	4007	0.500	NAVAID	N1/A	C EED	CONAX FLORIDA CORPORATION, SAINT	04/0007	07/0007		
2006	1037	2.502	NAVAIR	N/A	C-FFP	PETERSBURG, FL	01/2007	07/2007		1
SY710 MBU-23/P OXYGEN MASKS										
2006	916	2.551	NAVAIR	N/A	C-FFP	GENTEX CORP, RANCHO CUCAMONGA,CA	05/2006	06/2007		
2007	2330	1.171	NAVAIR	N/A	C-FFP	GENTEX CORP, RANCHO CUCAMONGA,CA	05/2007	06/2008		
SY730 RI-2200 LONG ARM HIGH INTENSITY SEARCHLIGHTS										
2007	800	1.75	NAWCADPAX	N/A	SS-FFP	REVA INC, NEWARK, NJ	08/2007	12/2007		
SY900 JTDI/AME						-,		_,		
2006	1	75	OTHER	N/A	MIPR	AMSAM, REDSTONE ARSENAL, AL	05/2006	07/2006		
2006	<del></del>		NAVICPMECH			INTERGRAPH CORP. HUNTSVILLE.AL		08/2006		<b>+</b>

REMARKS:

SY215 JHMCS NVI TE	Ma Nam EING, NORT BD	nufactue and L	ocatio		M	SR 30	ducti EC							Syste Proc			4	1TEM 2440	0 A						POF	RT S	YST	EMS	3
SY060, CSEL BOI SY215 JHMCS NVI TE	Nam EING, NORT	e and L	ocatio		M	SR 30	EC						F	Proc	uren	nent	Pa	14:	~~										-
SY060, CSEL BOI SY215 JHMCS NVI TE	Nam EING, NORT	e and L	ocatio		M	30		ON							a. o	10111	_00	aatim	es										
SY060, CSEL BOI SY215 JHMCS NVI TE	EING, NORT				M	30		ON				Pric		ALT				nitial			ord						Un	it of	
SY215 JHMCS NVI TE	BD F S	H AMER, A	NAHEIM,	CA			40			٨X	to C	ot 1		0	ct 1			g PL	Γ		g Pl	LT_		Tota	ı			sure	Ļ
	F S					20		0	70			6			6			10			10			16			Eac		
								0	20	0		3	+		5			6	-		6			11			Eac	:h	
																													_
ITEM / MANUFACTURER		Q	D	В		2005				F	ISCAL Y			YEAR :	2006						FISC		EAR		-AR 2	007			
	Y V	Т	Е	Α	0	N	D	J	F	М		И	J			S	5	N	D	J	F	M	A	М	J	J	Α	S	B A
	С	Υ	L	L	C T	0 V	E C	A N	E B	A R							C T		E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
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	07 N	299	0	299																		Α							299
													-																
									FISC	AL YI	EAR 20										FISC		'EAR						
	F S	Q T	D	В		2007			ı ı		CA	LEND	AR Y	YEAR :	2008							CA	LEND	AR YI	AR 2	009	1	1	В
	Y C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	Ρ.		-	U	U	E	C C T	0	D E C	J A N	F E B	M A R	A P R	M A Y	N U	J U	A U G	S E P	A L
,	06 N	1313	595	718	119	119	120		120				T																0
	07 N	299	0	299				33	33	33	33 3	3 3	33	33	33	35													0
	08 N 09 N	516 235	0	516 235						Α										43	43	43 A	43	43	43	43	43	43	129 239
SY215, JHMCS NVI	08 N	61	0	61					Α				-		10	20 2	20	11											0
(	08 AF		0	61													_	11											0
	09 N	148	0	148									_[								Α						10	10	12
	09 AF	148	0	148								+	+		-	-	1										10	10	128
Remarks:		<u> </u>			-								_											1					

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

311 / 244

Exhibit P-21 Production Schedule

CLASSIFICATION:

UNCLASSIFIED (Exhibit P-40, page 5 of 6)

