DEPARTMENT OF THE NAVY FISCAL YEAR (FY) 2006/FY 2007 BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES FEBRUARY 2005

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

DEPARTMENT OF THE NAVY

FY 2006 PROCUREMENT PROGRAM

SUMMARY FEBRUARY 2005 (\$ IN MILLIONS)

APPROPRIATION	FY 2004	FY 2005	FY 2006
OTHER PROCUREMENT, NAVY	245.7	297.1	268.1
TOTAL DEPARTMENT OF THE NAVY	245.7	297.1	268.1

DEPARTMENT OF THE NAVY

FY 2006 PROCUREMENT PROGRAM

SUMMARY FEBRUARY 2005 (\$ IN MILLIONS)

APPROPRIATION: OTHER PROCUREMENT, NAVY			
ACTIVITY	FY 2004	FY 2005	FY 2006
03. AVIATION SUPPORT EQUIPMENT	245.7	297.1	268.1
TOTAL OTHER PROCUREMENT, NAVY	245.7	297.1	268.1

DEPARTMENT OF THE NAVY FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: FEBRUARY 2005

			MILLIONS OF DOLLAR	RS	C
LINE NO ITEM NOMENCLATURE			FY 2005 QUANTITY COST	QUANTITY COST	S E C
BUDGET ACTIVITY 03: AVIATION SUPPORT EQUIPMENT					_
SONOBUOYS					
90 SONOBUOYS - ALL TYPES	А	84.7	49.8	58.4	U
AIRCRAFT SUPPORT EQUIPMENT					
91 WEAPONS RANGE SUPPORT EQUIPMENT	A	30.7	54.9	46.6	U
92 EXPEDITIONARY AIRFIELDS	A	7.5	7.5	7.9	U
93 AIRCRAFT REARMING EQUIPMENT	A	11.7	11.6	12.0	U
94 AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A	20.1	21.1	27.0	U
95 METEOROLOGICAL EQUIPMENT	А	25.2	20.0	25.1	U
96 OTHER PHOTOGRAPHIC EQUIPMENT	A	1.8	1.4	1.4	U
97 AVIATION LIFE SUPPORT	А	32.1	31.9	26.9	U
98 AIRBORNE MINE COUNTERMEASURES	A	2.5	66.8	38.0	U
99 LAMPS MK III SHIPBOARD EQUIPMENT	A	20.2	21.6	18.2	U
100 OTHER AVIATION SUPPORT EQUIPMENT	A	9.1			U
TOTAL AVIATION SUPPORT EQUIPMENT		245.7	297.1	268.1	
TOTAL OTHER PROCUREMENT, NAVY		245.7			

PAGE N-3

Fiscal Year 2006 Budget Estimates Budget Appendix Extract Language

OTHER PROCUREMENT, NAVY (OPN)

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 9 vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed \$200,000 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, [\$4,875,786,000] \$5,487,818,000, to remain available for obligation until September 30, [2007] 2008, of which \$43,712,000 shall be available for the Navy Reserve and Marine Corps Reserve[: Provided, That funds available in this appropriation may be used for TRIDENT modifications associated with force protection and security requirements]. (10 U.S.C. 5013, 5063; Department of Defense Appropriations Act, 2005.)

	BUD	GET I	TEM JUST	IFICATION	SHEET			DATE:				
			P-4	0					FE	BRUARY 2	005	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	DMENCLATU	RE	SONOBUC	Y, ALL TY	PES
OTHER PROCURE	MENT, NA	VY	B.A.3 - AV	IATION SU	IPPORT EC	QUIPMENT	BLI 40480	0 (U3QZ)				
Program Element for Co	de B Items:						Other Relate	d Program Ele	ements			
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY		А	108,874	42,653	52,565	53,490	52,378	56,822	57,302	56,838	Continuing	Continuing
COST												_
(In Millions)			\$84.7	\$49.8	\$58.4	\$63.6	\$63.9	\$69.7	\$71.1	\$72.6	Continuing	Continuing

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.

MK84 Signal, Underwater Sound (SUS) devices are expendable, non-explosive, electro-acoustic device which transmits acoustic tones. The MK84 SUS is used for training and exercise signaling to submarines.

The Hydrostatic Sensor Device enables use of existing ordnance as shallow water anti-submarine weapons.

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

FY04 values reflect actual program value.

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 90 PAGE NO. 1

UNCLASSIFIED

	WEAPONS SYSTEM CO P-5	ST ANA	LYSIS			Weapon Sy SONOBUG	stem OY, ALL TY	PES					DATE: FEBRUAR	Y 2005	
OTHER	PRIATION/BUDGET ACTIVITY PROCUREMENT, NAVY AVIATION SUPPORT EQUIPMENT						P-1 ITEM NO SONOBUO PEO(A) PF	OY, ALL T	YPES		HEAD U3	QZ			
			TOTAL COS	T IN THOUS	ANDS OF D	OOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	HARDWARE	А		108,874		66,616	42,653		41,229	52,565		49,187	53,490		54,079
QZ001 QZ002 QZ004 QZ005 QZ006 QZ007 QZ008 QZ009	AN/SSQ-36 AN/SSQ-53 AN/SSQ-62 AN/SSQ-77 AN/SSQ-101 AN/SSQ-110 * SUS MK 84 ** Hydrostatic Device			0 89,373 7,249 11,636 616 0 0	445.15 1,168.76 1,156.63 7,955.01 - -		3,090 5,150	350.60 560.37 1,667.78 1,045.04 4,769.49 1,702.87	722 15,644 5,153 5,382 9,825 3,508 0 994	3,090 30,900 5,150 8,755 2,037 2,633 0	557.38 1,345.95 1,245.06 4,370.67	933 17,223 6,932 10,901 8,903 4,296 0	0 30,900 5,150 8,240 2,882 3,228 3,090 0	566.76 1,370.54 1,285.30 4,504.87 1,574.23 275.94	17,51 7,05 10,59 12,98 5,08
QZ831 QZ832 QZ834 QZ835 QZ836 QZ837 QZ838 QZ839	PRODUCTION ENGINEERING AN/SSQ-36 AN/SSQ-53 AN/SSQ-62 AN/SSQ-77 AN/SSQ-101 AN/SSQ-110 * SUS MK 84 Hydrostatic Device					10830 0 3,642 1,029 1,190 843 3,696 98 332			4230 79 1,416 567 592 1,081 386 0			3858 75 929 555 872 1,083 344 0			410' 0 1,17' 56' 84' 1,03' 40' 6'
	* Fleet requirements necessitated the refurbishr	nent of e	xisting AN/SS	Q-110 stock	piles. Fund	s were moved	to Production	Engineerin	g for this effor	:					

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

ITEM NO. 90 PAGE NO. 2

CLASSIFICATION:

	WEAPONS SYSTEM CO	ST ANA	LYSIS			Weapon Sy							DATE:		
ADDDO	P-5 PRIATION/BUDGET ACTIVITY						DA JEEN NO		JRE/SUBHEA	<u> </u>			FEBRUAR	RY 2005	
_	PRIATION/BUDGET ACTIVITY						SONOBU			ND.					
	AVIATION SUPPORT EQUIPMENT								NARM 404	ISON SLIB	HEAD II3	07			
D.A.5 -	AVIATION SOLI OKT EQUI MENT		TOTAL COS	T IN THOUS	SANDS OF I		I LO(A) I I	KOOKAN	IVAINI TO	000 30B	IILAD 03	QL_			
			TOTAL COS	1 114 111000	SANDS OF L	JOLLANG									
COST	ELEMENT OF COST	ID	Prior		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
		+.													
QZ861	ACCEPTANCE TESTING AN/SSQ-36	Α				7291			4317 79			5377 93			540
QZ862	AN/SSQ-53					3,161			1,503			1,721			1,75
QZ864	AN/SSQ-62					1,029			567			693			706
QZ865	AN/SSQ-77					1,190			592			1,090			1,059
QZ866 QZ867	AN/SSQ-101 AN/SSQ-110					1,175 638			1,081 386			1,350 430			1,298 508
QZ868	SUS MK 84					98			0			0			85
QZ869	Hydrostatic Device					0			109			0			C
	Subtotals by Buoy Type														
	AN/SSQ-36					0			880			1,101			(
	AN/SSQ-53					46,587			18,563			19,873			20,439
	AN/SSQ-62 AN/SSQ-77					10,530 15,839			6,287 6,566			8,180 12,863			8,329 12,497
	AN/SSQ-17 AN/SSQ-101					6,918			11,987			12,863			15,320
	AN/SSQ-110					4,334			4,280			5,070			5,99
	SUS MK 84					196			0			0			1,000
	Hydrostatic Device					332			1,212			0			(
						84,737			49,776			58,422			63,587

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 90 PAGE NO. 3 CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCURE	MENT HISTO	RY AND PL	ANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
						SONOBUOY, ALL TYPES	3	FEBRUA		
B. APPROPRIATION/BUDGE					C. P-1 ITEM NOM				SUBHEAD	
OTHER PROCUREM	ENT, NAVY				SONOBUOY,	ALL TYPES			U3	QZ
B.A.3 - AVIATION SU	JPPORT EQU	JIPMENT				GRAM NARM 404800				
0 151 "	QUANTITY		LOGATION	DED 1001 IE	CONTRACT	00117040707	AVAGED	DATE OF	TECH DATA	DATE
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW ?	REVISIONS AVAILABLI
		(000)								
FY04										
AN/SSQ-53	74,628	408.00	NSWC CRANE	10/03	C/FFP	USSI	03/04	06/05	YES	
AN/SSQ-53	14,745	582.84	NSWC CRANE	10/03	C/FFP	SPARTON	03/04	06/05	YES	
AN/SSQ-62	3,690	1,141.82	NSWC CRANE	10/03	C/FFP	USSI	02/04	05/05	YES	
AN/SSQ-62	3,559	1,179.80	NSWC CRANE	10/03	C/FFP	SPARTON	02/04	05/05	YES	
AN/SSQ-77	2,905	1,423.00	NSWC CRANE	10/03	C/FFP	USSI	03/04	06/05	YES	
AN/SSQ-77	8,731	1,022.83	NSWC CRANE	10/03	C/FFP	SPARTON	03/04	06/05	YES	
AN/SSQ-101	616	7,955.01	NSWC CRANE	10/03	SS/FFP	ERAPSCO	07/04	10/05	YES	
FY05										
AN/SSQ-36	2,060	350.60	NSWC CRANE	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
AN/SSQ-53	27,918	560.37	NSWC CRANE	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
AN/SSQ-62	3,090	1667.78	NSWC CRANE	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
AN/SSQ-77	5,150	1045.04	NSWC CRANE	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
AN/SSQ-101	2,060	4769.49	NSWC CRANE	10/04	SS/FFP	ERAPSCO	03/05	06/06	YES	
AN/SSQ-110	2,060	1702.87	NSWC CRANE	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
Hydostatic Device	315	3154.63	NAWCWDCL	10/04	C/FFP	NOT SELECTED	01/05	04/06	YES	
FY06										
AN/SSQ-36	3,090	301.80	NSWC CRANE	10/05	C/FFP	NOT SELECTED	01/06	04/07	YES	
AN/SSQ-53	30,900	557.38	NSWC CRANE	10/05	C/FFP	NOT SELECTED	01/06	04/07	YES	
AN/SSQ-62	5,150	1,345.95	NSWC CRANE	10/05	C/FFP	NOT SELECTED	01/06	04/07	YES	
AN/SSQ-77	8,755	1,245.06	NSWC CRANE	10/05	C/FFP	NOT SELECTED	01/06	04/07	YES	
AN/SSQ-101	2,037	4,370.67	NSWC CRANE	10/05	SS/FFP	ERAPSCO	03/06	06/07	YES	
AN/SSQ-110	2,633	1,631.78	NSWC CRANE	10/05	C/FFP	NOT SELECTED	01/06	04/07	YES	
FY07										
AN/SSQ-53	30.900	566.76	NSWC CRANE	10/06	C/FFP	NOT SELECTED	01/07	04/08	YES	
AN/SSQ-62	5,150	1,370.54	NSWC CRANE	10/06	C/FFP	NOT SELECTED	01/07	04/08	YES	
AN/SSQ-77	8,240	1,285.30	NSWC CRANE	10/06	C/FFP	NOT SELECTED	01/07	04/08	YES	
AN/SSQ-101	2,882	4,504.87	NSWC CRANE	10/06	SS/FFP	ERAPSCO	03/07	06/08	YES	
AN/SSQ-110	3,228	1,574.23	NSWC CRANE	10/06	C/FFP	NOT SELECTED	01/07	04/08	YES	
SUS MK 84	3,090	275.94	NSWC CRANE	10/06	C/FFP	NOT SELECTED	01/07	04/08	YES	
	0,000	2.0.04	. TOTTO OTTAINE	10/00	5/111	HO! GELECTED	31/01	5 7/00	. 20	

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

ITEM NO. 90 PAGE NO. 4

Classification:

FY 06/07 DON BUDGET PRO	DUCTIO	N SCI	HEDUI	LE, P	-21													DATE			FΕ	BRI	JAF	RY 2	005				
APPROPRIATION/BUDGET A	-													•	า Sys			P-1	ITEN	ΛNC	DME	NCI	_ATI	JRE		PEC	(A) P	PROGRA	M
OTHER PROCUREMENT,	NAVY	B.A.	3 - AVI	ATIO	N SU	PPORT							Sono	buoy					M 404		SUBH	IEAD	U30	Z					
							Pro	oductio	n R	ate					_			nt Le	adtir	nes									
			ufactu	-									_T Pr			ΤA			Initia			eord						Unit c	
Item			and Lo	ocatio	n	MS	SR	EC	NC	MA	١X	tc	Oct	: 1	(Oct	1		lfg Pl	_T_	M	fg P	LT		Tota	l		Measu	ıre
AN/SSQ-36B	UEMS					0.25		1.0		2.0*						3			15						18			K	
AN/SSQ-36B	SPAR					0.25		1.0		2.0*						3			15						18			K	
AN/SSQ-53	SPAR		FL			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,	IN				0.25		1.5		3.0*						3			15						18			K	
AN/SSQ-62	SPAR	TON,	FL			0.25		1.5		3.0*						3			15						18			K	
AN/SSQ-77	SPAR	TON,	FL			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)	ERAP	SCO,	ı			0.25		0.5		1.0*						5			15						20			K	
AN/SSQ-110	SPAR	TON,	FL			0.25		1.5		3.0*						3			15						18			K	
AN/SSQ-110	USSI,					0.25		1.5		3.0*						3			15						18			K	
SUS MK-84	SPAR		FL			0.25		1.5		3.0*						3			15						18			K	
								•		•	FI	SCAL	YEAR	2004								FISC	CAL Y	EAR :	2005				
ITEM / MANUFACTURER	F	s	Q	D	В	200	13						CALEN			2004									DAR YE	-AR 20	005		
	Y	V	T	E	A	0	N	D	J	F	М		М	1	1	Α	s	0	N	D		F	M	Δ.	М	1	1	A S	В
		С	Υ	L	L	C	O	E	A	E	A	P	A	U	U	Ü	E	C	0	E	A	E	A	P	A	U	U	UE	
						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G P	· -
AN/SSQ-36 - UEMS (K)	03		3.3	0.0	3.3										0.3	0.3	0.3	0.5	0.5	0.5	0.3	0.3	0.3						0.
AN/SSQ-36 - SPARTON (K)	03		1.1	0.0	1.1										0.1	0.1	0.1	0.1	0.2			0.1	0.1						0.
AN/SSQ-53 - USSI (K)	03		10.4	0.0	10.4									0.5	• • •	1.0	_	2.0		_		0.4	_						0.
AN/SSQ-53 - SPARTON (K)	03		30.6	0.0	30.6									1.0	2.5	3.5		4.5			3.1		1.0						0.
AN/SSQ-62 - USSI (K)	03 03		4.2	0.0	4.2									0.1	0.2			0.7	0.7	0.7	0.4		0.2	-					0.
AN/SSQ-62 - SPARTON (K) AN/SSQ-77 - SPARTON (K)	03		6.1 1.0	0.0	6.1 1.0										0.4		0.2	1.0	1.0 0.1	0.7	0.4								0.
AN/SSQ-77 - SFARTON (K) AN/SSQ-101- ERAPSCO (K)	03		2.5	0.0	2.5									0.1	0.1	0.1	0.2	0.1	• • • •			_	0.2	0.2	0.2				0.
AN/SSQ-110 - USSI (K)	03		9.3	0.0	9.3												0.9	0.9						0.9					0.
SUS MK 84 - SPARTON (K)	03		3.5	0.0	3.5							0.3	0.3	0.4	0.5	0.5	0.5	0.4	0.3										0.
										FISCAL `	YEAR	2006										FISC	CAL Y	EAR :	2007				
ITEM / MANUFACTURER	F	s	Q	D	В	200)5					C	CALEN	DAR	YEAR	2006							C/	ALEND	DAR YE	AR 20	007		
	Υ	V	Т	Е	Α	0	N	D	.1	F	М	Α	М	J	.I	Α	S	0	N	D	J.	F	М	Α	М	J.	.l	A S	В
		С	Υ	L	L	C	0	E	A	E	Α	Р	Α	Ŭ	Ü	U	E	Ċ	0	E	Ä	E	Α	Р	Α	Ü	Ü	UE	l A
						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G P	َـــــــــــــــــــــــــــــــــــــ
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P-1 SHOPPING LIST

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

DD Form 2445, JUL 87 Previous editions are obsolete
311 / 244 ITEM NO. 90 PAGE NO. 5

Classification: UNCLASSIFIED

FY 06/07 DON BUDGET PRO	DUCTIO	N SC	HEDU	LE, P-	21												DAT	E		FE	BRL	JAR	Y 2	005					
APPROPRIATION/BUDGET A													Wea	pon	Syst	em	P-1	ITE	M NO	OME	NCL	ATL.	JRE		PEC)(A) P	ROG	RAM	
OTHER PROCUREMENT, I	YVAV	B.A.	3 - AVI	ATIO	N SUF	PPORT	EQU	IIPME	ENT			5	Sonol	buoy	, All T	ypes	NAF	RM 40	4800	SUBI	HEAD	U3Q	lΖ						
							Pro	duction	on R	ate					Proc	urem	ent Le	eadtii	mes										
		Man	ufactu	rer's								AL	T Pr	ior	AL٦	- After		Initia	al	R	eord	er					Uni	t of	
Item	١	Name	and Lo	ocatio	n	MS	R	EC	NC	MA	·Χ	to	Oct	1	0	ct 1	N	lfg P	LT	M	fg Pl	Т	-	Tota	I		Mea	sure	9
AN/SSQ-36B	UEMS	S, CA	NADA			0.25		1.0		2.0*						3		15						18			K		
AN/SSQ-36B	SPAR	TON.	FL			0.25		1.0		2.0*						3		15						18			K		
AN/SSQ-53	SPAR					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	SPAR		FL			0.25		1.5		3.0*						3		15						18			K		
AN/SSQ-77	SPAR					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					0.25		0.5		1.0*						5		15						20			K		
AN/SSQ-110	SPAR		FI			0.25		1.5		3.0*						3		15						18			K		
AN/SSQ-110	USSI.					0.25		1.5		3.0*						3		15						18			K		
SUS MK-84	SPAR		FI			0.25		1.5		3.0*						3		15						18			K		
	0.7	Ι,	<u> </u>			0.20		1.0		0.0	EIG	CAL	YEAR	2004							FICC	AL YE	AD 3					T	
ITEM / MANUFACTURER	F	s	Q	D	В	2003	,		1		FR				YEAR 2	004	-			1	FISC			AR YE	- 4 D O	005			
TIEW/WANDI ACTORER	Y	V	T	E	A					_	Τ						-	l							. AR 2		. [В
		Č	Ϋ́	L	Ĺ	O C	N O	D E	J A	F E	M A	A P	M A	J U		A S U E		N O	D E	J A	F E	M A	A P	M A	J	J		S E	A
						T	V	C	N	В	R	R	Y	N	- 1	G P		V	C	N	В	R	R	Y	N	L		P	L
AN/SSQ-53 - USSI (K)	04		74.6	0.0	74.6	l					Α														8.1	8.2	8.3	8.4	41.6
AN/SSQ-53 - SPARTON (K)	04		14.7	0.0	14.7						Α																	1.7	8.4
AN/SSQ-62 - USSI (K)	04		3.7	0.0	3.7					Α																0.5		0.5	1.4
AN/SSQ-62 - SPARTON (K)	04		3.6	0.0	3.6					Α														0.3		0.4		0.5	1.6
AN/SSQ-77 - USSI (K)	04		2.9	0.0	2.9						Α															0.3		0.3	1.7
AN/SSQ-77 - SPARTON (K) AN/SSQ-101- ERAPSCO (K)	04 04		8.7 0.6	0.0	8.7 0.6						Α				^										0.7	0.9	1.1	1.1	4.9 0.6
AN/SSQ-101- ERAPSCO (K)	04		0.6	0.0	0.6										Α		-												0.6
<u> </u>			1																										
										FISCAL	YFAR	2006							-	•	FISC	AL YE	AR 2	007			-		
ITEM / MANUFACTURER	F	s	Q	D	В	2005	;		1	. 100/12	, (DAR '	YEAR 2	006								AR YE	AR 2	007			
	Y	V	Т	Е	Α	0	N	D	J	F	М	А	М	J		A S	0	N	D	J	F	М	A	М	, (2	J	Α	s	В
		С	Υ	L	L	C	0	E	A	E	A	P	A	U	-	UE		O	E	A	E	A	P	A	U	U		E	A
						Т	V	С	N	В	R	R	Υ	Ν	L	G P	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	_
AN/SSQ-53 - USSI (K)	04		74.6	33.0	41.6	8.4	8.4	8.3	8.3	8.2																			0.0
AN/SSQ-53 - SPARTON (K)	04		14.7	6.3	8.4	1.8	1.7	1.7	1.6	1.6																			0.0
AN/SSQ-62 - USSI (K)	04		3.7	2.3	1.4	0.4	0.4	0.3	0.3																				0.0
AN/SSQ-62 - SPARTON (K)	04		3.6	2.0	1.6	0.4	0.4	0.4	0.4	0.0							-	-		.									0.0
AN/SSQ-77 - USSI (K) AN/SSQ-77 - SPARTON (K)	04 04	1	2.9 8.7	1.2 3.8	1.7 4.9	0.4 1.2	0.4	1.0	0.3	0.3								-	+										0.0
AN/SSQ-77 - SPARTON (K) AN/SSQ-101- ERAPSCO (K)	04		0.6	0.0	0.6	0.1	0.1	0.1	0.8	0.7	0.1						1		1										0.0
THE COUNTY	0-4		0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1						1		+	1									0.0
									1								1		1										
		l .	l			l			1								1		+										

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

FY 06/07 DON BUDGET PROD			HEDU	ILE, P	-21													DATE							2005					
APPROPRIATION/BUDGET AC													Wea	por	Sys	tem)	P-1	ITEN	ΛNC	OME	NC	_ATI	JRE	:	PEC)(A) F	PROG	RAM	Ī
OTHER PROCUREMENT, NA	AVY	B.A.	3 - AVI	IATIO	N SU	PPORT	EQI	JIPM	ENT	•		,	Sonol	ouoy	, All 1	Гуре	s	NAR	M 404	800	SUBF	HEAD	U3G	λZ						
							Proc	ductio	n Ra	ate					Pro	cure	emer	nt Le	adtin	nes										
		Man	ufactu	rer's								AL	T Pr	ior	AL	T At	ter		Initia		R	eorc	ler					Un	it of	
Item	1	Name	and Lo	ocatio	n	MSI	R	EC	NC	MA	١X	to	Oct	1	(Oct '	1	M ⁻	fg PL	Τ.	M	fg P	LT		Tota	J	l	Meε	asure	Э
AN/SSQ-36B	UEMS	S, CA	NADA			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAR	RŤON,	, FL			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53	SPAR					0.75		4.0		8.0*	\neg					3			15					<u> </u>	18	\neg		K		
AN/SSQ-53	USSI,					0.75		4.0		8.0*	$\neg \neg$					3			15					<u> </u>	18	\neg		K		
AN/SSQ-62	USSI.					0.25		1.5		3.0*	\neg					3			15						18	\neg		K		
AN/SSQ-62	SPAR	,	FL.			0.25		1.5		3.0*	\neg					3			15						18	\neg		K		
AN/SSQ-77	SPAR					0.25		1.5	3.0*	\neg					3			15					<u> </u>	18	\neg		K			
AN/SSQ-77	USSI,					0.25		1.5		3.0*	\dashv					3			15						18	\dashv		K		
AN/SSQ-17 AN/SSQ-101 (ADAR)	ERAP	•				0.25		0.5		1.0*	\dashv					5			15					<u> </u>	20	\rightarrow	-	K		
AN/SSQ-101 (ADAIX)	SPAR		,			0.25		1.5		3.0*	\dashv					3			15					\vdash	18	-+	 	K		
AN/SSQ-110 AN/SSQ-110	USSI.		<u> </u>			0.25		1.5		3.0*	\dashv					3			15					\vdash	18	-+	 	K		
SUS MK-84	SPAR	,	FI			0.25		1.5	3.0*	\dashv					3			15					_	18	\dashv	\vdash	K		—	
303 WIN-04	SEAN	T ON,	<u> </u>			0.23		1.5		3.0						J			13					<u></u>	-			<u> </u>	—т	—
·	I _					l					FI		YEAF									FISC		EAR 2						
ITEM / MANUFACTURER	F	S	Q	D	В	2003	3					(CALEN	IDAR	YEAR	2004	1					,		LEND	AR YE	:AR 20	005	т т		В
I	Υ	V C	T Y	E L	A L	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	A	M	J	J	A	S	A
I		Ĭ		_	_	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	O V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
AN/SSQ-36 - NOT SELECTED (K)	05		2.1	0.0	2.1	<u> </u>	٠		<u> </u>		<u> </u>	- ' '			-	J	•	H	•	J	A		- 1 \	Ë	 	 	一一	-	$\dot{m{+}}$	2.1
AN/SSQ-50 - NOT SELECTED (K)	05	}	27.9	0.0	27.9																A			┢─	 		\vdash	\vdash	-	27.9
AN/SSQ-62 - NOT SELECTED (K)	05	<u> </u>	3.1	0.0	3.1																Α				 		1		1	3.1
AN/SSQ-77 - NOT SELECTED (K)	05	<u> </u>	5.2	0.0	5.2																Α			t	†					5.2
AN/SSQ-101- ERAPSCO, IN (K)	05	<u> </u>	2.1	0.0	2.1																		Α	t	†					2.1
AN/SSQ-110 - NOT SELECTED (K)	05	•	2.1	0.0	2.1																Α				<u> </u>					2.1
Hydostatic Device - Not Selected (K)	05	İ	0.3	0.0	0.3					† <u> </u>											Α			<u> </u>						0.3
	<u> </u>																							<u> </u>	↓					
																								ᆫ		ш			—	
1										FISCAL	YEAR											FISC		EAR 2						
ITEM / MANUFACTURER	F	S	Q	D	В	2005	5	ı				(CALEN	IDAR	YEAR	2006	3					ı	CA	LEND	AR YE	:AR 20	007			
	Υ	V	T Y	E	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	M	Α	М	J	J	Α	S	B A
			'	_	_	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
AN/SSQ-36 - NOT SELECTED (K)	05		2.4	0.0	2.4	<u>'</u>	V	C	IN	ь						0.4		·		0.1	IN	ь	K		-	IN	<u> </u>	G	_	0.0
AN/SSQ-36 - NOT SELECTED (K) AN/SSQ-53 - NOT SELECTED (K)	05 05		2.1	0.0	2.1					-		1.0	0.1 2.3	3.5				0.2 3.5	0.1 1.6	1.0				├	₩	\vdash		₩		0.0
AN/SSQ-62 - NOT SELECTED (K)	05		3.1	0.0	3.1							0.1	0.2				0.5		0.2	0.1				┢	 			\vdash	\dashv	0.0
AN/SSQ-77 - NOT SELECTED (K)	05		5.2	0.0	5.2								0.3				1.0		0.3	0.1				┢					-	0.0
AN/SSQ-101- ERAPSCO, IN (K)	05		2.1	0.0	2.1							0.1	0.0	-			0.3		0.4		0.1	0.1		1	+				- 1	0.0
AN/SSQ-110 - NOT SELECTED (K)	05		2.1	0.0	2.1							0.1	0.2			0.3		0.3	0.2	0.1				1	+				- 1	0.0
Hydrostatic Device - Not Selected (K)	05	1	0.3	0.0	0.3		1						0.0						0.0	0.0				1	 					0.0
	+	1	1				+	_		+		_			_					<u> </u>		+	1	1	+			-	-	

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

DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST 311/244 ITEM NO. 90 PAGE NO. 7

Classification:

FY 06/07 DON BUDGET PROD APPROPRIATION/BUDGET AC		N SCI	HEDU	LE, P	-21								Maa	.non	Systen		DATE		4 3 10				Y 20	บอ	DEC	·/ A \ F	DO0!		
OTHER PROCUREMENT, N		ВΛ1	2 - A\/	ATIO	NI CITE	PORT	EOI	IIDME	:NIT					•	, All Type			ITEN M 404							PEC)(A) F	ROGI	KAIV	Л
STILK I KOCOKEMENI, N		D.A.) - AV	AIIO	14 301	I		duction		nto.		-	OHO	ouoy	Procur					зоы	ILAL	036	<u> </u>						
		Man	ufactu	ıror'c			FIOC	iuctioi	I Na	ile		Δ1 -	ΓPri	ior	ALT A			Initia		D	eord	lor			I		Uni	t of	<u> </u>
Item	١ ,		and L		n	MS	D	ECC	IAC	MAX	v		Oct		Oct			fg PL			fg P		l	otal			Meas		
AN/SSQ-36B	UEMS				11	0.25	11	1.0	_	2.0*	^	10	Oct	-	3	•	_	15	- 1	IVI	y i		<u>'</u>	18			K	Suit	<u> </u>
AN/SSQ-36B	SPAR					0.25		1.0		2.0*					3			15						18			K		
AN/SSQ-53	SPAR					0.75		4.0		8.0*					3		_	15						18	-		K		—
AN/SSQ-53	USSI,		1 -			0.75		4.0		8.0*					3			15						18	-		K		—
AN/SSQ-62	USSI,					0.75		1.5		3.0*					3			15						18			K		_
AN/SSQ-62	SPAR		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-101 (ADAR)	,	,				0.25		0.5		1.0*					5			15						20	\dashv		K		
AN/SSQ-110		ARTON, FL						1.5		3.0*					3			15						18	_		K		
AN/SSQ-110		PARTON, FL (SSI, IN (1.5		3.0*					3			15						18			K		_
SUS MK-84	SPAR		FL			0.25		1.5		3.0*					3			15						18			K		
		l									F	ISCAL	YFAF	2004							FISC	AL Y	EAR 20		-				Г
ITEM / MANUFACTURER	F	s	Q	D	В	200	3				•				YEAR 200	14					1100		LENDA		AR 20	005			ĺ
	Y	V	T	E	A	0	N	D	J	F	М	Α	M	1	J A	s	0	N	D	J	F	М	A	м	1	J	Α	s	Е
		С	Υ	L	L	C	0	E	A	Ē	A	P	A	Ü	U U	E	C	Ö	E	A	E	A	P	A	Ü	Ü		E	A
						Т	V	С	N	В	R	R	Υ	N	L G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	
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					_				F	FISCAL '	YEAF										FISC		EAR 20						ĺ
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A	200	Ī							NDAR	YEAR 200							1	LENDA		AR 20				В
	ī	C	Ϋ́	L	L	O C	N O	D E	J A	F E	M A	A P	M A	J	J A	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J	J		S E	Α
						T	V	C	N	В	R	R	Y	N	L G	P	T	V	C	N	В	R	R	Ŷ	N	L		P	L
AN/SSQ-36 - NOT SELECTED (K)	06		3.1	0.0	3.1				Α														0.3	0.3	0.4	0.4	0.4	0.4	0.
AN/SSQ-53 - NOT SELECTED (K)	06		30.9	0.0	30.9				Α															3.3			3.7		9.
AN/SSQ-62 - NOT SELECTED (K)	06		5.2	0.0	5.2				Α															0.5			0.7		1.
AN/SSQ-77 - NOT SELECTED (K)	06		8.8	0.0	8.8				Α														0.7				1.3		2
AN/SSQ-101- ERAPSCO, IN (K)	06		2.0	0.0	2.0	.			۸		Α												0.0					0.3	1
AN/SSQ-110 - NOT SELECTED (K)	06		2.6	0.0	2.6				Α														0.2	0.2	0.3	0.3	0.4	υ.4	0.

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Exhibit P-21 Production Schedule

FY 06/07 DON BUDGET PROD			HEDU	LE, P-	21													DATE						RY 2	005					
APPROPRIATION/BUDGET AC															Sys				ITEN			_		_		PEC	D(A) I	PROC	GRAI	VI .
OTHER PROCUREMENT, N	<u>AVY</u>	B.A.	3 - AV	IATIO	N SUF	PPORT						•	Sono	buoy	, All 1				M 404		SUB	HEAD) U30	QΖ						
							Pro	ducti	on F	Rate									adtin		_									
			ufactu				_						T Pr			T Af			Initial			eord			_			_	nit of	
Item			and L		n	MS	R	EC	NC	MA	X	to	Oct	1	(Oct 1	1		fg PL	_T	M	fg P	LT		Tota				asur	e
AN/SSQ-36B			NADA	ı		0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAR					0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53		RTON,	FL			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	SPAR					0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	SPAR	RTON,	FL			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					0.25		0.5		1.0*						5			15						20			K		
AN/SSQ-110	SPAR	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		
SUS MK-84	SPAR	RTON,	FL			0.25		1.5		3.0*						3			15						18			K		
											FIS	CAL	YEAR	2008								FISC	AL Y	EAR 2	009					
ITEM / MANUFACTURER	F	s	Q	D	В	200	7					С	ALEN	DAR \	/EAR	2008							CA	LEND	AR YE	AR 2	009			1
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	C T	0	E C	A N	E B	A R	P R	A Y	U N	Ü	U G	E P	C	0 V	E	A N	E B	A R	P R	A Y	U N	Ü	U	E	A L
AN/SSQ-36 - NOT SELECTED (K)	06		3.1	2.2	0.9	0.3	0.3						•		_		•		•	_					•			_		0.0
AN/SSQ-53 - NOT SELECTED (K)	06	l	30.9	21.0	9.9	3.5	3.3																							0.0
AN/SSQ-62 - NOT SELECTED (K)	06		5.2	3.6	1.6	0.6	0.5	0.5																						0.0
AN/SSQ-77 - NOT SELECTED (K)	06		8.8	6.2	2.6	1.1	8.0																							0.0
AN/SSQ-101- ERAPSCO, IN (K)	06		2.0	0.8	1.2	0.3	0.3		0.2	0.2																				0.0
AN/SSQ-110 - NOT SELECTED (K)	06		2.6	1.8	8.0	0.3	0.3	0.2																						0.0
																														<u> </u>
										FISCAL	YEAR	2010										FISC	AL Y	EAR 2	011					
ITEM / MANUFACTURER	F	S	Q	D	В	200	9					С	ALEN	DAR Y	/EAR	2010						ı	CA	LEND.	AR YE	AR 2	011			В
	Υ	V C	T Y	E L	A L	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	М	Α	М	J	J	A	S	A
		Ŭ	· .	-	-	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	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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* If mobilization is for multiple buoy types then the maximum quantity should be reduced by 30%-50%.

FY 06/07 DON BUDGET PROD		N SCI	HEDU	LE, P-	21													DATE					_	₹Y 2						
APPROPRIATION/BUDGET AC																stem			ITEN							PEC)(A) I	PROG	RAN	1
OTHER PROCUREMENT, NA	AVY	B.A.	3 - AV	ATIO	N SUF	PORT	EQI	JIPM	ENT			;	Sono	buoy	•	Type			M 404		SUBI	HEAI	D U30	QΖ						
							Pro	ductio	on R	ate									adtin											
		Man	ufactu	rer's								AL	T Pr	rior	AL	_T Af	ter		Initia		R	eor	der					Un	it of	
Item			and L		า	MS	R	EC	ON	MA	λX	to	Oct	1		Oct '	1	M	fg PL	_T_	M	fg P	LT		Tota	ıl		Mea	asur	е
AN/SSQ-36B		-, -	NADA			0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAR					0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53	SPAR	RTON,	FL			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	SPAR	RTON,	FL			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-77	Q-77 SPARTON, FL									3.0*						3			15						18			K		
AN/SSQ-77	-77 USSI, IN							1.5 1.5		3.0*						3			15						18			K		
AN/SSQ-101 (ADAR)	ERAF					0.25		0.5		1.0*						5			15					1	20			K		
AN/SSQ-110	SQ-110 SPARTON, FL							1.5		3.0*						3			15					t	18			K		
AN/SSQ-110 AN/SSQ-110	USSI.					0.25		1.5		3.0*					 	3			15					1	18			K		
SUS MK-84	SPAR		FI			0.25		1.5		3.0*						3			15						18			K		
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						T	V	C	N	В	R	R	Y	N	L	G	P	T	V	c	N	В	R	R	Y	N	L	G	P	L
AN/SSQ-53 - NOT SELECTED (K)	07		30.9	0.0	30.9	l															Α			1						30.9
AN/SSQ-62 - NOT SELECTED (K)	07		5.2	0.0	5.2																Α			l						5.2
AN/SSQ-77 - NOT SELECTED (K)	07		8.2	0.0	8.2																Α									8.2
AN/SSQ-101- ERAPSCO, IN (K)	07		2.9	0.0	2.9																		Α							2.9
AN/SSQ-110 - NOT SELECTED (K)	07		3.2	0.0	3.2																Α			<u> </u>						3.2
SUS MK 84 - NOT SELECTED (K)	07		3.1	0.0	3.1																Α		1	1						3.1
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Remarks: * If mobilization is for n	nultiple	buov	types	then t	he ma	ximum	gua	ntity	shou	uld be	redu	ıced	bv :	30%	-509	%.		-		-		1	•	-	-	_				_

ITEM NO. 90

FY 06/07 DON BUDGET PRO			HEDL	JLE, F	P-21													DATE							005					
APPROPRIATION/BUDGET AC										_					•	stem		-	ITEN							PE)(A) I	PROC	3RAN	Л
OTHER PROCUREMENT, N	AVY	B.A.	3 - AV	IATIO	N SU	PPORT						;	Sono	buoy	•				M 404		SUBI	HEAL) U30	QΖ						
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Item			and L		n	MS	SR	EC	NC	M/	١X	to	Oct	1	(Oct '	1	_	fg Pl	_!_	M	fg P	LT		Tota	<u> </u>			asur	е
AN/SSQ-36B			NADA	١		0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-36B	SPAR					0.25		1.0		2.0*						3			15						18			K		
AN/SSQ-53	SPAR		, FL			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	SPAR					0.25		1.5		3.0*						3		_	15						18			K		
AN/SSQ-77	SPAR		, FL			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					0.25		0.5		1.0*						5			15						20			K		
AN/SSQ-110	SPAR	RTON	, FL			0.25		1.5		3.0*						3			15						18			K		
AN/SSQ-110	USSI					0.25		1.5		3.0*						3			15						18			K		
SUS MK-84	SPAR	RTON	, FL			0.25		1.5		3.0*						3			15						18			K		
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ITEM / MANUFACTURER	F	S	Q	D	В	200)7						CALE	NDAR	YEA	R 200	B						CA	LEND	AR YE	EAR 2	:009			ı
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	s	В
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						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Τ	V	С	Ν	В	R	R	Υ	N	L	G	Р	
AN/SSQ-53 - NOT SELECTED (K)	07		30.9	0.0	30.9							3.6		3.8	4.0	4.0	4.0	2.6	2.6	2.5										0.0
AN/SSQ-62 - NOT SELECTED (K)	07		5.2	0.0	5.2									0.6	0.7	0.7	0.7	0.6	0.5	0.5										0.0
AN/SSQ-77 - NOT SELECTED (K)	07		8.2	0.0	8.2							8.0	0.9	0.9	1.0	1.0		0.9	0.9	0.8	0.0	0.0								0.0
AN/SSQ-101- ERAPSCO, IN (K) AN/SSQ-110 - NOT SELECTED (K)	07 07		2.9 3.2	0.0	2.9 3.2							0.2	0.3	0.2	0.3	0.4		0.4	0.4	0.3	0.3	0.2								0.0
SUS MK 84 - NOT SELECTED (K)	07		3.1	0.0	3.1													0.4	0.4	0.3										0.0
I SOS MIK 64 - NOT SEELETED (K)	07		5.1	0.0	3.1							0.2	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.2										0.0
									F	FISCAL	YEAF	R 201	0									FISC	AL YE	EAR 2	2011					
ITEM / MANUFACTURER	F	S	Q	D	В	200	9						CALE	NDAR	YEA	R 201	0						CA	LEND	AR YE	EAR 2	011			1
	Υ	V	T	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	Ν	D	J	F	М	Α	М	J	J	Α	s	B A
		С	Υ	L	L	C	O V	E	A	E	A	Р	A	U	U	U	E	C T	0	E	A	E	A	Р	A	U	U	U	E	L
	1-	<u> </u>	1			Т	V	С	N	В	R	R	Υ	N	L	G	Р	1	V	С	N	В	R	R	Υ	N	L	G	Р	⊢
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P-1 SHOPPING LIST DD Form 2445, JUL 87 Previous editions are obsolete PAGE NO. 11

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	BUDGE	T ITEM JU	STIFICATIO	N SHEET				С	ATE:		February 20	05
			P-40									
APPROPRIATION/BL	JDGET ACTI	VITY			P-1 ITEM N	OMENCLAT	URE	BLI 420400				
OTHER PROCUREM	ENT, NAVY/	BA-3 Avia	tion Suppo	rt Equipmer	WEAPONS	RANGE SU	PPORT EQU	JIPMENT (43SC)			
Program Element for (Code B Items	:			Other Relat	ted Program	Elements					
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$108.0		\$30.7	\$54.9	\$46.6	\$56.2	\$41.8	\$60.7	\$60.1	\$61.1	Cont.	Cont.