FY 06/07 DON BUDGET PRO			HEDU	JLE, I	P-21													DAT	E			Feb	rua	ry 2	200	7				
APPROPRIATION/BUDGET A OTHER PROCUREMENT			٦ 3										Wea	apor	n Sys	stem	l		ITE 4244							PPO	RT S	SYST	ГЕМ	s
							Pro	duct	ion I	Rate	)							nt Le	eadtii	mes										
Item	1		ufactu and L		n	MS	SR	1-8	8-5	M	AX		T P Oct			T A			Initia fg Pl			eord Ifg P			Tota	al		Un Mea	it of sure	
SY060, CSEL	BOEING	, NORTH	AMER, Al	NAHEIM,	CA		30	40		70			6			6			10			10			16	)		Eac		
SY215 JHMCS NVI	TBD						20	10	00	20	00		3			5			6			6			11			Eac	<u>h</u>	
																											<u> </u>		<u>—</u>	
ITEM / MANUFACTURER	YVTE								F	ISCA	L YEA	R 20		NDAR	YEAF	R 201	1					FIS		EAR		EAR 2	2011			
	Y		T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U	J	A U G	S E P	B A L
SY060, CSEL/Boeing	08	N	516	387	129	43	43	43																			1	_		C
	09	N	235	0	235				33	33	33	33	33	33	37															C
SY215, JHMCS NVI	09	N AF	148 148	20	128 128	10	10			15 15	15 15		15 15	15 15	8															(
																											L			
				_	_					FISC	CAL Y	EAR									ı	FIS		'EAR						İ
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C	2011 N O	D E	J A	F E	M A	A P	M A	J	YEAF J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	B A L
						T	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	P	F
																												<u> </u>		
Remarks:																														

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

311 / 244

Exhibit P-21 Production Schedule

CLASSIFICATION:

UNCLASSIFIED (Exhibit P-40, page 6 of 6)

CLASSIFIC	ATION:	UNCLASS	IFIED										
		E	xhibit P-40, E	BUDGET ITE	M JUSTIFIC	ATION				DATE February 200	17		
APPROPRIATION/B	UDGET ACTIV	ITY					P-1 LINE ITE	EM NOMENO		1 Columny 200	<i>31</i>		
OTHER PROCURE	MENT, NAVY/B	A 3					AIRBORNE	MINE COUN	TERMEASU	RES			
							SUBHEAD I	NO. 73S0	BLIN: 424	8			
Program Element for 0604373N	Code B Items						Other Relate 0204302N	ed Program E	lements				
	Prior Years	ID Code		FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total
Quantity				0	0	0	0	0	0	0	0	0	0
COST													
(In Millions)		В		40.0	78.4	79.5	60.0	82.9	64.4	47.4	28.9	CONT	481.5
SPARES COST			_										
(In Millions)				6.8	2.2	1.7	2.2	1.6	1.2	0.0	0.0	CONT	15.7

#### 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 two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify mine-like objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.

#### S0020

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

#### S0065

Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines. FY 2007-2009 procurement supports the MH-60S platform.

P-1 Line Item No 96 PAGE 1 of 14 CLASSIFICATION:

**UNCLASSIFIED** 

CLASSIFICATION: UNCLASSIFIED

Exhibit P-40, BUDGET ITEM JUSTIFICATION (CONTINUATION)

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY/BA 3

AIRBORNE MINE COUNTERMEASURES
SUBHEAD NO. 73S0 BLIN: 4248

DT OT TDP PDM

AMNS (MH-60S) PE#0604373N 4Q/07-3Q/08 4Q/08 3Q/08 3Q/07

PDM based on Alternate Platform Testing (CT/DT) on MH-53E Helicopter and CT on MH-60S Helicopter

#### S0074

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).

#### S0075

Airborne Laser Mine Detection System (ALMDS), AN/AES-1 is a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of floating and near surface mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems.

#### **S0076 - OASIS**

Organic Airborne and Surface Influence Sweep (OASIS) will provide a self-contained, high speed, multi-function mine sweep capability, towed by the MH-60S helicopter or potential surface craft. Procurement funding supports Low Rate Initial Production (LRIP) in FY 2007 and full rate production beginning in FY09.

DT OT TDP PDM
OASIS PE#0604373N 4Q/07-2Q/08 3Q/08 3Q/08 3Q/07

#### S0090

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.

#### S0091

Surface Navy Integrated Undersea Tactical Technology (SNIUTT) will be integrated with an AN/SQQ-32, AN/AQS-14, AN/AQS-24 and AN/AQS-20A sensor training module for a LAN-based Surface Network Embedded Analysis and Tactical Trainer (SNEATT).

CLASS	IFICATION:	UNC	LASSIFIED												
	EXHIBIT P-5 COST AN	ALYSIS				Weapon S	ystem							DATE February	2007
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 LINE	ITEM NOM	1ENCLATUI	RE					
OTHER	PROCUREMENT, NAVY/BA 3						AIRBORN	IE MINE C	OUNTERM	EASURES	3				
							SUBHEAL	D NO. 7	3S0						
COST		ID	TOTAL CC	ST IN TH	DUSANDS	OF DOLLA	RS								
CODE	ELEMENT OF COST	Code	Prior		FY 2006			FY 2007			FY 2008			FY 2009	
	ELEMENT OF COST		Years		F1 2000			F1 2007			F1 2006			F1 2009	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	<u>EQUIPMENT</u>														
S0091	<u>SNUITT</u>														
	SNUITT		0	0	0.0	0	0	0.0	0	0	0.0	120	0	0.0	120
S0020	MODIFICATION	Α	0	0	0.0	7,590	0	0.0	6,521	0	0.0	6,629	0	0.0	9,080
S0065	UNIT COST - AMNS														
	NON-RECURRING ENGINEERING		0	0	0.0	0	0	0.0	265	0	0.0	0	0	0.0	0
	SUPPORT EQUIPMENT		0	0	0.0	0	0	0.0	64	0	0.0	61	0	0.0	238
	ILS/PUBS/TECH DATA		0	0	0.0	0	0	0.0	140	0	0.0	136	0	0.0	544
	TRAINING EQUIPMENT		0	0	0.0	0	0	0.0	0	0	0.0	3,807	0	0.0	505
	PRODUCTION ENGINEERING		0	0	0.0	0	0	0.0	109	0	0.0	107	0	0.0	422
	CONSULTING SERVICES		0	0	0.0	0	0	0.0	85	0	0.0	83	0	0.0	332
	AMNS	В	0	0	0.0	0	2	1,909.0	3,818	2	1,876.0	3,752	8	1,842.0	14,736
S0074	UNIT COST - AQS-20A														
30074	EOID KIT		0	0	0.0	0	5	1,271.0	6,355	0	0.0	n	0	0.0	0
	NON-RECURRING ENGINEERING		0	0			0	0.0	948	0		967	0		
	SUPPORT EQUIPMENT		0	0	• • • •		0	0.0	567	0	0.0	578	ľ		
	ILS/PUBS/TECH/DATA		0	0			0	0.0	524	0		534	0	0.0	
	TRAINING EQUIPMENT		0	0	0.0		0	0.0	4,655	0	0.0	2,992	0	0.0	
	PRODUCTION EQUIPMENT		0	0	0.0		0	0.0	561	0	0.0	572	0	0.0	
	CONSULTING SERVICES		0	0	0.0		0	0.0	372	0	0.0	379	0	0.0	
	PRODUCTION ECP (HW/SW)		0	0	0.0		0	0.0	3,044	0	0.0	2,424	0	0.0	
	AN/AQS-20A	А	0	3	7,120.0		5	5,773.0	28,865	6	6,129.0	36,774		6,354.0	
					,	,,,,,		-,	-,		]				,

CLASSI	FICATION:	UNCL	ASSIFIED												
	EXHIBIT P-5 COST ANALYSIS (COM	NTINU	ATION)			Weapon S	ystem							DATE February	2007
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 LINE	ITEM NOM	IENCLATU	RE					
OTHER	PROCUREMENT, NAVY/BA 3						AIRBORN	NE MINE C	OUNTERM	EASURES	3				
							SUBHEA	D NO. 7	3S0						
COST		ID	TOTAL CC	ST IN TH	DUSANDS	OF DOLLA	ARS								
CODE	ELEMENT OF COST	Code	Prior Years		FY 2006			FY 2007			FY 2008			FY 2009	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0075	UNIT COST - ALMDS														
	PRODUCTION ECP (HW/SW)		0	0	0.0	5,800	0	0.0	6,272	0	0.0	5,178	0	0.0	1,037
	SUPPORT EQUIPMENT		0	0	0.0	0	0	0.0	1,624	0	0.0	324	0	0.0	0
	ILS/PUBS/TECH DATA		0	0	0.0	0	0	0.0	836	0	0.0	492	0	0.0	0
	TRAINING EQUIPMENT		0	0	0.0	0	0	0.0	2,460	0	0.0	2,566	0	0.0	0
	PRODUCTION ENGINEERING		0	0	0.0	0	0	0.0	0	0	0.0	720	0	0.0	216
	CONSULTING SERVICES		0	0	0.0	0	0	0.0	0	0	0.0	196	C	0.0	700
	ALMDS		0	0	0.0	0	0	0.0	0	2	3,762.0	7,524	0	0.0	0
S0076	UNIT COST - OASIS														
	OASIS		0	0	0.0	0	2	2,455.0	4,910	0	0.0	0	6	1,965.0	11,790
	NON-RECURRING ENGINEERING		0	0	0.0	0	0	0.0	1,479	0	0.0	0	O	0.0	0
	ENGINEERING CHANGE PROPOSALS		0	0	0.0	0	0	0.0	148	0	0.0	0	0	0.0	490
	ILS/PUBS/TECH DATA		0	0	0.0	0	0	0.0	303	0	0.0	0	0	0.0	469
	TRAINING EQUIPMENT		0	0	0.0	0	0	0.0	2,913	0	0.0	0	0	0.0	205
	PRODUCTION ENGINEERING		0	0	0.0	0	0	0.0	394	0	0.0	0	0	0.0	763
	CONSULTING SERVICES		0	0	0.0	0	0	0.0	179	0	0.0	0	0	0.0	292
	ORCA		0	0	0.0	0	0	0.0	0	2	1,182.5	2,365	3	933.3	2,800
S0090	UNIT COST - OPMA														
	ОРМА		0	0	0.0	0	0	0.0	0	0	0.0	256	0	0.0	256
	TOTAL EQUIPMENT		0			39,993			78,411			79,536			59,995
TOTAL	<u> </u>		0			39,993			78,411			79,536			59,995