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 RADAR UPGRADE (FALLON)

The Fallon Training Range Complex Electronic Warfare (EW) capabilities consists of 47 emitters on 37 sites located largely within the Dixie Valley area. This effort will upgrade the EW range to provide new sites and emitters that reflect real world air defense systems that force the aircrew to detect, identify, and defeat or evade the threat.

ELECTRONIC WARFARE THREAT UPGRADE (MAEWR/DARE COUNTY)

The Mid-Atlantic Electronic Warfare Range (MAEWR) and Dare County, North Carolina have a requirement for EW emitters to provide the necessary threat environment capabilities required at MAEWR including early warning and acquisition radars, Man Portable Air Defense System (MAMPADS) and Threat Radar Emitter Simulator.

ELECTRONIC WARFARE THREAT SYSTEMS (SCORE)

The EW Threat Systems (SCORE) has a requirement for EW Systems and an integrated air defense system for Adversary Island to support Fleet Training.

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 non-developmental 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 CTS system. The TCTS consists of airborne instrumentation called Participant Subsystems and Ground Subsystems and Ground Subsystems. The Ground Subsystem has 4 configurations: Transportable, Portable, Shipboard and Fixed Ground Subsystem.

P-1 SHOPPING LIST

	BUDGE	T ITEM JU	JSTIFICATIO	N SHEET					ATE:		February 20	05
			P-40									
APPROPRIATION/E	SUDGET ACTI	VITY			P-1 ITEM N	OMENCLAT	TURE	BLI 420400				
OTHER PROCURE	MENT, NAVY/	BA-3 Avia	ation Suppo	rt Equipme	WEAPONS	RANGE SU	PPORT EQU	JIPMENT (43SC)			
Program Element fo	Code B Items	s:			Other Rela	ted Progran	n Elements					
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$108.0		\$30.7	\$54.9	\$46.6	\$56.2	\$41.8	\$60.7	\$60.1	\$61.1	Cont.	Cont.

TARGETS/SMART TARGETS

A variety of targets and visual cues are required to train deploying aircrews in the demands of time-critical targeting and Network Centric Warfare. Mobile targets such as vehicles and visually representative shapes are required for use at Fallon. Small boat targets are required to support aviation and surface training at SCORE. Ground and mobile targets, integrated with Smokey SAMs, are required at Yuma to support training readiness in weapon targeting and delivery. FY05 congressional funds will procure one system.

SHALLOW WATER TRAINING RANGE/PACIFIC FLEET PORTABLE ASW RANGE

FY06 and FY07 funds the procurement of a portable underwater range to support ASW training for Forward Deployed Naval Forces (FDNF). The system will be capable of tracking submarines, weapons, targets, and unmanned underwater vehicles, and will be able to be deployed, operated, and recovered by fleet personnel. Most Navy training instrumentation is located within CONUS to provide individual and unit training for developing basic operating skills. Large exercises such as Composite Training Unit Exercise (COMPTUEX), Fleet Exercise (FLEETEX), and Joint Task Force Exercise (JTFEX) can also be supported to some extent when conducted in the vicinity of the fixed fleet ranges at at Southern California Off Shore Range (SCORE), Atlantic Fleet Weapons Training Facility (AFWTF), and Littoral Warefare Training Center (LWTC). When units deploy overseas, there are very few instrumented training facilities available for honing skills to maintain a high state of readiness. Consequently, readiness can begin to deteriorate due to a lack of adequate training facilities.

TEST & TRAINING ENABLING ARCHITECTURE (TENA)

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

U.S. JOINT FORCES COMMAND (USJFCOM)

The USJFCOM Joint Training will purchase a core set of communications hardware and software to construct the communication architecture for Joint National Training Capability (JNTC) Live-Virtual-Constructive (LVC) efforts. This equipment is essential to the JNTC LVC events in order to fully distribute model simulator, live force, C4I and network data to the sites identified and approved by all services in the JNTC communications implementation plan. The proposed components will establish the basic communications architecture required to support the GCCC, it's associated hub-sites, as well as the level 1 and 2 sites that are in the future of the JNTC federation. OPN dollars for JNTC no longer coming to NAVAIR. Funds have been moved from the 4204 line beginning in FY06.

FLEET READINESS PROGRAM

This project supports the Navy's transition of fleet training from Vieques Puerto Rico to various locations along the East Coast and Gulf of Mexico. The FRP invests in or procures training instrumentation and tracking systems (air, surface and subsurface), threat presentation systems, scoring systems and communications systems at several existing training locations including but not limited to Oceana, Cherry Point, Beaufort, Townsend, Key West and Atlantic Underwater Test and Evaluation (AUTEC). The FY2004 program provided an additional coastal threat system, upgrades to existing threats to make them react to aircrew actions, radiating emitter simulator systems capable of stimulating shipboard anti-cruise missile defense systems, additional range interconnectivity, additional targets, and upgrades to Naval Surface Fire Support NSFS) Scoring System (Portable). The FY2005 program provides an additional coastal threat system, more upgrades to existing threats, additional radiating emitter simulator systems, additional range interconnectivity, additional targets, and replaces obsolete components in the Large Area Tracking Range (LATR) system.

JOINT THREAT EMITTER (JTE)

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

CLASSIFICATION: UNCLASSIFIED

	BUDGE	T ITEM JU	ISTIFICATIO	N SHEET				С	ATE:		February 20	05
			P-40									
APPROPRIATION/E	BUDGET ACTI	VITY			P-1 ITEM N	OMENCLAT	TURE	BLI 420400				
OTHER PROCURE	MENT, NAVY/	BA-3 Avia	ition Suppo	rt Equipme	WEAPONS	RANGE SU	PPORT EQU	JIPMENT (43SC)			
Program Element fo	r Code B Items	:			Other Rela	ted Progran	n Elements					
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$108.0		\$30.7	\$54.9	\$46.6	\$56.2	\$41.8	\$60.7	\$60.1	\$61.1	Cont.	Cont.

MULTI-SPECTRAL THREAT EMITTER

This FY05 congressional add will procure 1 Multi-spectral Threat Emitter Simulator (MTES) for the Mid-Atlantic Electronic Warfare Range. The MTES is an EW threat emitter that visually represents a specific surfact-to-air threat. The system will be mobile and provide full RF/IR fidelity. The current system under consideration is an IR simulator.

PMRF UPGRADES

The Pacific Missile Range Facility (PMRF) supports a wide variety of training exercises involving air, surface, and subsurface units. This FY05 congressional add 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.

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR A	AGGREGATED I	TEMS			DATE:			Februa	ry 2005			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM	NOMENCLA			rebiua	ii y 2003			
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support E	quipment		BLI 420400 WE	APONS RANGE	SUPPORT EQU	IPMENT						
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	To Complete	Total
ELECTRONIC WARFARE THREAT RADAR UPGRADE (FALLON)												
QUANTITY COST (In Thousands)						1 3,354						
EW THREAT SYSTEMS (MAEWR/DARE) QUANTITY												
COST (In Thousands)												
EW THREAT SYSTEMS (SCORE) QUANTITY COST (In Thousands)						1 4,254						
JOINT THREAT EMITTER (JTE)				1		4,254						
QUANTITY COST (In Thousands)				2,123								
MULTI-THREAT EMITTER SIMULATOR (MTES) QUANTITY COST (In Theorems)				1 2,377								
COST (In Thousands) SRAM												
QUANTITY COST (In Thousands)		VAR 69,173	VAR 4,346	VAR 3,452	VAR 7,235	VAR 6,704						
LATR SYSTEM		55,5	1,010	0,102	1,200	0,.0.						
LATR ATSTS REPLACEMENT QUANTITY					5	2						
COST (In Thousands)					250	100						
LATR PORTABLE TEST UNIT REPLACEMENT QUANTITY COST (In Thousands)					10 100	3 30						
TEST & TRAINING ENABLING ARCHITECTURE (TENA)					100	30						
QUANTITY COST (In Thousands)												
U.S. JOINT FORCES COMMAND (USJFCOM) 2/				VAR								
QUANTITY COST (In Thousands)				12,000								
TCTS TRANSPORTABLE/MOBILE CORE												
QUANTITY COST (In Thousands)			1 529									
FIXED RANGE REPEATER												
QUANTITY COST (In Thousands)			1 77									
JTRS RETROFIT KITS						-				-		
QUANTITY COST (In Thousands)												
SHIPBOARD GROUND SUBSYSTEM												
QUANTITY COST (In Thousands)				1,020								
TRANSPORTABLE GROUND SUBSYSTEM QUANTITY					2							
COST (In Thousands)					438	1 227						
PORTABLE GROUND SUBSYSTEM				4	8	10						
QUANTITY COST (In Thousands)				100	200	12 300						
FIXED GROUND SUBSYSTEM QUANTITY					1	2						
COST (In Thousands)					255	516						
REMOTE RANGE UNIT												

BUDGET ITEM JUSTIFICATION SHEET FOR	AGGREGATED	ITEMS			DATE:							
P-40a APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM	NOMENCLA			Februa	ry 2005			
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support			BLI 420400 WE	APONS RANGE	SUPPORT EQU	IIPMENT						
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY2010	FY2011	To Complete	Total
QUANTITY					1	10						1
COST (In Thousands)					80	726						
TARGETS/SMART TARGETS QUANTITY				1	VAR							
COST (In Thousands)				1,500	5,000							
SHALLOW WATER TRAINING RANGE (SWTR)/PORTABLE UTR/1												
PORTABLE UNDERWATER TRAINING RANGE (PACFLT)												
QUANTITY					VAR	1						
COST (In Thousands)					16,958	22,067						
PMRF UPGRADES QUANTITY				VAR	1	1			1			\vdash
QUANTITY COST (In Thousands)	+	+	+	VAR 2,597	-	-	-		-		-	\vdash
COST (III THOUSARIUS)	+	+	+	2,587	†	†			†		1	\vdash
FLEET READINESS PROGRAM /1				1	1	1			1			
COASTAL THREAT SYSTEMS			†	—	—	—			—		1	
QUANTITY		1	1	1	—	—			—		1	
COST (In Thousands)		6,343	6,547	4,903								
COST (III Triousarius)		0,343	0,547	4,503								
REACTIVE TRES			-						-			
									-			
QUANTITY			11	8								
COST (In Thousands)			7,331	5,336								ļ
RADAR EMISSION SIMULATING SET												
QUANTITY			3	5	5	5						
COST (In Thousands)			2,029	3,200	3,500	3,600						
IADS/COMMAND AND CONTROL (Formerly Comm Jammers)/4		-										
QUANTITY			1	1								1
COST (In Thousands)			1,083	900								
OCOT (III Tribucarido)			1,000	000								
NSFS SCORING SYSTEM (PORTABLE)												
QUANTITY		9	1									
COST (In Thousands)		2,638	2,283									
COST (III Triousarius)		2,030	2,203									
RANGE SCORING SYSTEM UPGRADES	+	+	+				1					
QUANTITY	+	VAR	VAR	†	†	†			†		1	\vdash
COST (In Thousands)	+	431	30	†	†	†			†		1	\vdash
COST (III THOUSANDS)	+	431	30	 	 	 	1		 		1	
TARGETS			+	 	 	 			 		1	
QUANTITY		1	VAR	VAR	VAR	VAR			1			
			_					-	+		1	
COST (In Thousands)	+	+	200	212	218	224	 		-		1	
TRACKING SYSTEM UPGRADES			+	 	 	 		-	+		1	
QUANTITY QUANTITY		VAR	VAR	VAR	VAR	 		-	+		1	
		1,280	860	2,944		 		-	+		1	
COST (In Thousands)	-	1,280	860	2,944	2,100	-	-		-		1	
	+	1 000 175					-		-		-	\vdash
OTHER COSTS		1,000,477	5,390	12,242	10,288	14,133			_			 _
TOTAL FUNDING		1,080,342	30,705	54,906	46,622	56,235			 		1	
1/ ADDED SHALLOW WATER TRAINING RANGE TO NAME TO BETTER D	ESCRIBE PROGRAM	1,000,042	30,703	34,300	40,022	30,233			—		1	
2/ PORTABLE MINE WARFARE (MIW) TRAINING SYSTEM REQUIREMENT		XCOMM OCTOBER 0	13	İ	İ	İ			1	1	1	
3/FRP FORMERLY NAMED TRS											İ	
4/ IADS/COMMAND AND CONTROL CHANGED NAME FROM COM	M JAMMERS TO BE	TTER DESCRIBE P	ROGRAM									
			-				-		•			

	WEAPONS SYSTEM COST ANALYSIS P-5						WEAPOI	NS SYSTEM					Februa	ary 2005	
APPROPRIA	ATION/BUDGET ACTIVITY			ID Code	P-1 ITEM NOMEN	CLATURE/SUBHE	AD							robiuu	19 2000
	curement, Navy														
BA-3 Aviat	ion Support Equipment						BLI	420400 WE	APONS RANG	E SUPPORT	EQUIPMENT	743SC	1		
COST	ELEMENT OF COST	ID Code	Prior Years		FY2	2004		FY2005			FY2006			FY2007	
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	ELECTRONIC WARFARE													0.054	2054
	THREAT RADAR UPGRADE (FALLON) EW THREAT SYSTEM (MAEWR/DARE)												1	3,354	3354
	EW THREAT SYSTEM (SCORE)												1	4,254	4254
	JOINT THREAT EMITTER (JTE)						1	2,123	2,123				'	4,254	4234
	MULTI-SPECTRAL THREAT EMITTER SIMULATOR						1	2,123	2,123						
	SRAM		69,173	VAR	VAR	4,346	VAR	VAR	3,452	VAR	VAR	7,235	VAR	VAR	6,704
			09,173	VAN	VAN	4,340	VAIN	VAIN	3,432	VAIN	VAIN	7,233	VAIN	VAIN	0,704
	LATE ATOTO DEPLACEMENT									5	50	250	2	50	100
	LATR ATSTS REPLACEMENT LATR PORTABLE TEST UNIT REPLACEMENT									10	10	100	3	10	30
	TEST & TRAINING ENABLING ARCHITECTURE (TENA)									10	10	100		10	30
	U.S. JOINT FORCES COMMAND (USJFCOM)						VAR	VAR	12,000						
	TCTS						VAR	VAR	12,000						
					500	500									
	TRANSPORTABLE/MOBILE CORE			1	529	529									
	FIXED RANGE REPEATER			1	77	77									
	JTRS RETROFIT KITS														
	SHIPBOARD GROUND SUBSYSTEM						1	1,020	1,020					007	207
	TRANSPORTABLE GROUND SUBSYSTEM									2	219	438	1	227	227
	PORTABLE GROUND SUBSYSTEM						4	25	100	8	25	200	12 2	25 258	300
	FIXED GROUND SUBSYSTEM									1	255	255	10	72.6	516 726
	REMOTE RANGE UNIT									1	80	80	10	72.6	726
	TARGETS/SMART TARGETS						1	1,500	1,500	VAR	VAR	5,000			
	UNDERWATER RANGES													00.007	00.007
	SHALLOW WATER TRAINING RANGE/PORTABLE UTR									VAR	VAR	16,958	1	22,067	22,067
	PORTABLE MIW TRAINING SYSTEM (REQUIREMENT DELETED)							=							
	PMRF UPGRADES						VAR	VAR	2,597						
	FLEET READINESS PROGRAM/1														
	COASTAL THREAT SYSTEMS		6,343	1	6,547	6,547	1	4,903	4,903						
	REACTIVE TRES			11	666.5	7,331	8	667	5,336	_			_	700	0.000
	RADAR EMISSION SIMULATING SET			3	676	2,029	5	640	3,200	5	700	3,500	5	720	3,600
	IADS/COMMAND AND CONTROL/2			1	1,083	1,083	1	900	900						
	NSFS SCORING SYSTEM (PORTABLE)		2,638	1	2,283	2,283									
	RANGE SCORING SYSTEM UPGRADES		431	VAR	VAR	30) / A D	\/A.D	201
	TARGETS			VAR	VAR	200	VAR	VAR	212	VAR	VAR	218	VAR	VAR	224
	TRACKING SYSTEM UPGRADES		1,280	VAR	VAR	860	VAR	VAR	2,944	VAR	VAR	2,100			40.005
	PRODUCTION ENGINEERING, OTHER	N/A	92,099			2,929			9,570			6,352			10,265
	ACCEPTANCE TEST & EVALUATION	N/A	7,481			625			636			592			611
	INSTALLATION OF EQUIP-NON FMP	N/A	10,776			350			1,092			1,528			2,035
	ILS, OTHER RANGES	N/A	34,147			1,426			944			1,816			1,222
l l	VARIOUS/3		855,974			60									
	rmerly named TRS. nand and Control name change to better describe program.														
	nt identified against this cost element reflects total prior year funding asso	ciated wi		no longer fir	anced in FY200										
			1,080,342			30,705	Ļ		54,906			46,622			56,235

WEAPONS SYSTEM

WEAPONS SYSTEM COST ANALYSIS

DATE:

BUDGET PROCUREMENT HISTORY AND PLANNING EXH	HIBIT (P-5A)					Weapon System	,	A. DATE February	2005	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			SUBHEAD	
Other Procurement, Navy BA-3 AVIATION SUPPORT EQUIPMENT					WEA	PONS RANGE SUPPORT EQU	IPMENT		43SC	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
ELECTRONIC WARFARE SC102 THREAT RADAR UPGRADE (FALLON)										
2007	1	3,354	NAVAIR	5/06	FFP/OPTION	Northrop/Grumman/Amherst	10/06	07/07	YES	N/A
SC104 EW THREAT SYSTEMS (SCORE) 2007	1	4,254	NAVAIR	5/06	FFP/OPTION	Northrop/Grumman/Amherst	10/06	07/07	YES	N/A
SC156 JOINT THREAT EMITTER (JTE) 2005	1	2,123	Hill AFB	3/05	FFP/OPTION	Northrop/Grumman/Amherst	5/05	5/07	NO	N/A
	'	2,123	TIMI AI B	3/03	111701 HON	Notifiop/Ordininal/Affiless	3/03	3/01	NO	13//5
SC157 MULTI-SPECTRAL THREAT EMITTER (MTES) 2005	1	2,377	TSMO	3/05	CPFF	DRS	5/05	5/07	NO	N/A
SC004 SYS REPL & MOD (SRAM)										
2004 2005	VAR VAR	VAR VAR	FED IND SUP CTR FED IND SUP CTR	VAR VAR	VAR VAR	VAR VAR	01/04 01/05	08/04 08/05	YES YES	N/A N/A
2006	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	01/06	08/06	YES	N/A
2007	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	01/07	08/07	YES	N/A
SC034 LATR SYSTEM										
SC136 LATR ATSTS REPLACEMENT	_	50	NAVAID	05/04	FED/ODTION	No athres = (0 / 0 h	40/05	07/00	VEO	NI/A
2006 2007	5 2	50 50	NAVAIR NAVAIR	05/04 05/05	FFP/OPTION FFP/OPTION	Northrop/Grumman/Amherst Northrop/Grumman/Amherst	10/05 10/06	07/06 07/07	YES YES	N/A N/A
SC137 LATR PORTABLE TEST UNIT REPLACEMENT										
2006	10	10	NAVAIR	05/04	FFP/OPTION	Northrop/Grumman/Amherst	10/05	07/06	YES	N/A
2007	3	10	NAVAIR	05/05	FFP/OPTION	Northrop/Grumman/Amherst	10/06	07/07	YES	N/A
SCXXX U.S. JOINT FORCES COMMAND (USJFCOM)										
2005	VAR	VAR	VAR	VAR	VAR	VAR	N/A	N/A	N/A	N/A
SC039 TCTS TRANSPORTABLE/MOBILE CORE										
2004	1	529	ACC/WMR	11/02	FFP	Cubic Defense Application	01/04	09/04	NO	5/04
SC039 TCTS										
FIXED RANGE REPEATER 2004	1	77	ACC/WMR	11/02	FFP	Cubic Defense Application	01/04	09/04	NO	5/04
SC038 SHIPBOARD GROUND SUBSYSTEM										
2005	1	1020	ACC/WMR	11/02	FFP	Cubic Defense Application	10/04	11/05	N/A	N/A
SC039 TRANSPORTABLE GROUND SUBSYSTEM										
2006	2	219	ACC/WMR	11/04	FFP	Cubic Defense Application	10/05	11/06	N/A	N/A
2007	1	227	ACC/WMR	11/04	FFP	Cubic Defense Application	10/06	11/07		
SC138 PORTABLE GROUND SUBSYSTEM										
2005	4	25	ACC/WMR	11/02	FFP	Cubic Defense Application	10/04	07/05	NO	5/04
2006 2007	8 12	25 25	ACC/WMR ACC/WMR	11/02 11/02	FFP FFP	Cubic Defense Application Cubic Defense Application	10/05 10/06	07/06 07/07	NO NO	5/04 5/04
2001	12	20	ACC/WINIX	11/02	'''	Cabic Defende Application	10/00	01/01	140	3/04

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (F	-3A)					Weapon System	l '	A. DATE February	2005	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE	I.	rebruary	SUBHEAD	
Other Procurement, Navy										
BA-3 AVIATION SUPPORT EQUIPMENT	1		T		CONTRACT	PONS RANGE SUPPORT EQU	IPMENT	DATE OF	43SC SPECS	IF NO
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	WHEN AVAILABLI
SC139 FIXED GROUND SUBSYSTEM		(000)								
2006	1	255	ACC/WMR	11/02	FFP	Cubic Defense Application	10/05	07/06	NO	5/04
2007	2	258	ACC/WMR	11/02	FFP	Cubic Defense Application	10/06	07/07	NO	5/04
SC140 REMOTE RANGE UNIT										
2006	1	80	ACC/WMR	11/02	FFP	Cubic Defense Application	10/05	07/06	NO	5/04
2007	10	72.6	ACC/WMR	11/02	FFP	Cubic Defense Application	10/06	07/07	NO	5/04
SC041 TARGETS/SMART TARGETS	1	4.500	FED OUD OTD	0/05	FFP	O-monto alt	3/05	0/00	VEO	NI/A
<u>2005</u> 2006	1 VAR	1,500 VAR	FED SUP CTR ACC/WMR	2/05 11/02	FFP	Sensytech Cubic Defense Application	10/05	9/06 07/06	YES NO	N/A 5/04
2006	VAR	VAR	ACC/WWK	11/02	FFF	Cubic Deletise Application	10/05	07/06	NO	5/04
SC700 PMRF UPGRADES										
2005	VAR	VAR	VAR	VAR	VAR	VAR	6/05	6/06	YES	N/A
UNDERWATER RANGES										
SC012 SHALLOW WATER TRAINING RANGE (SWTR) PORTABLE UTR										
2006	VAR	VAR	NAVAIR	1/06	CPFF	VAR	3/06	9/08	NO	1/06
2007	1	22067	NAVAIR	1/07	CPFF	VAR	3/07	9/09	NO	1/07
FLEET READINESS PROGRAM (FRP)										
SC143 FRP 2004 COASTAL THREAT SYSTEMS		CE 47	NAWCWDCL	10/03	CPFF	LOCKHEED MARTIN	12/03	1/00	YES	10/03
2005 COASTAL THREAT SYSTEMS	1 1	6547 4903	NAWCWDCL	10/03	CPFF	LOCKHEED MARTIN	01/05	1/06 01/07	YES	10/03
2000 GONOTAL TIMENT OF OFEINIO	· '	4500	WWWOWDOL	10/04	0111	LOOKILLD WATERING	01/00	01/07	120	10/00
SC144 FRP										
2004 REACTIVE TRES	11	666	NAWCWDCL	10/03	CPFF	LOCKHEED MARTIN	12/03	12/06	YES	10/03
2005 REACTIVE TRES	8	667	NAWCWDCL	11/04	CPFF	LOCKHEED MARTIN	01/05	06/06	YES	10/03
SC145 FRP										
2004 RADAR EMISSION SIMULATING SET	3	676	NAWCWD PT Mugu	N/A	PX	NAWCWD PT Mugu	01/04	11/04	N/A	N/A
2005 RADAR EMISSION SIMULATING SET	5	640	NAWCWD PT Mugu	N/A	PX	NAWCWD PT Mugu	12/04	10/05	N/A	N/A
2006 RADAR EMISSION SIMULATING SET	5	700	NAWCWD PT Mugu	N/A	PX	NAWCWD PT Mugu	12/05	10/06	N/A	N/A
2007 RADAR EMISSION SIMULATING SET	5	720	NAWCWD PT Mugu	N/A	PX	NAWCWD PT Mugu	10/06	08/07	N/A	N/A
l										
SC146 FRP 2004 IADS/COMMAND AND CONTROL	1	1083	TBD	11/02	FFP	TBD	10/03	10/04	NO	N/A
2005 IADS/COMMAND AND CONTROL	'	900	TBD	11/02	FFP	TBD	10/03	10/04	NO NO	N/A N/A
2000 IADO/COIVIIVIAND AIND CONTINGE	l '	300	100	11/03		100	10/04	10/03	110	IN/A
SC148 FRP										
2004 NSFS SCORING SYSTEM (PORTABLE)	1	2283	NSWC Indian Head	N/A	PX	NSWC Indian Head	02/04	02/06	N/A	N/A
SC150 FRP										
2004 RANGE SCORING SYSTEM UPGRADES	VAR	VAR	NSWC Corona	N/A	PX	NSWC Corona	03/04	12/04	N/A	N/A
SC151 FRP	l]
2004 TARGETS	VAR	VAR	VAR	VAR	VAR	VAR	03/04	08/04	N/A	N/A
2005 TARGETS	VAR	VAR	VAR	VAR	VAR	VAR	03/05	08/05	N/A	N/A
2006 TARGETS	VAR	VAR	VAR	VAR	VAR	VAR	03/06	08/06	N/A	N/A
2007 TARGETS	VAR	VAR	VAR	VAR	VAR	VAR	03/07	08/07	N/A	N/A
SC152 FRP										
2004 TRACKING SYSTEM UPGRADES	VAR	VAR	NAWCWDCL	VAR	VAR	VAR	03/04	12/05	N/A	N/A
2005 TRACKING SYSTEM UPGRADES	VAR	VAR	NAWCADPAX	VAR	VAR	VAR	01/05	01/06	N/A	N/A
2006 TRACKING SYSTEM UPGRADES	VAR	VAR	NAWCWDCL	VAR	VAR	VAR	03/06	03/07	N/A	N/A
	1	l					1		l	

D. REMARKS

**SRAM, TARGETS, AND PMRF Upgrades consists of a variety of projects each FY with award dates starting when funds are released.

	BU	DGET	ITEM JUS	TIFICATION	N SHEET			DATE:				
			P-	40					F	ebruary 20	005	
APPROPRIATION/B	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATU	RE			
OTHER PROCU	REMENT, NA	VY/ B	A-3 Aviatio	n Support	Equipment		4208	Expedition	nary Airfiel	ds/43SE		
Program Element fo	r Code B Items:						Other Relate	ed Program El	ements			
Not Applicable												
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$155.7		\$7.5	\$7.5	\$7.9	\$8.0	\$8.2	\$8.4	\$8.6	\$8.8	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.

A total of twenty-eight (28) mobile arresting gear systems (2 refurbished Engineering Development Model (EDM)) systems and 26 Other Procurement, Navy (OPN) procured systems, as well as associated equipment, accessories, and service changes are procured and fielded with these funds. Equipment procurements are based on inventory shortfalls, product improvements to fill or correct known deficiencies, modernizing EAF equipment to improve maintainability, reliability, and safety-of-flight, and to keep pace with new aircraft and aircraft systems. Additionally, equipment procurements will facilitate forward deployment of EAF systems aboard Rapid Deployment Force/Maritime Prepositioning Force (RDF/MPF) ships which is an operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 2006 /2007 budget request provides for service change kit procurements, Minimum Operating Strip Lighting Systems (MOSLS), Minimum Operating Strip Lighting Kits (MOSKIT), Supplemental Airfield Lighting Kits (SALKIT) and Cable Kits (CABKIT), M-31 Mobile Arresting Gear, production engineering (PE), and ILS for EAF procurement products.

DD Form 2454, JUN 86 ITEM NO. 92 PAGE NO. 1 CLASSIFICATION:

	WEAPONS SYSTEM CO P-5	ST ANA	ALYSIS			Weapon Sys	stem						DATE: Februa	ry 2005	
Other P	PRIATION/BUDGET ACTIVITY Procurement, Navy					ID Code			IRE/SUBHEAL				1 001 44	. y 2000	
BA3 - A	viation Support Equipment	T	TOTAL COST	Γ IN THOUS	ANDS OF D	OLLARS		EXPEDIT	IONARY A	IRFIELDS	/ 43SE				
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cos
SE010	Service Change Kits		17,100			561			248			5,148			5,272
	AM-2 Mat M-31			173	3	(561)	29	9	(248)	484 28	8 46	(3,848) (1,300)	437 28	9 48	(3,920 (1,352
SE010	MOSLS		11,320						660			2,352			2,394
	MOSKIT SALKIT CABKIT		(3,588) (5,938) (1,794)				6	110	(660)	7 7 7	112 112 112	(784) (784) (784)	7 7 7	114 114 114	(798 (798 (798
	M-31 Mobile Arresting Gear M-31 Mobile Arresting Gear Refurbishment for 2 EDM Units		11,038 835	7	969	6,780	7	921	6,450						
SE800	Integrated Logistics Support		4,150			88			37			152			148
SE830	Production Engineering		13,477			73			86			208			227
SE860	Acceptance Test & Evaluation														
	Various 1/		97,824												
·	· · · · · · · · · · · · · · · · · · ·		155,744			7,502			7,481			7,860			8,041

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 92 PAGE NO. 2

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY2003 and beyond.

CLASSIFICATION:

BUDGET PROCUREMENT	HISTORY AND	PLANNIN	IG EXHIBIT (P-5A)			Weapon System		A. DATE		
								F	ebruary 2	005
B. APPROPRIATION/BUDGET ACTI Other Procurement, Navy	VITY				C. P-1 ITEM NOM	MENCLATURE			SUBHEAD	
BA3 - Aviation Support	Equipment				EXPEDITION	IARY AIRFIELDS			43SE	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY 2004		(000)								
M-31 Arresting Gear	7	969	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-03	Nov-04	Yes	Apr-02
FY 2005										
Service Change Kits	29	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham	Nov-04	Apr-05	Yes	N/A
MOSLS - CABKIT	6	110	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-04	Nov-05	No	NA
M-31 Arresting Gear	7	921	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-04	Nov-05	Yes	Apr-02
FY 2006 Service Change Kits	484	8	NAWCADLKE	Aug-04	Option-FFP	Deschamps, Angouleme, FR	Nov-05	Apr-06	Yes	N/A
, and the second				-		Metalite Aviation Lighting - Winster Grove, Birmingham				
MOSLS - CABKIT	21	112	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-05	Nov-06	No	NA
M-31 Arresting Gear Kits	28	46	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-05	Nov-06	Yes	Apr-02
FY 2007										
Service Change Kits	437	9	NAWCADLKE	Aug-04	Option-FFP	Deschamps, Angouleme, FR Metalite Aviation Lighting - Winster Grove, Birmingham	Nov-06	Apr-07	Yes	N/A
MOSLS - CABKIT	21	114	NAWCADLKE	Dec-01	Option-FFP	UK	Nov-06	Nov-07	No	NA
M-31 Arresting Gear Kits	28	48	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-06	Nov-07	Yes	Apr-02
D. REMARKS						<u> </u>		1		

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

ITEM NO. 92 PAGE NO. 3

FY2005 BUDGET PRODUCT	TION SCH	HEDU	LE, P	-21														TE			ebru								
APPROPRIATION/BUDGET A												,	Wea	pon	Sys	stem	Р	-1 ITE	M N	OME	NC	LAT	URE						
OTHER PROCUREMEN	I, NAV	Y				1											1		EXP		ΓΙΟΝ	IAR'	Y All	RFI	ELDS	<u>S</u>			
		N 4 =	6 4 4 4 4				Prod	duct	ion I	Rate		Λ1	T D.	·		curen						d				1			
Item			ufactu	ocatio	'n	L	SR	EC	ΟN	MA	۸٧		T Pr Oct			T Afte Oct 1		Initia Mfg P			eord Ifg P			Tota	sl.		Mea	it of	
M-31 Arresting Gear	ESCO				'11	0.3		LO	1	1.2		10	0	-	,	1	+	12	<u> </u>	IVI	12	<u> </u>		13			E	Suit	
Wild Tarrooting Codi		7.10	1011, 1			0.0	00			1.2			Ū					12									_		
																													_
			I	1	I							10041	\/E A	D 000			Ŧ				FIOC	241.37	EAD.	2005					
ITEM / MANUFACTURER	F	s	Q	D	В		2003					ISCAL				R 2004					FISC		EAR :		EAR 2	2005			İ
//31 Arresting Gear	Y	V C	T Y	E L	A L	0 C T	N O V	DEC	J A N	F E B	M A R	A P R	M A Y	JUN	J U L	A S		N O O	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	A U G	S E P	B A L
M31 Arresting Gear	2005	N	7	0	7	Ė	٧	0	-		10	10	•	- 1	_	0 .	+	A				10		'		F			7
																	-												
																	-										-		
										FISC	CAL Y	EAR 2									FISC		EAR :						i
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		2005			_				NDAR	YEA	R 2006	. 1		1_	l .	T _		LEND	1	EAR 2	1	Τ.		В
		Ċ	Ϋ́	Ĺ	Ĺ	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	U L	A S U I G I		0 N 0 V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	T T	A U G	S E P	L
M-31 Arresting Gear	2005	N	7	0	7		1	1	1	1	1	1	1																C
																	-										\vdash		ŀ
																	-												-
																	+					1							
				1													+						1				\vdash		\vdash
Remarks:	=		_	-	_	-						_	'			•	=	*					-						
																													_

311 / 244

	BUD	GET I		IFICATION	SHEET			DATE:				
			P-4	0			T- · ·			BRUARY 2	005	
APPROPRIATION/BUI	DGET ACTIVI	TY					P-1 ITEM NO	DMENCLATU	RE	BLI 421400		
Other Procuremer	nt, Navy/B	4-3 - A	iation Suرا	pport Equi _l	pment			A/C R	Rearming E	quipment -	- 43SH	
Program Element for C	ode B Items:						Other Relate	d Program El	ements			
	Prior	ID									To	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)	\$300.6	Α	\$11.7	\$11.6	\$12.0	\$12.2	\$12.8	\$12.8	\$13.1	\$13.4	Continuing	Continuing

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

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

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

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

DD Form 2454, JUN 86 ITEM NO. 93 PAGE NO. 1 CLASSIFICATION:
UNCLASSIFIED

BUDGET IT	EM JU	STIFICAT	TION SHEET	FOR AGG	REGATED I	ГЕМЅ		DATE:				
			P-40a							FEBRU	JARY 2005	
APPROPRIATION/BUDGET ACTIVI	TY						P-1 ITEM NO	MENCLATURE		BLI 421400		
Other Procurement, Navy/BA	-3 - Av	iation Su	pport Equip	oment				A/0	Rearming	Equipment	- 43SH	
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
ADU-514/A/E Missile Adptr	Α	1,382	11									
Qty		713	6									
2. ADU-829/E Adapter	Α	285	252									
Qty		204	257									
3. MHU-151/M Trailer	Α	2,147	285	240								
Qty		266	28	23								
4. A/S32K-1D CILOP	Α	1,240	4,109	2,650	2,799	2,614						
Qty		31	103	67	70	65						
5. AERO-91B (ADU-566/E) Adapter	Α		261	304	165							
Qty			402	466	250							
6. AERO-74A (ADU-876/E) Adapter	Α		1,265	3,462	3,040	2,132						
Qty			178	460	452	320						
7. AERO-51B (MHU-227/M) Trailer	А		2,257	2,046	1,625	1,000						
Qty			96	87	71	43						
8. MHU-191/M Drawbar ECP	Α		353	379								
Qty			1,520	1,600								
9. MHU-191/M Drawbar	Α				505	865						
Qty					290	494						
10. LALS II Loader	Α	27,000				1,800						
Qty		270				15						
11. LALS II Replenisher	Α				814	825						
Qty					50	50						
SUB TOTAL		32,054	8,793	9,081	8,948	9,236					Cont.	Cont.