CLASSIFICATION:		UNCLAS	SIFIED							
Exhibit P5A, PROCU	REMENT HIS	TORY AN	D PI ANNING		Weapon System				DATE	
		. OKT AN	DILAMMO						February 2	
APPROPRIATION/BUDGET ACTIVITY					P-1 LINE ITEM NO	MENCLATURE			SUBHEAD	)
OTHER PROCUREMENT, NAVY/BA 3					AIRBORNE MINE	COUNTERMEASURES			73S0	
					BLIN: 4248					
COST ELEMENT	Quantity	UNIT	LOCATION	RFP ISSUE	CONTRACT	CONTRACTOR	AWARD	DATE OF	SPEC	DATE
FISCAL YEAR		COST	OF PCO	DATE	METHOD	AND LOCATION	DATE	FIRST	AVAILABLE	REVISIONS
					& TYPE			DELIVERY	NOW	AVAILABLE
FY 2006										
S0074 UNIT COST - AQS-20A										
AN/AQS-20A	3	7,120.0	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH, RI	MAR-06	NOV-07	YES	
FY 2007		7,120.0	TOTOLA	14/7	or new	TO THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF THE STATE OF TH	WWW CO	1101 07	120	
S0065 UNIT COST - AMNS										
AMNS	2	1,909.0	NAVSEA/NSWC PC	OCT-06	OPTION/SS/FP	RAYTHEON/BAE SYSTEMS	JUN-07	JUN-08		
S0074 UNIT COST - AQS-20A		1,000.0	14/1/02/11/01/01/01	001 00	01 11014/00/11	TOTAL TREE TO BE A TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL	0011 07	0011 00		
EOID KIT	5	1,271.0	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH,RI	JUN-07	DEC-08	YES	
AN/AQS-20A	5	5,773.0	NAVSEA	N/A	OPTION	RAYTHEON, PORTSMOUTH, RI	JUN-07	DEC-08	YES	
S0076 UNIT COST - OASIS		2,11210								
OASIS	2	2,455.0	NAVSEA	N/A	OPTION	EDO, NORTH AMITYVILLE, NY	MAR-07	AUG-08	YES	
FY 2008		,				,				
S0065 UNIT COST - AMNS										
AMNS	2	1,876.0	NAVSEA/NSWC PC	FEB-07	OPTION/SS/FP	RAYTHEON/BAE SYSTEMS	OCT-07	OCT-08		
S0074 UNIT COST - AQS-20A	2	1,876.0	NAVSEA/NSWC PC	FEB-U/	OPTION/55/FP	RATTHEON/BAE STSTEMS	001-07	001-08		
AN/AQS-20A	6	6,129.0	NAVSEA	JUN-07	C/FP	UNKNOWN	MAY-08	OCT-09		
S0075 UNIT COST - ALMDS		0,129.0	NAVOLA	JUN-07	C/I F	GINKINOWIN	IVIA 1-00	001-09		
ALMDS	2	3,762.0	NSWC PC	JUN-07	OPTION	NG, MELBOURNE FL	JUN-08	OCT-09		
S0076 UNIT COST - OASIS		0,702.0	14044010	0014 07	01 11014	AG, WELDOOME I E	0011 00	00,09		
ORCA	2	1,182.5	NSWC, PC FLORIDA	OCT-07	TBD	EDO, NORTH AMITYVILLE, NY	NOV-07	MAY-08		
FY 2009		.,	,	1		.,				
CORRECTIONS COST. AMAZO										
S0065 UNIT COST - AMNS	8	4 040 0	NAVOEA/NOVAO DO	FED 00	66/FD	DAYTHEON/DAE OVOTEAGO	007.00	007.00		
AMNS	8	1,842.0	NAVSEA/NSWC PC	FEB-08	SS/FP	RAYTHEON/BAE SYSTEMS	OCT-08	OCT-09		
S0074 UNIT COST - AQS-20A		6.254.0	NAV/OF A	NI/A	ODTION	LINIKNICIA/NI	MAY 00	OCT 40	VEC	
AN/AQS-20A	2	6,354.0	NAVSEA	N/A	OPTION	UNKNOWN	MAY-09	OCT-10	YES	