DD Form 2454, JUN 86 ITEM NO. 93 PAGE NO. 2 CLASSIFICATION:

BUDGET ITE	M JUS	TIFICATIO	N SHEET F P-40a	OR AGGRE	GATED ITE	MS		DATE:	FE	BRUARY 2	005	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NO	DMENCLATURE		BLI 421400		
Other Procurement, Navy/BA-3 -	Aviatio	on Suppoi	rt Equipmei	nt				A/C	Rearming E	quipment -	43SH	
Procurement Items	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
12. TTU-346/E Variable Test Weight	A	950			240							
Qty		97			12							
13. A/M32K-4A Mun TRLR Replacement	A					186						
Qty						2						
14. Next Generation Handler (ship)	A											
Qty												
15. Shipboard Weapons Transporter (SWT) Qty	А											
w.y												
SUB TOTAL		33,004	8,793	9,081	9,188	9,422						
Other		267,557	2,952	2,515	2,796	2,823					Continuing	Continuing
TOTAL		300,561	11,745	11,596	11,984	12,245					Continuing	Continuing

DD Form 2454, JUN 86 ITEM NO. 93 PAGE NO. 3 CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

	WEAPONS SYSTEM CO P-5		Weapon Sy	stem						DATE: FEBRUA	RY 2005				
	PRIATION/BUDGET ACTIVITY Procurement, Navy/BA-3 - Aviation	Supp	ort Equipn	nent		ID Code	P-1 ITEM NO A/C Rear		RE/SUBHEAD		BLI 42140		<u> </u>	2000	
			TOTAL COS	T IN THOUS	ANDS OF D	OLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 2004 Unit Cost	Total Cost	Quantity	FY 2005 Unit Cost	Total Cost	Quantity	FY 2006 Unit Cost	Total Cost	Quantity	FY 2007 Unit Cost	Total Cost
SH004	Shipboard/Shorebased AWSE		Total Cost	Quantity	Offic Cost	Total Cost	Quantity	Offic Cost	Total Cost	Quantity	Offic Cost	Total Cost	Quantity	Offit Cost	Total Cost
SH004	·														
	ADU-514/A/E Missile Adptr	Α	1,382	6	1.83	11									
	2. ADU-829/E Adapter	Α	285	257	0.98	252									
	3. MHU-151/M Trailer	Α	2,147	28	10.18	285	23	10.43	240						
	4. A/S32K-1D CILOP	Α	1,240	103	39.89	4,109	67	39.55	2,650	70	39.99	2,799	65	40.22	2,614
	5. AERO-91B (ADU-566/E) Adapter	Α		402	0.65	261	466	0.65	304	250	0.66	165			
	6. AERO-74A (ADU-876/E) Adapter	Α		178	7.11	1,265	460	7.53	3,462	452	6.73	3,040	320	6.66	2,132
	7. AERO-51B (MHU-227/M) Trailer	А		96	23.51	2,257	87	23.52	2,046	71	22.89	1,625	43	23.26	1,000
	8. MHU-191/M Drawbar ECP	Α		1,520	0.23	353	1,600	0.24	379						
	9. MHU-191/M Drawbar	Α								290	1.74	505	494	1.75	865
	10. LALS II Loader	Α	27,000										15	120.00	1,800
	11. LALS II Replenisher	Α								50	16.28	814	50	16.50	825
	12. TTU-346/E Variable Test Weight	Α	950							12	20.00	240			
	13. A/M32K-4A Mun TRLR Replacement	Α											2	93.00	186
	14. Next Generation Handler(ship)														
	15. Shipboard Weapons Transporter (SWT)														
SH830	Production Engineering		30,208			2,141			1,855			1,868			1,733
SH860	Acceptance Test and Evaluation		5,182			505			430			594			480
	Other		232,167			306			230			334			610
	M 2446, JUN 86		300,561 OPPING LIST			11,745			11,596			11,984			12,245

PAGE NO. 4 ITEM NO. 93

CLASSIFICATION:

BUDGET PROCUREMENT HIS	TORT AND P	LAMMIN		Weapon System		A. DATE	A DV 200	=		
							BLI 421		ARY 200	<u> </u>
B. APPROPRIATION/BUDGET ACTIVITY	/DA 0 A		· · · · · · · · · · · · · · · · · · ·		C. P-1 ITEM NO		DLI 42 I	400	SUBHEAD	
Other Procurement, Navy	/BA-3 - AV	iation S	Support Equipme	ent	A/C Rearr	ming Equipment			43	SH
Cost Element/ FISCAL YEAR	QUANTITY	UNIT	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISION AVAILABL
	-	(000)								
ADU-514A/E Missile Adptr										
FY 2004	6	1.83	NAWC Lakehurst		FP/OPTION	CHEROKEE ADV. SYS. INC. HUNTSVILLE, AL.	12/03	05/04	Yes	
ADU-829/E Adapter										
FY 2004	257	0.98	NAWC Lakehurst		FP/OPTION	CHEROKEE ADV. SYS. INC. HUNTSVILLE, AL.	12/03	05/04	Yes	
/IHU-151/M Trailer										
FY 2004	28	10.18	NAWC Lakehurst		FP/OPTION	GSMI	02/04	09/04	Yes	
FY 2005	23	10.43	NAWC Lakehurst		FP/OPTION	PANAMA CITY, FL	12/04	06/05	Yes	
VS32K-1D CILOP										
FY 2003	31	40.00	NAWC Lakehurst	06/02	C/FFP	SEFAC	06/03	01/04	Yes	
FY 2004	103	39.89	NAWC Lakehurst		FP/OPTION	SOLOMONS, MD	12/03	8/04	Yes	
FY 2005	67	39.55	NAWC Lakehurst		FP/OPTION		01/05	06/05	Yes	
FY 2006	70	39.99	NAWC Lakehurst		FP/OPTION		12/05	05/06	Yes	
FY 2007	65	40.22	NAWC Lakehurst		FP/OPTION		12/06	05/07	Yes	
5. AERO-91B (ADU-566/E) Adapter										
FY 2004	402	0.65	NAWC Lakehurst	01/04	C/FFP	DE TECHNOLOGIES	03/04	09/04	Yes	
FY 2005	466	0.65	NAWC Lakehurst	01/04	FP/OPTION	KING OF PRUSSIA, PA.	12/04	05/05	Yes	
FY 2006	250	0.66	NAWC Lakehurst		FP/OPTION	14.170 01 1 14000114, 1 74.	12/05	05/06	Yes	
s. AERO-74A (ADU-876/E) Adapter										
FY 2004	178	7.11	NAWC Lakehurst		PO	NAWC LAKEHURST	03/04	09/04	Yes	
FY 2005	460	7.53	NAWC Lakehurst	11/04	FP/OPTION	TBD	03/05	09/04	Yes	
FY 2006	452	6.73	NAWC Lakehurst	11/04	FP/OPTION	TBD	12/05	06/06	Yes	
FY 2007	320	6.66	NAWC Lakehurst		FP/OPTION	TBD	12/06	06/07	Yes	
'. AERO-51B (MHU-227/M) Trailer										
FY 2004	96	23.51	Eglin AFB, Fl.		FP/OPTION	WATKINS AIRCRAFT	06/04	03/05	Yes	
FY 2005	87	23.52	Eglin AFB, FI.		FP/OPTION	GLENWOOD, MN	03/05	09/05	Yes	
FY 2006	71	22.89	Eglin AFB, FI.		FP/OPTION	,	12/05	07/06	Yes	
FY 2007	43	23.26	Eglin AFB, FI.		FP/OPTION		12/06	07/07	Yes	
1HU-191/M Drawbar ECP										
FY 2004	1520	0.23	NAWC Lakehurst	02/04	C/FFP	COMPUTABASE INC.	04/04	07/04	Yes	
FY 2005	1600	0.24	NAWC Lakehurst	32,01	FP/OPTION	BERLIN NJ	12/04	06/05	Yes	
25111210										
D. REMARKS										

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

ITEM NO. 93 PAGE NO. 5

BUDGET PROCUREMENT	HISTORY	AND PLA	Anning Exhibit (P	·5A)		Weapon System		A. DATE FEBRU	JARY 200	5
B. APPROPRIATION/BUDGET ACTI	VITY				C. P-1 ITEM NOM	ENCLATURE	BLI 421	400	SUBHEAD	
Other Procurement, N	lavy/BA-	3 - Avia	tion Support Equ	uipment	A/C Rearm	ing Equipment			43	SH
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
MHU-191/M Drawbar										
FY 2006	290	1.74	NAWC Lakehurst	11/05	C/FFP	TBD	04/06	10/06	Yes	
FY 2007	494	1.75	NAWC Lakehurst		C/FFP Option	TBD	01/07	07/07	Yes	
LALS II Replenisher										
FY 2006	50	16.28	NAWC Lakehurst	10/05	C/FFP	TBD	03/06	09/06	Yes	
FY 2007	50	16.50	NAWC Lakehurst		FP/OPTION	TBD	03/07	09/07	Yes	
TTU-346/E Variable Test Weight										
FY 2006	12	20.00	NAWC Lakehurst	11/05	C/FFP	TBD	03/06	09/06	Yes	
LALS II Loader										
FY 2007	15	120.00	NAWC Lakehurst	06/06	C/FFP	TBD	03/07	04/08	Yes	
A/M32K-4A Mun TRLR Replac. FY 2007	2	93.00	NAWC Lakehurst	06/06	C/FFP	TBD	03/07	05/08	Yes	

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

ITEM NO. 93 PAGE NO. 6 UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

	BUD	GET I	TEM JUST	IFICATION	SHEET			DATE:				
			P-4	0						February 2	005	
APPROPRIATION/BUD	GET ACTIVI	ΓΥ					P-1 ITEM NO	MENCLATUR	RE			
OTHER PROCURE	MENT, NA	VY	BA-3				4216 AIRCR	AFT LAUNCH	AND RECO	VERY EQUIP	MENT (ALRE)-4	43SJ
Program Element for Co	ode B Items:						Other Relate	d Program El	ements			
0204261N, 0204112	2N, and 02	04161	N				RDT&E, 06	03512N , 06	04512N			
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
	rouro	Ouc	1 1 200 1	1 1 2000	1 1 2000	1 1 2007	1 1 2000	1 1 2000	1 1 2010	112011	Complete	rotar
QUANTITY												
COST (In Millions)	\$686.8		\$20.1	\$21.1	\$27.0	\$29.6	\$30.9	\$31.2	\$117.0	\$103.6	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 2006 budget request consists of Aircraft Carrier (Launcher, Arresting gear and Visual Landing Aids) and Air Capable Ships (Helicopter Landing System) service change procurements. Also, included is funding for MWS, VISUAL, ARC (Advanced Recovery & Control System), PE, ILS, and FMP/NFMP installations for FY 2005 and prior years procurements.

The FY 2007 budget request consists of Aircraft Carrier (Launcher, Arresting gear and Visual Landing Aids) and Air Capable Ships (Helicopter Landing System) service change procurements. Also, included is funding for MWS, VISUAL, ARC (Advanced Recovery & Control System), PE, ILS, and FMP/NFMP installations for FY 2006 and prior years procurements.

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 94 PAGE NO. 1

	WEAPONS SYSTEM CO P-5		Weapon Sy	stem						DATE: February	2005				
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	JRE/SUBHEA	D			. 551 dai y	_300	
Other F	Procurement, Navy														
OTHER	PROCUREMENT, NAVY / BA 3 AVIAT	ION SU	PPORT EQ	UIPMENT	Г		AIRCRAF	T LAUNCH	AND REC	OVERY E	QUIPMEN	IT (ALRE) -	43SJ		
			TOTAL COST			OLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	Service Change Kits	А	94,623			2,784			2,644			3,067			4,430
	LAUNCHER Catapults - CV(N)					1,231			1,068			1,565			1,004
	VISUAL LANDING AIDS Visual Landing Aids - CV(N) Visual Landing Aids - ACS					267			757			759			920 820
	RECOVERY Arresting Gear - CV(N) Helicopter Landing System (HLS) - ACS					849 437			519 300			743			936 750
SJ260 SJ261 SJ262	MWS - CV(N) MWS - L Class MWS - Shorebased	A A		2 2 3	411 241 75	822 482 225	3 2	389 357	1,168 714	3 2	405 371	1,215 742	2 2		850 772
SJ263 SJ270 SJ271	MWS-ACS VISUAL - CV(N) VISUAL - Shorebased	A A A		2	1,217 550	2,434 550	2	853	1,706	5 2	452 376	2,260 752	1	500	500
SJ280 SJ281 SJ290 SJ300 SJ301	ARC ARC Shorebased Auto Cross Check System AAG-CVN AAG-SHOREBASED	A A A A	1,388				5	567	2,835	5 1	567 795	2,835 795	10	567	5,670
SJ800 SJ830 SJ860	Integrated Logistics Suppport Production Engineering Acceptance, Test & Evaluation		8,586 26,438 1,973			1,424 3,932			998 2,544			1,159 3,926			1,417 4,263 30
SJ900 SJ910	Installation - NFMP Installation - FMP		106,094 52,730			5,749 1,696			3,995 4,542			3,609 6,682			4,591 7,081
N/A	Various 1/		394,977												
			686,809			20,098			21,146			27,042 CLASSIFICA			29,604

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BUDGET PROCUREME	NIHISTORY	AND PL	ANNING EXHIBIT (P	-5A)		Weapon System		A. DATE	- 0005	
					1			February		
 B. APPROPRIATION/BUDGET AN Other Procurement, Na 					C. P-1 ITEM NON	MENCLATURE nch and Recovery Equip	ment (Al	RE)	SUBHEAD 43	SSJ
Other i rocarement, Na	• • •				All Grant Laur	non and Necovery Equip	inchi (Ai	-IVL)	1	00
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 2004										
SJ260 MWS - CV(N)	2	411	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg, VA Quality Performance Inc	6/04	12/04	No	N/A
SJ261 MWS - L Class	2	241	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg, VA Quality Performance Inc	6/04	12/04	No	N/A
SJ262 MWS - Shorebased	3	75	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg, VA L-3 Communications	6/04	12/04	No	N/A
SJ270 VISUAL-CVN	2	1217	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA L-3 Communications	6/04	6/05	No	N/A
SJ271 VISUAL SHORE	1	550	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA	6/04	6/05	No	N/A
FY 2005										
SJ260 MWS - CV(N)	3	389	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc	12/04	06/05	No	N/A
SJ261 MWS - L Class	2	357	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredricksburg, VA L-3 Communications	12/04	06/05	No	N/A
SJ270 VISUAL-CVN	2	853	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA	11/04	11/05	No	N/A
SJ280 ARC	5	567	NAWCAD LKEHRST	Not Applicable	FPI	Notrhrop Grumman Sykesville, MD	12/04	12/06	No	N/A
FY 2006										
SJ260 MWS - CV(N)	3	405	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA Quality Performance Inc	12/05	06/06	No	N/A
SJ261 MWS - L Class	2	371	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA L-3 Communications	12/05	06/06	No	N/A
SJ270 VISUAL-CVN	5	452	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA L-3 Communications	11/05	11/06	No	N/A
SJ271 VISUAL-SHORE	2	376	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA Notrhrop Grumman	11/05	11/06	No	N/A
SJ280 ARC	5	567	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD Notrhrop Grumman	12/05	12/07	No	N/A
SJ281 ARC SHOREBASE	1	795	NAWCAD LKEHRST	Not Applicable	FPI	Skyesville, MD	12/05	10/06	No	N/A
FY2007						Quality Performance Inc				
SJ260 MWS - CV(N)	2	425	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Quality Performance Inc Fredericksburg VA Quality Performance Inc	12/06	06/07	No	N/A
SJ261 MWS - L Class	2	386	NAWCAD LKEHRST	Not Applicable	FFP/IDIQ	Fredericksburg VA L-3 Communications	12/06	06/07	No	N/A
SJ270 VISUAL-CVN	1	500	NAWCAD LKEHRST	Not Applicable	FFP	Alpharetta, GA Notrhrop Grumman	11/06	11/07	No	N/A
SJ280 ARC	10	567	NAWCAD LKEHRST	Not Applicable	FPI	Sykesville, MD	12/06	12/08	No	N/A
DD Form 2446-1, JUL 87				P-1 SHOPPING LIS	_		Classific	ation:		Ь

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I	P3A	INDIVIDUAL	. MODIFICATION

MODELS OF SYSTEM AFFECTED: SYSTEMS VARIOUS TYPE MODIFICATION: SYSTEMS VARIOUS MODIFICATION TITLE: SJ260, SJ261, SJ262
SJ263, SJ271, SJ281, SJ290

DESCRIPTION/JUSTIFICATION:

SJ260 - MWS CV(N); SJ261-MWS L Class; SJ262-MWS Shore; SJ263 MWS ACS, SJ271-VISUAL Shore , SJ281 ARC Shorebased, and SJ290 Auto Cross Check System

The equipment and installation costs represented on this P-3a are for individual modification programs that do not exceed \$5 million in either budget year or \$10 million within the first three years of a new start.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	<u>Pr</u>	ior Years	<u>F</u>	2004	<u>F`</u>	Y 2005	<u>F\</u>	2006	FY	2007	FY	2008	<u>F</u>	2009	<u>F</u>	Y 2010	FY	2011		<u>TC</u>		<u>TOTAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		27.452		0.250																		
<u>PROCUREMENT</u>																						
INSTALLATION KITS		40.105		2.079		1.882		3.504		1.622		3.194		1.300		4.985		2.025				60.696
INSTALLATION KITS - UNIT COST																						
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS		4.801		0.265		0.095		0.085		0.075		0.155		0.345		0.245		0.245		0.149		6.460
PE		13.264		1.344		0.755		0.665		0.415		0.289		0.147		0.149		0.149		0.248		17.425
ATE		0.892																				0.892
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST		54.581		1.826		2.938		4.356		4.735		3.339		3.128		2.614		5.564		2.680		85.761
TOTAL PROCUREMENT		113.643		5.514		5.670		8.610		6.847		6.977		4.920		7.993		7.983		3.077		171.234

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASS	SIFIE)																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ION (Continued	d)											
MODELS OF SYSTEMS AFFE	ECTE	D:	SYS	STEMS VAR	IOUS			_ MO	DIFIC	ATION TI	TLE:			SYSTEMS	VAR	ous					-	
INSTALLATION INFORMATIO METHOD OF IMPLEMENTAT ADMINISTRATIVE LEADTIME	ION:	AIT	/SHIF	PYARD			-	PRODUC	NOITS	I LEADTIN	ΛE·											
CONTRACT DATES:		FY 2004					FY '	2005:		CLADIII			2006:		-			IFY 2007	7.			
DELIVERY DATE:		FY 2004						2005:					2006:				-					
DELIVERY DATE.		1 1 2004	•					2000.					2000.				-	1 1 2007				
									(\$ ir	Millions)												
Cost:	Prior	Years		FY2004	F	Y 2005	F	Y 2006		Y 2007	F	Y 2008	F`	Y 2009	F	Y2010	F`	Y 2011	To Co	omplete		Total
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		2.837		0.186		0.336		0.716		0.880		1.217		0.898		0.641		0.843			0	8.554
PRIOR YEARS		51.744		1.190		1.973		0.487		0.652											0	56.046
FY 2005 EQUIPMENT				0.450		0.230		1.973													0	2.653
FY 2006 EQUIPMENT						0.399		0.530		2.473											0	3.402
FY 2007 EQUIPMENT								0.650		0.280											0	0.930
FY 2008 EQUIPMENT										0.450		1.962									0	2.412
FY 2009 EQUIPMENT												0.160		2.230		1.973					0	4.363
FY 2010 EQUIPMENT																		4.721			0	4.721
FY 2011 EQUIPMENT																				2.080	0	2.080
TO COMPLETE																				0.600	0	0.600
INSTALL COST	0	54.581	0	1.826	0	2.938	0	4.356	0	4.735	0	3.339	0	3.128	0	2.614	0	5.564	0	2.680	0	85.761
INSTALLATION SCHEDUL FY 2004 & Prior In 0 Out 0		FY 2005 2 3 0 0 0 0	4	1 2	2006 3 0 0	4 0 0 0	0	2007 3 4 0 0 0 0	1 0 0	FY 2008 2 3 0 0 0 0		1 2 0 0 0 0	0	4 0 0 0	FY 2 0 0	2010 3 4 0 0 0 0	1 0 0	FY 2011 2 3 0 0 0 0	4 0	0 0	TO	TAL 0
																		01.4001		P-3		