CLASSIFICATION:		UNCLAS	SIFIED							
Exhibit P5A, PROCUREMENT HIS	STODY AN	D DI ANN	ING (CONTINUATION)		Weapon System				DATE	
EXHIBIT F3A, FROCOREMENT HIS	JIOKI AN	DFLANN	ind (CONTINUATION)						February 2	2007
APPROPRIATION/BUDGET ACTIVITY					P-1 LINE ITEM NO	MENCLATURE			SUBHEAD	
OTHER PROCUREMENT, NAVY/BA 3					AIRBORNE MINE C	COUNTERMEASURES			73S0	
					BLIN: 4248					
COST ELEMENT	Quantity	UNIT	LOCATION	RFP ISSUE	CONTRACT	CONTRACTOR	AWARD	DATE OF	SPEC	DATE
FISCAL YEAR		COST	OF PCO	DATE	METHOD	AND LOCATION	DATE	FIRST	AVAILABLE	REVISIONS
					& TYPE			DELIVERY	NOW	AVAILABLE
S0076 UNIT COST - OASIS										
OASIS	6	1,965.0	NAVSEA	N/A	OPTION	EDO, NORTH AMITYVILLE, NY	OCT-08	JAN-10		
ORCA	3	933.3	NSWC PC, FLORIDA	N/A	OPTION	EDO. NORTH AMITYVILLE, NY	OCT-08	MAY-09		