Item 94 PAGE 5 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																						
P3A		INDIVIDUA	AL MO	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:		Mk7 Mod 2,	3,4				TYP	E MODIF	ICAT	ION:	Increa	ase Capa	bility/S	Safety	MOE	OIFICATIO	N TIT	LE:	Aircr SJ28		ery Cc	ontrol System
DESCRIPTION/JUSTIFICATION:																						
The ARC program, previously planned as I																						
using FMP funding. This new Aircraft Rec	overy (Control Sys	tem w	ill accom	plish th	ne objecti	ves of	the FY0	1 CV	OAG Pric	ority #1	2 Arrestir	ng Ge	ar Improv	emen	ts CV OA	G Air	Dept Pri	ority #	3 to resto	re mar	gins of
safety to the MK7 Arresting Gear System.	The ne	ew system v	vill als	o reduce	syster	n life cycl	e cost	by reduc	cing "(O" level r	nainter	nance.										
DEVELOPMENT STATUS/MAJOR DEVELO	OPME	NI MILEST	ONES	:				Milestone	e C No	ov-2004				-								
	Di	rior Years	_	Y 2004	E,	Y 2005	E/	<u>/ 2006</u>	E/	Y 2007	E/	/ 2008	E,	Y 2009	_	Y 2010	E/	Y 2011		<u>TC</u>		TOTAL
	QTY		QTY		QTY		QTY		QTY		QTY	\$	QTY		QTY		QTY		QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)				<u> </u>	T	<u> </u>	T			<u> </u>		<u> </u>	T	<u> </u>		<u> </u>	T					<u> </u>
RDT&E																					1	
PROCUREMENT																					1 1	
INSTALLATION KITS					5	2.835	5	2.835	10	5.670	10	5.670	10	5.670	9	5.670	9	5.670			58	34.020
INSTALLATION KITS - UNIT COST						0.567		0.567		0.567		0.567		0.567		0.630		0.630				0.587
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS						0.270		0.165		0.170		0.175		0.360		0.380		0.440				1.960
PE						0.380		0.174		0.180		0.190		0.400		0.420		0.480				2.224
ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST						0.810	5	1.307	5	1.408	10	2.690	10	2.743	10	2.752	9		9	2.500	58	16.897
TOTAL PROCUREMENT						4.295		4.481		7.428		8.725		9.173		9.222		9.277		2.500		55.101
										ITEM	94	P.	AGE 6					CLASS	IFICA ^T	TION: UI	NCLAS	SIFIED

CLASSIFICATION: UNCLASS	SIFIEL)				INDIVIDII	A 1 BA	DIFICAT	ION (Sandin												
P3A (Continued)						INDIVIDU	AL IVI	JUIFICAT	ION (C	ontinued	1)											
MODELS OF SYSTEMS AFFE	ECTE):		Mk7 Mod 2,	3.4			МО	DIFIC	ATION TI	TLE:			Aircraft R	Recove	ery Contro	l Svste	em				
	-			,	-,			-		_				SJ280		,					•	
INSTALLATION INFORMATIO	N:																					
METHOD OF IMPLEMENTAT	ION:	Shipyard	/AIT																			
ADMINISTRATIVE LEADTIME	≣:							PRODUC	CTION	LEADTIN	1Ε:	10 Mor	nths		_							
CONTRACT DATES:		FY 2004:					FY 2	2005:		Dec-04		FY	2006:		Dec-0	5		FY 2007:	: Г	Dec-06		
DELIVERY DATE:		FY 2004:					FY 2	2005:		Dec-05		FY	2006:		Dec-0	6	_'	FY 2007:	: [Dec-07		
												-					-					
									(\$ in	Millions)												
Cost:	Prior	Years	ı	FY2004	F	Y 2005	F'	Y 2006	F\	/ 2007	F	Y 2008	F'	Y 2009	F	Y2010	F'	Y 2011	To Co	omplete		Total
	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT				0.000		0.710		0.337		0.338		0.750		0.803		0.812		0.747		0.560	0	5.057
PRIOR YEARS				0.000																	0	0.000
FY 2005 EQUIPMENT					AP	0.100	5	0.870													5	0.970
FY 2006 EQUIPMENT							AP	0.100	5	0.870											5	0.970
FY 2007 EQUIPMENT									AP	0.200	10								\sqcup		10	1.940
FY 2008 EQUIPMENT											AP	0.200	10	1.740		. =					10	1.940
FY 2009 EQUIPMENT													AP	0.200	10	1.740		. =			10	1.940
FY 2010 EQUIPMENT															AP	0.200	9	1.740	<u> </u>		9	1.940
FY 2011 EQUIPMENT																	AP	0.200	9	1.740	9	1.940
TO COMPLETE		0.000		0.000	_	0.040	_	4.007	-	4 400	40	0.000	40	0.740	40	0.750		0.007	AP	0.200	0	0.200
INSTALL COST	0	0.000	0	0.000	0	0.810	5	1.307	5	1.408	10	2.690	10	2.743	10	2.752	9	2.687	9	2.500	58	16.897
INSTALLATION SCHEDUL	⊏.																					
FY 2004	i —	FY 2005		EV	2006		EV ′	2007	1	FY 2008		EV	2009		EV '	2010	1	FY 2011		TC	1	
& Prior	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4	1 2		4 1	2	3 4	1	2 3	1	10	TOT	ΓΔΙ
In 0	0	5 0	0	0 5	0	0 0	10	0 0	0	10 0	0	0 10	<u>3</u> 0	0 0	9	$\frac{3}{0} \frac{4}{0}$	0	9 0	0	0		8
Out 0	0	0 0	0	5 0	0	0 5	0	0 0	10	0 0	0	10 0	0	0 10		0 0	9	0 0	0	9	5	
	ت ا		Ū	0 0								10 0		0 10			ـــــا ا					<u> </u>
Note: AP is advanced plann	nina fo	r installatio	n .																			
. 1515. 711 To davaneou plani	9 .0	otanatic																		P-3	A	
								Item	n 94		P/	AGE 7						CLASSIF	-ICAT!	ION: UNC	• •	SIFIED

CLASSIFICATION: UNCLASSIFIED																						
РЗА		INDIVIDUA	AL MC	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:		LSO HUD				=	TYPI	MODIF	ICAT	ION:	Obso	lescence/	Safety	<u>′</u>	MOD	IFICATIO	TIT NC	LE:		AL LSO	WORK	STATION
DESCRIPTION/JUSTIFICATION:																			CVN SJ27	0		
SHIPALT - 9397K.																						
The Virtual Imaging System for Approach a ltem (NDI) procurement. 10 CV(N)	nd Lar	nding (VISU	IAL) L	SO Works	station	n will repl	ace st	and alon	e, agii	ng syster	ms/con	nponents	curre	ntly found	d in the	e LSO wo	orkstat	ion. This	; is a n	nodified I	Non-De	evelopmental
DEVELOPMENT STATUS/MAJOR DEVELO	PMEN	NT MILESTO	ONES	:				Milestone	e C Jur	ne-2004												
	<u>Pr</u> QTY	rior Years	<u>F</u> QTY	<u>Y 2004</u> \$	<u>F</u> QTY	<u>Y 2005</u>	<u>F\</u> QTY	<u>/ 2006</u> \$	<u>F\</u> QTY	<u>/ 2007</u> \$	<u>F\</u> QTY	<u>/ 2008</u> \$	<u>F`</u> QTY	<u>/ 2009</u> \$	<u>F`</u> QTY	<u>/ 2010</u> \$		<u>′ 2011</u> \$	QTY	TC \$	QTY	TOTAL \$
FINANCIAL PLAN (IN MILLIONS)																·						·
RDT&E		25.863		3.218															\vdash		1	
PROCUREMENT																			1		1 1	
INSTALLATION KITS			2	1.100	2	0.903	5	2.260	1	0.500									1		10	4.763
INSTALLATION KITS - UNIT COST				0.550		0.452		0.452		0.500									1 1	1	1 1	0.476
INSTALLATION KITS NONRECURRING																			1 1	1	1 1	
EQUIPMENT																						
EQUIPMENT NONRECURRING																				1		
ENGINEERING CHANGE ORDERS				1.334		0.803																2.137
DATA																				1		
TRAINING EQUIPMENT																				1		
SUPPORT EQUIPMENT																				1		
ILS		0.134		0.621		0.224		0.236		0.247										1		1.462
PE		0.230		0.402		0.294		0.747		0.573										1		2.246
ATE																				1		
INTERIM CONTRACTOR SUPPORT																				1		
INSTALL COST		0.058		0.330	2	0.928	2	1.731	5	1.845	1	0.699				•					10	5.591
TOTAL PROCUREMENT		0.422		3.787		3.152		4.974		3.165		0.699										16.199
										ITEM	94	P	AGE 8					CLASS	FICAT	TION: UN	NCLAS	SIFIED

CLASSIFICATION: UNCLASS	SIFIEI	D																				
P3A (Continued)						INDIVIDU	AL MO	DDIFICAT	ION (Continue	d)											
MODELS OF SYSTEMS AFFE	ECTE	D:	VIS	UAL LSO	WOR	STATION	<u> </u>	MO	DIFIC	ATION TI	TLE:		VISU SJ2		WORK	STATION		CVN			-	
INSTALLATION INFORMATION INFORMATION OF IMPLEMENTAT																						
ADMINISTRATIVE LEADTIME	≣:	2 mc	onths				•	PRODUC	CTION	LEADTIN	ΛE:	10	month	S								
CONTRACT DATES:		FY 2004	:	Jun-04			FY 2	2005:		Nov-04		FY	2006:		Nov-0	5		FY 2007	: N	lov-06		
DELIVERY DATE:		FY 2004		Jun-05			FY 2	2005:	-	Nov-05		FY	2006:		Nov-0	6	-	FY 2007	: <u> </u>	lov-07	-	
												•					-				-	
										Millions)												
Cost:		Years		FY2004		Y 2005		Y 2006		Y 2007		Y 2008		Y 2009		Y2010		Y 2011		omplete		Γotal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT PRIOR YEARS		0.058		0.180		0.246		0.385		0.395		0.249									0	1.513
FY 2005 EQUIPMENT																					0	0.000
FY 2006 EQUIPMENT			AP	0.150	2	0.500									+						2	0.650
FY 2007 EQUIPMENT			ΛI	0.130	AP	0.300	2	0.800	5	1.450	1	0.250			+						8	2.682
FY 2008 EQUIPMENT					7 (1	0.102	AP	0.546		1.400	AP	0.200									0	0.746
FY 2009 EQUIPMENT							7 (1	0.010			7.1	0.200									0	0.000
FY 2010 EQUIPMENT																					0	0.000
FY 2011 EQUIPMENT																					0	0.000
TO COMPLETE																					0	0.000
INSTALL COST	0	0.058	0	0.330	2	0.928	2	1.731	5	1.845	1	0.699	0	0.000	0	0.000	0	0.000	0	0.000	10	5.591
INSTALLATION SCHEDUL	.E:																					
FY 2004 & Prior	1	FY 2005 2 3 0 0	4	1 2	2006 3	4 1	<u>FY 2</u>	3 4	1	FY 2008 2 3	4	1 2	2009 3	4 1 0 0	2	$\frac{2010}{3}$ $\frac{4}{0}$	1 0	FY 2011 2 3 0 0	4 0	TC	TOT	
In 2 Out 0	0	0 0 0 2	0	5 0 1	0	0 1 0	0 3	0 0 2 0	0	0 0	0	0 0	0 0	0 0		0 0	0	0 0	0	0	1	
Note: AP is advanced planr	ning fo	or installation	on.																	_		
												\ <u>\</u>						01.400		P-3		
								Iten	ո 94		P/	AGE 9						CLASSII	FICATI	ON: UNG	LASS	SIFIED

P3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: Advanced Arresting Gear TYPE MODIFICATION: Initial Procurment and Install MODIFICATION TITLE: AAG-CVN

SJ300

DESCRIPTION/JUSTIFICATION:

The Advanced Arresting Gear (AAG) replaces the Mark 7 Shipboard arresting gear System on CVN 68 Class Aircraft Carriers. AAG Systems will be backfited onto the CVN 71-CVN77. An AAG unit is the equipment required to support a single arresting gear wire.

The AAG is being developed in FY03 through FY09 using RDT&E funding. The AAG is fully funded for this effort.

This sheet covers shipboard procurments and installation only.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS A Jul 2003, MS C Oct 2009, FRP Mar 2014

	<u>Pr</u> QTY	rior Years	<u>F`</u> QTY	<u>Y 2004</u> \$	<u>F\</u> QTY	<u>/ 2005</u> \$	<u>F\</u> QTY	<u>/ 2006</u> \$	<u>FY</u> QTY	<u>2007</u>	<u>FY</u> QTY	<u>′ 2008</u> \$	<u>F\</u> QTY	<u>/ 2009</u> \$	E <u>Y</u> QTY	<u>/ 2010</u> \$	<u>F\</u> QTY	<u>′ 2011</u> \$	QTY	TC \$	QTY	TOTAL \$
FINANCIAL PLAN (IN MILLIONS)				,		*				•						· ·						· · ·
RDT&E		14.355		15.963		28.631		32.887		31.270		21.904		21.114								
PROCUREMENT																						
INSTALLATION KITS															1	36.200	1	35.800	6	179.000	8	251.000
INSTALLATION KITS - UNIT COST																36.200		35.800		29.833		31.375
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS																0.900		0.900		2.400		4.200
PE																2.200		1.400		24.000		27.600
ATE						•				•						•						•
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST																4.183		0.860	8	165.200	8	170.243
TOTAL PROCUREMENT						<u> </u>				<u> </u>						43.483		38.960		370.600		453.043

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SSIFIE	D																				
P3A (Continued)						INDIVIDU	IAL M	ODIFICA	TION	(Continue	ed)											
MODELS OF SYSTEMS AFF	ECTE	ED: Adv	anced	Arresting C	Gear			_ MC	DIFIC	CATION TI	TLE:	Advance SJ300	d Arres	ting Gear (CVN						-	
INSTALLATION INFORMATION	ON:											00000										
METHOD OF IMPLEMENTATION	TION:	Navy Sh	ipyard	d																		
ADMINISTRATIVE LEADTIM	1E:						'	PRODU	CTIO	N LEADTI	ME:	18 Mont	hs		_							
CONTRACT DATES:		FY 2004	:				FY:	2005:				FY	2006:				_	FY 2007	7 :			
DELIVERY DATE:		FY 2004	:				FY:	2005:				FY	2006:				_					
									/ው : "	n Millions)												
Cost:	Prior	Years		FY2004	ТЕ	Y 2005	F	Y 2006		Y 2007	F	Y 2008	TF	Y 2009	T	Y2010	F,	Y 2011	To C	omplete		Total
0031.	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT			α.,	Ψ	α.,		α.,		α.,	_ <u> </u>	Q.i,	Ψ	Q.y	Ψ	α.,	0.683	Q.i,	0.360	α.,	6.000	0	7.043
PRIOR YEARS																0.000		0.000		0.000	0	0.000
FY 2005 EQUIPMENT																					0	0.000
FY 2006 EQUIPMENT																					0	0.000
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.000
FY 2009 EQUIPMENT																					0	0.000
FY 2010 EQUIPMENT															AP	3.500	AP	0.500	1	20.700	0	24.700
FY 2011 EQUIPMENT																			1	20.700	1	20.700
TO COMPLETE									_								_		6			117.800
INSTALL COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	4.183	0	0.860	8	165.200	8	170.243
INSTALLATION SCHEDU									_								-					
FY 2004		FY 2005			2006			<u> 2007</u>		FY 2008	-		2009			<u> 2010</u>		FY 2011		TC		
& Prior		$\frac{2}{0} \frac{3}{0}$	4		<u>3</u> 0	4 1	2	3 4		$\frac{2}{0} \frac{3}{0}$	4	0 0	<u>3</u> 0	4 1	_ 2	3 4	1 1	2 3	_			TAL
ln 0	0		0			0 0	0	0 0			0			0 0		0 0		0 0		8		8
Out 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	0 0	0	8	{	8
Note: AP is advanced plan	ning f	or installati	ion.																			
																				P-3		
								Iter	n 94		PΑ	AGE 11						CLASSI	FICAT	TON: UN	CLAS	SIFIED

CLASSIFICATION:	UNCLASSIFIED

P3A INDIVIDUAL MODIFICATION

MODELS OF SYSTEM AFFECTED: Advanced Arresting Gear TYPE MODIFICATION: Initial Procurement and Install MODIFICATION TITLE: AAG-Shorebase

DESCRIPTION/JUSTIFICATION:

The Advanced Arresting Gear (AAG) replaces the Mark 7 Shipboard arresting gear System on CVN 68 Class Aircraft Carriers. AAG Units will be procured and installed at the Jet Car Test Site (JCTS) and the Runway Arrested Landing Site (RALS) at NAVAIR Lakehurst and the Runway and NAVAIR Pax River. An AAG unit is the equipment required to support a single arresting gear wire. FY10 installation costs support re-engineering of the JCTS and RALS sites for installs in FY11. The AAG is being developed in FY03 through FY09 using RDT&E funding. The AAG is fully funded for this effort.