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APPROPRIATION/BUDGET ACT	TIVITY											Wea	pon S	Syster	n			P-1 l	INE	ITEM	NOM	1ENC	LATU	IRE						
OTHER PROCUREMENT, NAVY	Y/BA 3																	AIRE	BORN	IE MI	NE C	OUN	TERN	<b>IEAS</b>	URE	S BLI	: 424	8		
							Р	roduct	ion Ra	ite						Procu	ıreme	nt Lead	dtimes											
Item		Mai	nufactu	ırer's		MS	SR	FC	ON	М	AX	Α	LT Pri	or	Α	LT Aft	ter		Initial		F	Reorde	er		Total			U	Jnit of	
		Name	and L	ocation			J. (		0.1			t	o Oct	1		Oct 1		N	∕lfg PL	Т.	N	Mfg PL	т.		rotai			Me	easure	
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ITEM		С	Υ	L	L	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	L
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AMNS	2007	N	2	0	2																					Α				2
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						С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
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APPROPRIATION/BUDGET ACTI	VITY											Wea	pon S	yster	n			P-1 L	INE I	TEM	NON	1ENC	LATU	JRE						
OTHER PROCUREMENT, NAVY/	BA 3																	AIRE	BORN	E MI	NE C	OUN	TERN	/IEAS	URE	S BLI	: 4248	3		
	Production Rate    Manufacturer's   MSR   ECON   MSR   EC															Procu	ıremer	nt Lead	dtimes											
ltem	Item Manufacturer's MSR ECON														Α	LT Aft	er		Initial		F	Reorde	er		Total			U	nit of	
no	Item MSR ECON Name and Location															Oct 1		Λ	/lfg PL	Т	N	⁄lfg PL	.T		Total			Me	asure	
AMNS	RAY	THEO	N/BAE	SYSTE	MS,	2	2	1	0	1	8		5			9			12			12			21				Е	
	F	S	Q	D	В					FIS	CAL Y	EAR 2	2010									FIS	CAL Y	'EAR 2	2011					В
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AMNS	2009	N	8	0	8	1	1	1	1	1	1	1	1																	0
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ITEM		С	Υ	L	L	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	L
						С	0	Ε	Α	Е	Α	Р	Α	U	U	U	E	С	0	Е	Α	E	Α	Р	Α	U	U	U	Ε	
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APPROPRIATION/BUDGET ACTI	VITY											Wea	pon S	Syster	n			P-1 I	LINE	TEM	NOM	1ENC	LATU	JRE						
OTHER PROCUREMENT, NAVY/	BA 3																	AIRE	BORN	IE MI	NE C	OUN.	TERM	IEAS	URE	S BLI	l: 424	8		
							P	roduct	ion Ra	ate						Procu	ıremeı	nt Lea	dtimes											
Item		Ma	nufactu	rer's		М	SR	EC	ON	М	AX	Α	LT Pr	ior	Α	LT Aft	er		Initial		F	Reorde	er		Total			ι	Jnit of	
		Name	and L	ocation	ı							t	o Oct	1		Oct 1		ľ	∕lfg PL	Т	N	Mfg PL	Т.					М	easure	
AQS-20A	RAYT	HEON	, PORT	SMOL	JTH, RI		1	1	12	2	26		1			7			17			17			24				E	
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AN/AQS-20A (TOWED BODY) MH53	2006	N	3	0	3						Α																			3
AN/AQS-20A (TOWED BODY) MH53	2007	N	5	0	5																					Α				5
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ITEM		С	Υ	L	L	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	L
						С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	
						Т	V	С	N	В	R	R	Υ	Ν	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
AN/AQS-20A (TOWED BODY) MH53	2006	N	3	0	3		1		1		1																			(
AN/AQS-20A (TOWED BODY) MH53	2007	N	5	0	5															1		1		1		1		1		(
AN/AQS-20A (TOWED BODY) MH53	2008	N	6	0	6								Α																	(
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APPROPRIATION/BUDGET ACTI	VITY											Wea	pon S	Syster	n			P-1 l	INE	ITEM	NOM	1ENC	LAT	JRE						
OTHER PROCUREMENT, NAVY/	BA 3																	AIRE	BORN	IE MI	NE C	OUN	TERI	MEAS	URE	S BLI	: 424	8		
	Production Rate															Procu	ıreme	nt Lead	dtimes	i										
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nem		Name	and L	ocation		IVI	SK	EC	ON	IVI	AX	t	o Oct	1		Oct 1		N	∕lfg PL	Т.	r	Mfg PL	_T		Total			Мє	easure	
AQS-20A	RAYT	HEON	, POR	rsmou	ITH, RI		1	,	2	2	26		1			7			17			17			24				E	
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OTHER PROCUREMENT, NAV	Y/BA 3																	AIRE	BORN	IE MII	NE C	OUN	TERN	<b>MEAS</b>	URE	S BLI	: 424	В		
	Production Rate  Manufacturer's															Procu	ıreme	nt Lea	dtimes											
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APPROPRIATION/BUDGET ACT	IVITY											Weap	oon S	Syster	n			P-1 L	INE I	TEM	NOM	IENC	LATU	JRE						
OTHER PROCUREMENT, NAVY	/BA 3																	AIRE	BORN	E MI	NE C	OUN	TERM	/IEAS	URE	BLI	: 424	8		
	Production Rate  Manufacturer's															Procu	uremer	nt Lead	dtimes											
Item		Ma	nufactu	urer's		Ms	SR	FC	ON	M	ΔX	Al	LT Pri	or	Α	LT Aft	ter		Initial		F	Reorde	er		Total			U	Init of	
		Name	and L	ocation					• • •			to	o Oct	1		Oct 1		Λ	/lfg PL	Т	N	∕lfg PL	Τ		. 0.0.			М	easure	
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ITEM		С	Υ	L	L	0	Ν	D	J	F	М	Α	М	J	J	Α	S	0	Ν	D	J	F	М	Α	М	J	J	Α	S	L
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							Р	roduct	ion Ra	ate						Procu	ıremei	nt Lead	dtimes	i										
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OTHER PROCUREMENT, NA	VY/BA 3																				NE C	OUN	IEKN	IEAS	UKE	SBL	: 424	<u>8</u>		
							Р	roduct	ion Ra	te						Procu	ıremer	nt Lead	dtimes											
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				ocation								t	o Oct	1		Oct 1		N	∕lfg PL	Τ	ľ	Mfg PL	.Т					Me	easure	
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	F	S	Q	D	В					FIS	CAL Y	EAR 2	2012									FIS	CAL Y	'EAR 2	2013					В
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ITEM		С	Υ	L	L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	L
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Remarks:		1																												

		BUDGE	T ITEM JU	STIFICATION	ON SHEET	1					DATE:	
		P-40									February 2	2007
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	.ATURE			
Other Procurement, Navy	BA 3 - A\	/IATION	SUPPORT	Γ EQUIPMI	ENT		425500, L	AMPS MK	III SHIPBO	ARD EQU	IPMENT	
Program Element for Code B Items:							Other Rela	ated Progra	ım Element	S		
0604216N							0204243N	I				
	Prior	ID									То	Total
	Years	Code	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	Complete	Program
Quantity		В			10	14	12	12	12	12	30	102
Cost (\$M)	\$46.0	В	\$19.6	\$15.8	\$31.8	\$36.6	\$24.6	\$21.8	\$22.1	\$22.6	\$67.3	\$308.2

### 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 FY08 request funds the procurement of 10 AN/SRQ-4(Ku) ship units and associated support to meet the MH-60R fleet deployment schedule.

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System									DATE:			
	P5	·	•									Februar	ry 2007		
APPROF	PRIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM NO	MENCLATUR	E			
OTHER	PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPOR	T EQUIPM	ENT						В	425500, LAM	PS MK III SHI	PBOARD EQU	JIPMENT		
			Dollars in Thous	ands											
			Prior Years		FY 2006			FY 2007			FY 2008			FY 2009	
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
S1010	SRQ(KU)4	В								10	1,796.3	17,963	14	1,452.5	20,335
S1200	GFE	В				1,200						252			258
S1600	EQUIPMENT/NONRECURRING	В	11,855			16,040			6,368						
S1700	SUPPORT EQUIPMENT	В	635									1,061			1,082
S1800	INTEGRATED LOGISTICS SUPPORT	В	1,834						3,214			2,910			505
S1830	PRODUCTION ENGINEERING	В	31,236			2,348			5,716			8,575			14,022
S1860	ACCEPTANCE, TEST & EVALUATION	В	425						507			1,050			408
S1910	INSTALLATION - FMP	В													
			45,985			19,588			15,805			31,811			36,610

FY06 Congressional Add of \$1.436M is split between GFE and Production Engineering.

Production engineering includes \$5.0M in FY08 for obsolescence and \$10.4M in FY09 for obsolescence and correction of deficiencies prior to fleet release.

BUDGET PROCUREMENT HISTORY AND R	PLANNING	G EXHIBIT (I	P-5A)			Weapon System		A. DAT		
B. APPROPRIATION/BUDGET ACTIVITY					C P-1 IT	I FEM NOMENCLATURE		February	SUBHEA	n
B. ALTROPRIATION BODGET ACTIVITY					0. 1-111	TENTROMENCEATORE			OODITEA	
OTHER PROCUREMENT, NAVY /	BA 3 - A	VIATION SL	JPPORT EQUIPMENT			425500, LAMPS MK III SHIPBOARD EQUIPME	ENT		U3	3S1
				RFP	Contract			Date of	Specs	Date
		Unit Cost		Issue	Method &		Award	First	Available	Revisions
Cost Element/FiscalYear	Qty	(000)	Location of PCO	Date	Type	Contractor and Location	Date	Delivery	Now	Available
S1010 SRQ(KU)4										
2008	3 10	1,796.3	NAVAIR	09/2007	C-FFP	HARRIS CORPORATION, PALM BAY, FL	03/2008	03/2010		
2009	9 14	1,452.5	NAVAIR	09/2008	C-FFP	HARRIS CORPORATION, PALM BAY, FL	03/2009	10/2010		

REMARKS:

CLASSIFICATION:	UNCL	ASSIF	IED								
Exhibit P-3a											
MODELS OF SYSTEMS AFFE	CTED:	LAMPS MK	III					TYPE MOD	IFICATION	l:	Modification required by frequency spectrum change.  MODIFICATION TITLE: S1010 - SRQ(KU)4
DESCRIPTION / JUSTIFICA This program provides for NRE Contractor is Harris Corp. Palm	and procur	ement of AN	l/SRQ-4(Ku	ı) field instal	ll kits. This	system enco	ompasses h	ardware an	d software	to transmit	sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III aircraft to the host ship classes of cruisers, destroyers, and frigates. PCO is NAVAIR.
DEVELOPMENT STATUS /	MAJOR DE	VELOPME	NT MILES	TONES:	The MH-60	R aircraft c	ompleted M	lilestone III	in March 2	006. Procu	urement of AN/SRQ-4(Ku) Kits will commence in March 2008.
	PRIOR	<u>YEARS</u>	<u>FY 2</u>	<u>2006</u>	FY 2	<u>2007</u>	<u>FY 2</u>	<u>2008</u>	FY 2	2009	
Financial Plan (in Millions)	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
RDT&E											
PROCUREMENT		-									
INSTALLATION KITS INSTALLATION KITS							10	17.963	14	20.335	
NONRECURRING											
EQUIPMENT											
EQUIPMENT NONRECURRING		11.855		16.040		6.368					
ENGINEERING CHANGE ORDERS											
DATA											
TRAINING EQUIPMENT											
SUPPORT EQUIPMENT		0.635						1.061		1.082	
ILS		1.834				3.214		2.910		0.505	
PRODUCTION											
ENGINEERING		31.236		2.348		5.716		8.575		14.022	
QUALITY ASSURANCE ACCEPTANCE TEST &											

Production Engineering includes \$5.0M in FY08 for obsolescence and \$10.4M in FY09 for obsolescence and correction of deficiencies prior to fleet release.

1.200

19.588

0.507

15.805

1.050

0.252

31.811

0.408

0.258

36.610

0.425

45.985

EVALUATION

SUPPORT

INSTALL COST

TOTAL PROCUREMENT

GFE INTERIM CONTRACTOR

DDELS OF SYSTEMS AFFEC	CTED:	LAMPS MK	III				<b>=</b>										MODIFICA	TION TITLE	<b></b> :	S1010 - SF	RQ(KU)4				
STALLATION INFORMATION	<b>1</b> :																								
THOD OF IMPLEMENTATION	ON:				NAWCAD S	St. Inigoes inst	allation team		-																
MINISTRATIVE LEADTIME:							6	Months	-			PRODUCT	ION LEADT	IME:				24	Months	<u>s</u>					
NTRACT DATES:			FY 2006					_	FY 2007	·						FY 2008		Ма	r-08	_		FY 2009		Ma	ar-09
LIVERY DATE:			FY 2006					-	FY 2007							FY 2008		Ма	r-10	_		FY 2009		Oc	ct-10
												(\$ in Millior	ns)												_
Cost:			PRIOR	YEARS	FY:	2006	FY	2007	FY	2008	FY	2009	FY 2	010	FY 2	2011									]
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OR YEARS EQUIPMENT																									1
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007 EQUIPMENT																									
008 EQUIPMENT													10	1.415											
009 EQUIPMENT															14	2.245									1
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012 EQUIPMENT																									1
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COMPLETE EQUIPMENT		-																							ł
AL			0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	1.415	14	2.245							<u> </u>		1
ı	Installation	Schedule																							
Ţ	PRIOR		FY 2	2006			FY	2007			FY:	2008			FY 2	2009			FY	2010			FY:	2011	
	YEARS	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	
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ITEM NO. 98

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P-1 SHOPPING LIST

ITEM NO. 98

			DGET ITEI 9-40	M JUSTIFI	CATION S	HEET					DATE: February:	2007
APPROPRIATION/BUDGET A			P-1 ITEM									
Other Procurement, Navy	BA 3 - A\	/IATION	426500, C	THER AV	IATION SU	PPORT E	QUIPMENT					
Program Element for Code B Ite	ems:						Other Rela	ated Progra	am Elemen	ts		
	Prior Years	ID Code	FY 2006	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Complete	Total Program		
Quantity												
Cost (\$M)	\$110.7	Α	\$11.4	\$12.6	\$11.6	\$16.3	\$14.4	\$12.0	\$17.7	\$14.6	Cont	Cont

#### DESCRIPTION: 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 NALDA and will interface with Navy ERP as the Naval Aviation Business Warehouse. It provides the technological improvements and process streamlining required to enable a cost wise transition from the NALDA program to the capabilities required in Joint Vision 2020 and the Naval Transformation Road Map. DECKPLATE is a COTS intensive system under which numerous stovepipe legacy systems will migrate to create an integrated data environment through the use of Data Warehouse tools and concepts in support of Naval aviation logistics needs. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, commerical off the shelf (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.

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

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

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

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

#### Autonomic Logistics Information System (ALIS) Ship Integration - CVN and LHD (S7044):

Autonomic Logistics Information System (ALIS) Ship Integration - CVN and LHD (S9999): 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 Control, 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.

#### NAVAIR Depot Maintenance Operations Unique ID (UID) (S7045):

This Congressional Add effort is to deploy required Automatic Identification Technology (AIT) for operation and application in the harsh environments of Naval Aviation Organic Depots. This capability will ensure Naval Aviation Depots can comply with OSD AT&L UID mandate for DoD depots full operating capability in support of UID requirements. This effort is to evaluate and modify as required Automatic Identification Technology (AIT) for operation and application in he harsh environments of Naval Aviation Organic Depots. This system and business process improvements must be designed and deployed to integrate this required capability into Naval Aviation Depots.

#### Industrial Facilities Equipment (\$7030):

Procures upgrades for the sonobouy test equipment at Naval Surface Warfare Center (NSWC) Crane.

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System									DATE:			
	P5											February	2007		
APPROP	RIATION/BUDGET ACTIVITY								ID Code	P-1 ITEM	1 NOMEN	CLATURE			
OTHER F	PROCUREMENT, NAVY\ BA 3 - AVIATION SUPPORT	EQUIPME	NT						Α	426500,	OTHER A	VIATION S	UPPO	RT EQUIF	PMENT
			Dollars in Thousands												
			Prior Years		FY 200	06		FY 200	)7		FY 2008			FY 20	09
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
S7039	NALDA - DECKPLATE	А				2,153			2,445			2,613			3,034
S7040	NALDA	Α	49,273			827			712			657			875
S7041	NALDA H/W & S/W - NALCOMIS Optimized	Α	12,409			3,184			3,057			3,242			2,802
S7042	NALDA Joint Tactical Data Integration (JTDI)	Α	44,096			5,033			4,160			4,003			3,622
S7043	Resource Allocation Management Program	Α	980												
S7044	Autonomic Logistics Information System	Α										906			5,741
S7045	NAVAIR Depot Maintenance Operations Unique ID	Α							2,000						1
S7030	Industrial Facilities Equipment	Α	3,975			207			212			217			222
			110,733			11,404			12,586			11,638			16,296