This sheet covers the shorebased support and training assets only.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS A Jul 2003, MS C Oct 2010, FRP Mar 2014

	<u>Pr</u>	ior Years	<u>F`</u>	Y 2004	<u>F`</u>	Y 2005	<u>F</u>	2006	FY	2007	FY	2008	<u>FY</u>	2009	<u>F`</u>	Y 2010	<u>FY</u>	<u>/ 2011</u>		<u>TC</u>		<u>TOTAL</u>
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		14.355		15.963		28.631		32.887		31.270		21.904		21.114								
<u>PROCUREMENT</u>																						
INSTALLATION KITS															2	30.800	1	15.000	1	10.000	4	55.800
INSTALLATION KITS - UNIT COST																15.400		15.000		10.000		13.950
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS																0.100		0.100				0.200
PE																1.500		0.500				2.000
ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST																8.038	2	15.165	2	10.000	4	33.203
TOTAL PROCUREMENT																40.438		30.765	Ť	20.000		91.203

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CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	d)											
MODELS OF SYSTEMS AFF	ECTE	D: Adv	anced	Arresting G	ear			_ МО	DIFIC	ATION TI	TLE:	Advanced	d Arrest	ting Gear-S	Shoreba	ased					-	
INSTALLATION INFORMATION																						
METHOD OF IMPLEMENTAT							_															
ADMINISTRATIVE LEADTIMI	E:	<u>1 Mo</u>	<u>onth</u>				_		CTION	N LEADTIN	ME:				_							
CONTRACT DATES:		FY 2004	:				FY 2	2005:				FY	2006:				_	FY	2007:			
DELIVERY DATE:		FY 2004	:				FY 2	2005:				FY	2006:				_	FY	2007:			
									(\$ in	Millions)												
Qty \$ Qty															Total							
0001.																						\$
INSTALLATION SUPPORT	٠	*	α.,	Ψ	ربي	Ψ	٠	Ψ	ربي	Ψ	Q.y	Ψ	۵.,	Ψ	٠٠٠		Q.y		Q.i.y	Ψ	,	2.403
PRIOR YEARS																		11000			0	0.000
FY 2005 EQUIPMENT																					0	0.000
FY 2006 EQUIPMENT	1																				0	0.000
FY 2007 EQUIPMENT																					0	0.000
FY 2008 EQUIPMENT																					0	0.000
FY 2009 EQUIPMENT																					0	0.000
FY 2010 EQUIPMENT															AP	7.000	2	13.800			2	20.800
FY 2011 EQUIPMENT																			1	8.000	1	8.000
TO COMPLETE																			1	2.000	1	2.000
INSTALL COST	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	8.038	2	15.165	2	10.000	4	33.203
INSTALLATION SCHEDUL FY 2004 & Prior		FY 2005 2 3	4	1 2	2006 3	4 1	<u>FY 2</u>	2 <u>007</u> 3 4	1	FY 2008 2 3		1 <u>FY</u>	<u>2009</u> 3	4 1	2	2 <u>010</u> 3 4] 1	FY 2011 2 3	-	TC	TO ⁻	ΓAL
In 0 Out 0	0	0 0 0 0	0	0 0	0	0 0 0	0	0 0	0	2 3 0 0 0 0	0	0 0	3 0 0	0 0 0		3 4 0 0 0 0	0	2 0 0 2	0 0	2 2	2	
Note: AP is advanced planr	ning fo	r installati	ion.																	P-3	A	
								Iten	n 94		PA	GE 13						CLASSI	FICAT	ION: UN		SIFIED

CLASSIFICATION: UNCLASSIFIED																						
P3A		INDIVIDUA	AL MC	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:		VARIOUS					TYP	E MODIF	ICAT	ION:	VARIO	ous		_	MOD	IFICATIO	N TIT	ΓLE:		NCHER	VARIO	US
DESCRIPTION/JUSTIFICATION:																			(SJ0	40)		
The equipment and installation costs repre	sented	on this P-3	a are	for individ	lual m	odification	n prog	rams that	t do n	ot excee	d \$5 m	illion in ei	ither b	udget ye	ar or S	10 millio	n with	in the fire	t thre	e years	of a nev	v start.
DEVELOPMENT STATUS/MAJOR DEVELO	PMEN	NT MILESTO	ONES	:																		
	ELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Prior Years FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 TC TOTAL QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$ QTY \$																					
														OTV		OTV	TOTAL					
FINANCIAL PLAN (IN MILLIONS)	QII	<u> </u>	QII	<u> </u>	QII	φ	QII	J I	QII	<u> Ф</u>	UIT	<u> Ф</u>	Uli	<u>Ψ</u>	QII	Ψ	UII	<u> </u>	QII	<u>ф</u>	QII	Ą
															<u> </u>		+		-		+	
RDT&E			<u> </u>												<u> </u>						\perp	
<u>PROCUREMENT</u>																						
INSTALLATION KITS		35.790		1.231		1.068		1.565		1.004		1.843		1.132		0.300		0.300				44.233
INSTALLATION KITS - UNIT COST																						
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS		1.271		0.238		0.055		0.185		0.270		0.320		0.439		0.464		0.400				3.642
PE		3.415		0.710		0.107		0.490		1.160		0.290		0.395		0.450		0.325				7.342
ATE		0.762								0.030												0.792
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST		63.261		2.789		1.315		0.731		0.834		2.710	İ	0.917		2.919		0.753				76.229
TOTAL PROCUREMENT		104.499		4.968		2.545		2.971		3.298		5.163		2.883		4.133		1.778				132.238
		•						•		ITEM	94	PA	GE 14				•	CLASS	IFICA	TION: L	NCLAS	SIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	ION (Continue	d)											
MODELS OF SYSTEMS AFF	ECTE	D:	VAF	RIOUS				МО	DIFIC	ATION TI	TLE:		LAL	INCHER-V	ARIO	US					_	
INSTALLATION INFORMATION METHOD OF IMPLEMENTATION ADMINISTRATIVE LEADING	TION:						_	DDODU	OTION.		45.											
ADMINISTRATIVE LEADTIM CONTRACT DATES:	E :	FY 2004					EV	2005:		I LEADTIN			2006:		-			EV 2007				
DELIVERY DATE:		FY 2004											2006. 2006:				-	FY 2007				
DELIVERY DATE:		FY 2004					FY.	2005:				FΥ	2006:				_	FY 2007	•			
									(\$ ir	Millions)												
Cost:	Prior	Years		FY2004	F	Y 2005	F	Y 2006	F	Y 2007	F	Y 2008	F	Y 2009	F	Y2010	F	Y 2011	To C	omplete		Total
	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		1.575		0.055		0.025		0.031		0.035		0.508		0.079		0.278		0.053			0	2.639
PRIOR YEARS		61.686		2.734		1.290		0.200				1.390				1.790		0.200			0	69.290
FY 2005 EQUIPMENT								0.500													0	0.500
FY 2006 EQUIPMENT										0.299		0.312									0	0.611
FY 2007 EQUIPMENT										0.500		0.500		0.000							0	1.000
FY 2008 EQUIPMENT FY 2009 EQUIPMENT					-									0.338		0.351			-		0	0.338 0.851
FY 2010 EQUIPMENT														0.300		0.500					0	0.500
FY 2011 EQUIPMENT																0.300		0.500			0	0.500
TO COMPLETE	1																	0.300			0	0.000
INSTALL COST	0	63.261	0	2.789	0	1.315	0	0.731	0	0.834	0	2.710	0	0.917	0	2.919	0	0.753			0	76.229
																			1			
INSTALLATION SCHEDUL		E)/ 0005		1					1	5) / 0000						2012	. —	E) (00 ()			1	
FY 2004 & Prior		FY 2005 2 3	4		2006	4 1	<u>FY</u> 2	2007 3 4	,	FY 2008 2 3	4	1 <u>FY</u>	2009 3		<u>FY</u>	2010 3 4	\prod_{a}	FY 2011 2 3	-	TC	H TO	ГΛΙ
In 0	0	$-\frac{2}{0} \frac{3}{0}$	0	$\frac{1}{0} \frac{2}{0}$	3	0 0	0	0 0	0	$\frac{2}{0} \frac{3}{0}$	0	$\frac{1}{0} \frac{2}{0}$		4 1	0	$\frac{3}{0} \frac{4}{0}$	0	$\frac{2}{0} \frac{3}{0}$	<u>4</u> 0	0	10	
Out 0		0 0	0		0	0 0	0	0 0		0 0	0	0 0	0	0 0	0	0 0	11 -	0 0	0	0		
		0 0		0 0		0 0		0 0		0 0	U	0 0				0 0		0 0			٠	
																				P-3	A	

Item 94 PAGE 15 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																						
РЗА		INDIVIDUA	AL MC	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:		VARIOUS				_	TYPI	E MODIF	ICATI	ON:	VARIO	SUC		_	MOD	IFICATIO	N TIT	LE:		VLA-VA	RIOUS	3
																				(SJ040)		
DESCRIPTION/JUSTIFICATION:																						
The equipment and installation costs repres	sented	on this P-3	a are	for individ	ual m	odificatio	n prog	rams tha	t do no	ot excee	d \$5 m	illion in e	ither b	oudget ye	ar or \$	\$10 millior	n withi	n the firs	t three	e years o	f a nev	v start.
DEVELOPMENT STATUS/MAJOR DEVELO	PMEN	NT MILEST	ONES	:										_								
	<u>Pı</u>	rior Years	<u>F</u>	Y 2004	<u>F</u>	Y 2005	<u>F\</u>	<u>/ 2006</u>	<u>FY</u>	<u> 2007</u>	<u>F</u>	<u>/ 2008</u>	<u>F`</u>	Y 2009	<u>F</u>	Y 2010	<u>F)</u>	<u>′ 2011</u>		<u>TC</u>		TOTAL
	QTY	′ \$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																						
<u>PROCUREMENT</u>																						
INSTALLATION KITS		4.446		0.267		0.757		0.759		1.740		1.705		2.329		2.212		1.943				16.158
INSTALLATION KITS - UNIT COST																						
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
ILS		1.002		0.078		0.143		0.388		0.440		0.355		0.420		0.185		0.380				3.391
PE		3.675		0.064		0.297		0.948		0.828		1.205		1.682		0.342		0.725				9.766
ATE																						
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST		8.437		0.750		0.642		0.730		1.662		1.564		3.008		2.505		8.078				27.376
TOTAL PROCLIREMENT		17 560		1 159		1 839		2 825		4 670		4 829		7 439		5 244		11 126				56 691

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	<u> </u>																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	ed)											
MODELS OF SYSTEMS AFF	ECTE	D: VLA	Vario	ous				_ MO	DIFIC	ATION TI	TLE:		VLA	Various							-	
INSTALLATION INFORMATION INFORMATION OF IMPLEMENTATION OF IMPLEMENTATION OF IMPLEMENTATION OF THE PROPERTY OF																						
ADMINISTRATIVE LEADTIM							-	PRODUC	OITC	N LEADTI	ME:											
CONTRACT DATES:		FY 2004	:				FY:	2005:			_	FY	2006:		='			FY 2007	':		_	
DELIVERY DATE:		FY 2004	:				FY:	2005:				FY	2006:				-					
				-													-					
Cost: Prior Years FY2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY2010 FY 2011 To Complete To C															Total							
INICTALL ATION CUIDDODT	,	•	Qty		Qty		Qty		Qty		Qty		Qty		Qty		Qty		Qty	\$		\$
PRIOR YEARS		7.676		0.080		0.042		0.130		0.185		0.369		0.982		0.615		0.627	+		0	3.667
FY 2005 EQUIPMENT		0.124		0.670		0.600				0.170									+		0	8.516 0.724
FY 2006 EQUIPMENT		0.124				0.000		0.600		0.607									+	 	0	1.207
FY 2007 EQUIPMENT								0.000		0.700		0.320		0.966					+		0	1.986
FY 2008 EQUIPMENT										0.700		0.875		0.160					+		0	1.035
FY 2009 EQUIPMENT														0.900		1.240			+		0	2.140
FY 2010 EQUIPMENT																0.650		1.045	\top		0	1.695
FY 2011 EQUIPMENT																		1.923			0	1.923
TO COMPLETE																		4.483			0	4.483
INSTALL COST	0	8.437	0	0.750	0	0.642	0	0.730	0	1.662	0	1.564	0	3.008	0	2.505	0	8.078	0	0.000	0	27.376
INSTALLATION SCHEDUI FY 2004 & Prior In 0 Out 0		FY 2005 2 3 0 0 0 0		1 2 0	2006 3 0 0		FY 2 0 0	2007 3 4 0 0 0 0	1 0 0	FY 2008 2 3 0 0 0 0		1 <u>FY</u> 2 0 0 0	2009 3 0 0	4 1 0 0 0 0		2010 3 4 0 0 0 0	1 0 0	FY 2011 2 3 0 0 0 0	4 0	0 0	TO)
								lton	2 04		D^	GE 17						CLASSI	EICAT	P-3		CIEIED
								пеп	า 94		PA	UG⊑ 1/						CLASSI	LICH I	ION. UN '	CLAS	シェトロト

CLASSIFICATION: UNCLASSIFIED																						
РЗА		INDIVIDUA	AL MC	DIFICAT	ION																	
MODELS OF SYSTEM AFFECTED:	REC	OVERY VAR	IOUS			_	TYP	E MODIF	ICAT	ION:				_	MOD	OIFICATIO	N TIT	LE:	REC	OVERY	<u>VARIO</u>	US
DESCRIPTION/JUSTIFICATION:																						
The equipment and installation cost representation	ented (on this P3A	are fo	r individu	al mo	dification	progra	ms that	do no	t exceed	\$5 mill	ion in eti	her bu	dget yea	r or \$1	0 million	within	the first	three	years of	a new	start.
L DEVELOPMENT STATUS/MAJOR DEVELO	DME	NT MILECT	ONIEC																			
DEVELOPMENT STATUS/MAJOR DEVELO	JPIVIEI	NI WIILESI	OINES	٠.										_								
	Р	rior Years	F	Y 2004	F	Y 2005	F۱	/ 2006	F۱	Y 2007	F۱	/ 2008	F,	Y 2009	F	Y 2010	F۱	Y 2011		TC		TOTAL
	QTY		QTY		QTY		QTY		QTY		QTY	\$	QTY		QTY		QTY		QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)		, , , , , , , , , , , , , , , , , , ,		1				1		1		<u> </u>		1						1	T	,
RDT&E																					\top	
PROCUREMENT																						
INSTALLATION KITS		6.668		1.286		0.819		0.743		1.686		2.232		2.334		2.466		0.900		2.065		21.199
INSTALLATION KITS - UNIT COST																						
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																			<u> </u>			
SUPPORT EQUIPMENT		4.007		0.000		0.044		0.400		0.045		0.445		0.007		0.450		0.055	-	0.405		0.007
ILS		1.237		0.222		0.211		0.100		0.215		0.145		0.667		0.150		0.255	-	0.105		3.307
PE ATE		4.903 0.240		1.412		0.711		0.902		1.107		0.615		1.172		1.340		0.770	1	0.200	 -	13.132
INTERIM CONTRACTOR SUPPORT		0.240	-										_						-		+	0.240
INSTALL COST	-	9.483	-	1.750	1	1.904	+	1.456	-	1.188		1.557	-	2.634	1	2.569	1	1.782	1	2.885	+-	27.208
TOTAL PROCUREMENT	+	22 531	1	4 670	+	3 645	+	3 201	1	4 196		4 549	+	6.807	1	6 525	+	3 707	1	5 255	+-	65.086

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D INDIVIDUAL MODIFICATION (Continued)																				
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION ((Continue	ed)											
MODELS OF SYSTEMS AFF	ECTE	D:		RECOVE	ERY V	/ARIOUS		_ MO	DIFIC	ATION TI	TLE:			RECOVE	RY V	ARIOUS					_	
INSTALLATION INFORMATION METHOD OF IMPLEMENTAT ADMINISTRATIVE LEADTIM	TION:						_	PR∩N I(^TION	N LEADTII	\ 1 □ ·											
CONTRACT DATES:	L.	FY 2004					EV	2005:	51101	N LLADIII	VIL.	EV	2006:		-			EV	2007.			
																	-					
DELIVERY DATE:		FY 2004	:				FY.	2005:				FY	2006:				-	FY	2007:			
									(\$ ir	Millions)												
Cost:	Prior	Years		FY2004	F	Y 2005	F	Y 2006	F	Y 2007	F'	Y 2008	F'	Y 2009	F	Y2010	F\	Y 2011	To C	omplete		Total
	Qty	\$	Qty	FY2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY2010 FY 2011 To Complete Qty \$ Qty														Qty	\$			
INSTALLATION SUPPORT		9.483		0.213		0.046		0.066		0.079		0.149		0.253		0.261		0.125		0.105	0	10.780
PRIOR YEARS				1.537		1.308		0.446													0	3.291
FY 2005 EQUIPMENT						0.550		0.944		0.559											0	2.053
FY 2006 EQUIPMENT										0.550		0.858									0	1.408
FY 2007 EQUIPMENT												0.550									0	0.550
FY 2008 EQUIPMENT														1.831		1.093					0	2.924
FY 2009 EQUIPMENT														0.550		0.665					0	1.215
FY 2010 EQUIPMENT																0.550		1.657			0	2.207
FY 2011 EQUIPMENT																				0.820	0	0.820
TO COMPLETE																				1.960	0	1.960
INSTALL COST	0	9.483	0	1.750	0	1.904	0	1.456	0	1.188	0	1.557	0	2.634	0	2.569	0	1.782	0	2.885	0	27.208
INSTALLATION SCHEDUL FY 2004 & Prior In 0 Out 0		FY 2005 2 3 0 0 0 0	4 0 0	1 2 0 0 0 0	2006 3 0 0	4 1 0 0 0 0	FY: 2 0 0	2007 3 4 0 0 0 0	1 0 0	FY 2008 2 3 0 0 0 0	4 0 0	1 <u>FY</u> 2 0 0 0		4 1 0 0 0 0	2	2010 3 4 0 0 0 0	1 1 -	FY 2011 2 3 0 0 0 0	4	0 0	((TAL D
									0.1			05 40						01.4001	<u> </u>	P-3		OIFIED
								Iten	ո 94		PA	GE 19						CLASSI	FICAT	ION: UN	CLAS	SIFIED

UNCLASSIFIED

CLASSIFICATION

BUDGET ITEM JUSTIFIC	ATION SHEE	T					DATE		Februa	ry 2005
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EC					P-1 ITEM NOME BLI 4226 METEC	NCLATURE DROLOGICAL EQ	UIPMENT		SUBHEAD 53SP	
	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY2011	то сомр	TOTAL
QUANTITY										
COST (in millions)	\$25.2	\$20.0	\$25.1	\$22.0	\$26.9	\$30.5	\$31.1	\$31.8	Cont	Cont

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

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

<u>Tactical Environmental Support System (TESS) Upgrade</u> - Procures workstations, servers, input/output control devices, and software to support the evolutionary acquisition of TESS capabilities. TESS Upgrades include Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and afloat and ashore sites.

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

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

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

UNCLASSIFIED CLASSIFICATION

	COST ANALYSIS												February 2005		
APPROPR	IATION ACTIVITY				P-1 ITEM I	NOMENCLATURE				SUBHEAD					
OP,N - BA3	AVIATION SUPPORT EQUIPMENT				BLI 4226 I	METEOROLOGICA	AL EQUIPMENT			53SP					
			- DV		EV 0	no.4		·		1	EV 0000			EV 0007	
COST		ID	PY TOTAL		FY 20 UNIT	TOTAL	F	Y 2005 UNIT	TOTAL		FY 2006 UNIT	TOTAL		FY 2007 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)	А		VAR		1,684	VAR		1,779	VAR		1,813	VAR		1,836
SP190	TESS Upgrades	А		VAR		14,319	VAR		11,402	VAR		14,039	VAR		12,108
	Met Equipment (METMF(R)) Met Equipment (METMF(R)) Upgrades	A A		VAR		2,651	VAR		1,930	VAR		2,551	VAR		2,581
SP550	Aviation Safety System Upgrades	А		VAR		3,304	VAR		1,750	VAR		3,103	VAR		2,271
SP555	Production Support Satellite Receiver Upgrades (Space)	А		VAR		103 103			106 106			108 108			108 108
SP777	Installation					3,169			3,044			3,515			3,114
	Non-FMP FMP			VAR VAR		932 2,237	VAR VAR		875 2,169			989 2,526			893 2,221
	FMP DSA					1,763 474			1,734 435			2,198 328			1,935 286
	TOTAL CONTROL					25,230			20,011			25,129			22,018

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

The number of installations are identified for each system on the corresponding P-3A exhibits.

SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP)

MODIFICATION TITLE:

SP051

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)

FINANCIAL PLAN: (\$ in millions)																						
	Prior Yrs		Y 04		<u>/ 05</u>		FY 06	0.	FY 07		FY 08		FY 09	۱ ۵	FY 10 \$	1 0	FY 11	<u>T(</u>	<u> </u>		otal 💮	
RDT&E	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring																						
Equipment Equipment Nonrecurring Engineering Change Orders Data	VAR	VAR	0.864	VAR	0.885	VAR	0.903	VAR	0.916	VAR	0.949	VAR	0.980	VAR	1.001	VAR	1.022	CONT			CONT	
Training Equipment Production Support DSA Interm Contractor Support			0.052 0.064		0.053 0.000		0.054 0.000		0.054 0.000		0.055 0.000		0.055 0.000		0.056 0.000		0.056 0.000					
Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP	70 70	14	0.367	12	0.305	12	0.310	12	0.311	12	0.321	12	0.327	12	0.333	12	0.340	CONT	CONT	70.0 0.0	0.0 0.0	
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP		14.0	0.367																	0.0 0.0 0.0 0.0 14.0	0.0 0.0 0.0 0.0	
FY 04 EQUIP FY 05 EQUIP FY 07 EQUIP FY 08 EQUIP		14.0	0.367	12.0	0.305	12.0	0.310	12.0	0.311	12.0	0.321									12.0 12.0 12.0 24.0 12.0	0.4 0.3 0.3 0.6	
FY 09 EQUIP FY 10 EQUIP FY 11 EQUIP FY TC EQUIP										12.0	0.321	12.0	0.327	12.0	0.333	12.0	0.340	CONT		0.0	0.0	
TOTAL INSTALLATION COST	0.0		0.431		0.305		0.310		0.311		0.321		0.327		0.333		0.340	CONT	CONT	0.0	CONT	
TOTAL PROCUREMENT COST	0.0		1.347		1.243		1.267		1.281		1.325		1.362		1.390		1.418		CONT		CONT	
METHOD OF IMPLEMENTATION:									ADMINIS'	TRATIVE	LEADT	IME:	1 mont	h				PRODUCTI	ON LEAD	TIME:		10 months
	CONTRACT	DATES	:				FY 2004	:	Nov-03			FY 2005	5:	Nov-04	ŀ	FY 2006:		Nov-0	5	FY 2007	:	Nov-06
	DELIVERY D	ATES:					FY 2004		Aug-04			FY 2005	5:	Aug-05	5	FY 2006:		Aug-0	6	FY 2007	:	Aug-07
INSTALLATION SCHEDULE:	PY		1	2 2	<u>/ 05</u> 3	4		1	<u>FY 0</u> 2	<u>16</u> 3	4		1	2	FY 07 3	4	_	1	<u>FY 0</u> 2	<u>8</u> 3	4	
INPUT	84		3	3	3	3		3	3	3	3		3	3	3	3		3	3	3	3	
OUTPUT	84		3	3	3	3		3	3	3	3		3	3	3	3		3	3	3	3	
				FY 09					<u>Y 10</u>				<u>FY 11</u>									
INSTALLATION SCHEDULE:		1	2	3	4	-	1	2	3	4	_	1	2	3	4	-			TC	-		<u>TOTAL</u>
INPUT		3	3	3	3		3	3	3	3		3	3	3	3				CONT			CONT

Notes/Comments:

Exhibit P-3a, Individual Modification Program

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Unclassified Classification

CONT

CONT

February 2005

3 3 3

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OUTPUT

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

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

COST CODE

SP051

MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION:

Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS)

satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will enhance weather service capabilities

to receive and reprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Y	rs	<u>F)</u>	<u> </u>	FY	05	E)	<u> 7 06</u>	FY 07		FY 08			FY 09		FY 10		FY 11	<u>T</u>	C	To	tal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	VAR		VAR	0.820	VAR	0.894	VAR	0.910	VAR	0.920	VAR	0.928	VAR	0.946	VAR	0.964	VAR	0.982	CONT			CONT
Equipment Nonrecurring	*/ (1)		.,	0.020	V/110	0.004	*/ (1)	0.010	77.11	0.020	V/ ((\	0.020	*/***	0.040	V/ ((\	0.004	V/111	0.002	00111			00111
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support				0.051		0.053		0.054		0.054		0.055		0.055		0.056		0.056				
DSA																						
Interm Contractor Support Installation of Hardware	54		15.0	0.427	16.0	0.462	16.0	0.466	16.0	0.470	16.0	0.478	16.0	0.488	16.0	0.497	16.0	0.507	CONT	CONT		CONT
PRIOR YR EQUIP	-		15.0	0.427	16.0	0.462	16.0	0.400	16.0	0.470	16.0	0.476	16.0	0.400	16.0	0.497	16.0	0.507	CONT	CONT	540	
FY 00 EQUIP	54																				54.0 0.0	0.0
FY 00 EQUIP																					0.0	0.0
FY 01 EQUIP FY 02 EQUIP																					0.0	0.0
FY 03 EQUIP			5.0	0.139																	5.0	0.0
FY 04 EQUIP			11.0	0.139	5.0	0.144															16.0	0.1
FY 05 EQUIP			11.0	0.275	11.0	0.318	5.0	0.146													16.0	0.4
FY 06 EQUIP					11.0	0.510	11.0	0.320	5.0	0.147											16.0	0.5
FY 07 EQUIP							11.0	0.020	11.0	0.323	5.0	0.149									16.0	0.5
FY 08 EQUIP									11.0	0.525	11.0	-	5.0	0.153							16.0	0.5
FY 09 EQUIP											11.0	0.020	11.0	0.335	5.0	0.155					16.0	0.5
FY 10 EQUIP														0.000	11.0	0.342	5.0	0.158			.0.0	0.0
FY 11 EQUIP																0.0 .2	11.0	0.349				
FY TC EQUIP																			CONT		0.0	0.0
TOTAL INSTALLATION COST		0.0		0.427		0.462		0.466		0.470		0.478		0.488		0.497		0.507		CONT	CONT	CONT
TOTAL PROCUREMENT COST		0.0		1.298		1.409		1.430		1.444		1.461		1.489		1.517		1.545		CONT	CONT	CONT
METHOD OF IMPLEMENTATION:										ADMINIST	FRATIVE	LEADT	IME:	1 month					PRODUC	CTION LE	ADTIME	: S

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

CONTRACT DATES: FY 2004: Nov-03 FY 2005: FY 2006: Nov-05 FY 2007: Nov-04 Nov-06 **DELIVERY DATES:** FY 2004: Aug-04 SMQ-11 FY 2005: Aug-05 SMQ-11 FY 2006: Aug-06 SMQ-11 FY 2007: Aug-07 SMQ-11 Feb-04 FMQ-17 Feb-05 FMQ-17 Feb-06 FMQ-17 Feb-07 FMQ-17 FY 07 INSTALLATION SCHEDULE: **INPUT** 69 4 OUTPUT 69 4 TC **TOTAL** INSTALLATION SCHEDULE: INPUT CONT CONT OUTPUT CONT CONT

Exhibit P-3a, Individual Modification Program Notes/Comments:

P-1 Shopping List-Item No 95 - 4 of 6

Unclassified Classification

February 2005

Install quantities have increased due to an increase in requirement for OCONUS Refresh.

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP) February 2005

COST CODE SP190

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 Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland

and Rota Spain, and afloat and ashore sites.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		Y 04		<u>/ 05</u>		Y 06		Y 07		Y 08		FY09		Y 10		<u>Y11</u>	<u>TC</u>		<u>ital</u>	ì
RDT&E PROCUREMENT: Kit Quantity	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$		Qty	\$	
Installation Kits Installation Kits Nonrecurring Equipment	36	7	10.933	6	8.702	7	10.554	6	9.196	7	11.459	7	13.440	7	13.743	7	14.051	CONT		CONT	
Equipment Nonrecurring Engineering Change Orders Data Training Equipment																					
Production Support DSA Interm Contractor Support			0.000 0.410		0.000 0.435		0.000 0.328		0.000 0.286		0.000 0.331		0.000 0.290		0.000 0.296		0.000 0.302				
Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP	35 35	7	1.396	6	1.429	7	1.888	6	1.624	7	1.933	7	1.954	7	1.991	7	2.028	CONT	0.0	0.0 0.0	
FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP		1.0 6.0	0.200 1.196	1.0	0.241														0.0 0.0 1.0 7.0	0.0 0.0 0.2 1.4	
FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY08 EQUIP				5.0	1.188	1.0 6.0	0.269 1.619	1.0 5.0	0.269 1.355	1.0 6.0	0.276 1.657	1.0	0.279						6.0 7.0 6.0 7.0	1.5 1.9 1.6 1.9	
FY09 EQUIP FY10 EQUIP FY11 EQUIP FY TC EQUIP												6.0	1.675	1.0 6.0	0.284 1.707	1.0 6.0	0.290 1.738		0.0	0.0	
TOTAL INSTALLATION COST			1.806		1.864		2.216		1.910		2.264		2.244		2.287		2.330			CONT	
TOTAL PROCUREMENT COST	0.0		12.739		10.566		12.770		11.106		13.723		15.684		16.030		16.381			CONT	
METHOD OF IMPLEMENTATION:									ADMINIS'	TRATIVI	E LEADTIM	E:	1 month			PROD	UCTION	LEADTIN	ΛE:		2 months
	CONTRACT		i:				FY 2004		Nov-03		FY 2005:		Nov-04		FY 2006:		Nov-05		FY 2007	:	Nov-06
	DELIVERY D	ATES:					FY 2004	: Ja	n-04 - Sep	-04	FY 2005:	J	lan-05 - Sep-	05	FY 2006:	Jar	n-06 - Sep	-06	FY 2007	: .	Jan-07 - Sep-07
INSTALLATION SCHEDULE:	PY		1	<u>FY</u> 2	<u>05</u> 3	4		1	<u>FY</u> 2	<u>′ 06</u> 3	4	-	1	<u>FY</u> 2	<u>07</u> 3	4	. .	1	2 2	<u>Y 08</u> 3	4
INPUT	42		1	0	2	3		1	0	3	3		1	0	2	3		1	0	3	3
OUTPUT	38		3	3	1	0		2	3	1	0		3	3	1	0		2	3	1	0
INSTALLATION SCHEDULE:		1	<u>F\</u> 2	<u>/ 09</u> 3	4	_	1	2 <u>F</u>	<u>Y 10</u> 3	4	_	1	<u>FY</u> 2	<u>11</u> 3	4	_	TC				<u>TOTAL</u>
INPUT		1	0	3	3		1	0	3	3		1	0	3	3		CONT				CONT
OUTPUT		3	3	1	0		3	3	1	0		3	3	1	0		CONT				CONT

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

Quantified procurements and installations typically include hardware and associated software and an installation beyond the capability of local personnel. Increase in unit cost in FYs 09 - 11 are due to more complex ECPs.

Exhibit P-3a, Individual Modification Program

Unclassified

Classification

February 2005 MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE)

COST CODE SP190

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 Fleet Numerical Meteorology and Oceanography Center (FNMOC) and Naval Oceanographic Office (NAVO), the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland

and Rota Spain, and afloat and ashore sites.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

FINANCIAL PLAN: (\$ in millions)																						
	Prior Yrs	<u>E</u>	Y 04		<u>Y 05</u>		Y 06		Y 07		<u>/ 08</u>		Y09		<u>Y 10</u>		<u>Y11</u>	<u>I</u>	<u>.c</u>	_ <u>T</u>	otal 👚	
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring	Qty \$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment	32	5	3.386	4	2.700	5	3.485	4	2.912	5	3.876	5	4.015	5	4.105	5	4.197	CONT			CONT	
Production Support DSA			0.000		0.000		0.000		0.000		0.000		0.000		0.000		0.000					
Interm Contractor Support Installation of Hardware PRIOR YR EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP	32 32	5	0.505	4	0.413	5	0.523	4	0.423	5	0.546	5	0.563	5	0.574	5	0.585	CONT	CONT	0.0 0.0 0.0 0.0 0.0	CONT 0.0 0.0 0.0 0.0 0.0	
FY 04 EQUIP FY 05 EQUIP FY 06 EQUIP FY 07 EQUIP FY 08 EQUIP FY 08 EQUIP FY 09 EQUIP FY 10 EQUIP FY11 EQUIP		5.0	0.505	4.0	0.413	5.0	0.523	4.0	0.423	5.0	0.546	5.0	0.563	5.0	0.574	5.0	0.585			5.0 4.0 5.0 4.0 5.0 5.0 5.0	0.5 0.4 0.5 0.4 0.5 0.6	
FY TC EQUIP																0.0	0.000	CONT		0.0	0.0	
TOTAL INSTALLATION COST			0.505		0.413		0.523		0.423		0.546		0.563		0.574		0.585		CONT		CONT	
TOTAL PROCUREMENT COST			3.891		3.113		4.008		3.335		4.422		4.578		4.679		4.782		CONT		CONT	
METHOD OF IMPLEMENTATION:									ADMINIS	TRATIV	E LEAD	TIME:	1 month			PROD	UCTION	LEADTIN	ΛE:	2 month	S	
	CONTRACT	DATES	S:				FY 2004	k:	Nov-03	3	FY 200	05:	Nov-04		FY 2006:		Nov-05			FY 2007	' :	Nov-06
	DELIVERY [DATES:					FY 2004	l:	Jan-04		FY 200	05:	Jan-05		FY 2006:		Jan-06			FY 2007	' :	Jan-07
INSTALLATION SCHEDULE:	PY		1	<u>FY</u> 2	05 3	4	= ;	1	<u>FY (</u> 2	<u>)6</u> 3	4	<u>.</u>	1	<u>FY</u> 2	<u>′ 07</u> 3	4	=	1	2 <u>FY</u>	<u>' 08</u> 3	4	
INPUT	37		1	1	1	1		0	1	2	2		1	1	1	1		0	1	2	2	
OUTPUT	37		1	1	1	1		0	1	2	2		1	1	1	1		0	1	2	2	
INSTALLATION SCHEDULE:		1	2 <u>F</u>	Y 09 3	4	_	1	2 2	<u>Y 10</u> 3	4		1	<u>F)</u> 2	<u>/ 11</u> 3	4	_	TC	-				<u>TOTAL</u>
INPUT		0	1	2	2		0	1	2	2		0	1	2	2		CONT					CONT
OUTPUT		0	1	2	2		0	1	2	2		0	1	2	2		CONT					CONT

Notes/Comments: Total I/O = 94 sites (reg/prod centers, facilities, detachments, USMC air stations, etc.). Refresh occurs concurrently with new installations.

Exhibit P-3a, Individual Modification Program

Unclassified Classification

¹ Installations are being done by local personnel.

CLASSIFICATION:

UNCLASSIFIED

	BUD	GET I	TEM JUST	IFICATION	SHEET			DATE:				
			P-4	0					F	ebruary 20	05	
APPROPRIATION/BUE	OGET ACTIVI	TY					P-1 ITEM NO	MENCLATU	RE BLI 42	4200		
OTHER PROCURE	MENT, NA	VY/B	A 3				0	THER PHO	TOGRAPH	IIC EQUIPI	MENT - J3S	X
Program Element for C	ode B Items:						Other Relate	d Program El	ements			
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST (In Millions)	\$79.1	Α	\$1.8	\$1.4	\$1.4	\$1.5	\$1.5	\$1.6	\$1.6	\$1.7	CONT	CONT

OTHER PHOTOGRAPHIC EQUIPMENT

The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional file technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). The main photographic lab supports the full visual imaging program afloat to include: Carrier Intelligence Center (CVIC) support (Bomb Damage Assessment (BDA) and target imagery), incidents and accidents at sea, medical media, copy and reproduction, investigation, aerial and surface, combat camera, safety, training, and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS). It is imperative the photo lab be able to interface with the new electronic media. Hard copy imagery is required in the documentation of real world events (drug interdiction programs, humanitarian relief efforts, shipboard and flight operational documentation). This imagery is used at all levels within the Executive Branch of the government including CNO, SECNAV, JCS, National Military Command Center and the White House. Hard copy photographs are used in the decision making process by the Fleet and Battle Group Commanders and directly impacts the overall Navy Mission. Digital imagery can be quickly disseminated via shipboard communication systems to support decision makers at the local, theatre, and global levels (CVBG, CINC, and JCS).

Digital technology will generate less environmentally damaging effluents than traditional photographic processes and will have no impact on shipboard water consumption. Electronic imaging is less manpower intensive and requires less maintenance and overall support resources than traditional mechanical hardware.

In order to fully utilize the film technology employed on ships, a two-phase transition plan will be implemented. An interim photo lab will be installed to interface with existing file technology, which will allow the ships to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability will determine the installation schedule.

Digital Photo Lab Phase I includes one hard-mounted electronics work station, one portable backup workstation, one high capacity digital printer, three digital hand-held cameras, and the software to run this equipment. Digital Photo Lab Phase II adds two hardmounted Pentium based workstations (comprised on two hard-mounted electronic work stations), one large format digital printer, one high resolution printer, a LAN to tie them together, two digital color cameras, and some miscellaneous small equipment/software required to tie Phase I and Phase II labs together. Phase I equipment installations are complete. Phase II continues though the use of Field Changes. As digital camera technology improves the equipment will be upgraded/replaced to provide the latest technology. Phase III is in the CDD generation phase. Phase III will completly remove any wet flim processing and all HAZMAT and add more work stations.

P-1 SHOPPING LIST UNCLASSIFIED DD Form 2454, JUN 86 ITEM NO. 96 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET	DATE:
P-40	February 2005
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE BLI 424200
OTHER PROCUREMENT, NAVY/BA 3	OTHER PHOTOGRAPHIC EQUIPMENT - J3SX
Program Element for Code B Items:	Other Related Program Elements
CINCLANT MSG DTG 051820Z Apr 00 identified emerging fleet requirements for the evaluated in FY01 and resulted in Digital Photo Lab Phase II modifications (DPL V2X) to system must be expanded to meet fleet requirements for visual imaging products while Additionally, DPL directly supports intelligence gathering and analysis through video equipment, will be upgraded to DPL V2X through the life cycle of the system. Through the FYDP, this program will continue to update the shipboard imagery equipment program afloat to include Carrier Intelligence Center (CVIC) support, bomb damage asset procured both in FY06 and FY07. An additional three Digital Camera Receiving Statical airborne reconnaissance and surveillance platforms are planned to be procured in FY06 and FY06.	to meet the critical requirement for processing analog and digital video imagery. The achieving the original program goal of reducing dependence on chemical processes. and multi-media center. The existing DPL Phase II systems, to include obsolete int with digital imagery technology (Digital Photo Lab) which supports full visual imaging ssment, target imagery and medical media. An additional three labs are planned to be ions (DCRS) used for interpretation and printing of digital imagery down-linked from

P-1 SHOPPING LIST CLASSIFICATION:
DD Form 2454, JUN 86 ITEM NO. 96 PAGE NO. 2 UNCLASSIFIED

DPL Workstation A Quantity 43 467 Cont Cont Cont Digital SLR Color Camera * A A A A A A Cont >	
OTHER PROCUREMENT, NAVY/BA3 ID Prior Code Years FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 Complete TO Com	
Procurement Items	
Procurement Items Code Years FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 FY 2011 Complete TOMPLET DPL Workstation A 3 3 3 3 3 3 3 Cont	
DPL Workstation A Quantity 43 3 3 3 3 3 Cont Funding 5,975 471 428 450 467 Cont Cont Digital SLR Color Camera * A A Cont <	otal
Quantity 43 467 Cont Digital SLR Color Camera * A A Cont C	, tui
Digital SLR Color Camera * A Cont Quantity 77 10 10 10 10 10 Cont Funding 2,272 50 50 50 50 Cont DCRS A A Cont Cont Cont Cont Funding 5,713 691 416 448 459 Cont Other Costs 65,124 539 536 486 488 Cont	Cont
Quantity 77 10 10 10 10 10 Cont Funding 2,272 50 50 50 Cont DCRS A 35 4 3 3 Cont Quantity 35 4 3 3 Cont Funding 5,713 691 416 448 459 Cont Other Costs 65,124 539 536 486 488 Cont	Cont
Funding 2,272 50 50 50 50 Cont DCRS A Image: Cont of the cont o	
DCRS A Quantity 35 4 3 3 3 3 Cont Funding 5,713 691 416 448 459 Cont Other Costs 65,124 539 536 486 488 Cont	Cont
Quantity 35 4 3 3 3 Cont Funding 5,713 691 416 448 459 Cont Other Costs 65,124 539 536 486 488 Cont	Conf
Funding 5,713 691 416 448 459 Cont Other Costs 65,124 539 536 486 488 Cont	
Other Costs 65,124 539 536 486 488 Cont	Cont
	Cont
Table D. 4. 500 days 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	Cont
Total P-1 Funding* * 79,084 1,751 1,430 1,434 1,464 Cont	Cont
Includes Rewson	
*Digital SLR Color Cameras in addition to the workstations, the Digital SLR Color Cameras previously purchased through	
Eastman Kodak are currently being purchased through NIKON at a much lower price, resulting in the number of cameras	
purchased from 4 to 10 at the unit price of \$5,000.00.	
**Total P-1 Funding - includes quanitities to meet inventory objectives plus losses.	
D 1 SHOPPING LIST CLASSIFICATION:	

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO. 96 PAGE NO. 3

UNCLASSIFIED

UNCLASSIFIED CLASSIFICATION:

	WEAPONS SYSTEM CO P-5	OST ANA	ALYSIS			Weapon Sy	stem						DATE: February 2005		
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NC	MENCLATU	JRE/SUBHEAD	BLI 424	200		l .		
Other F	Procurement, Navy/BA3														
							OTHER PI	HOTOGRA	APHIC EQU	IPMENT -	- J3SX				
			TOTAL COST	IN THOUS	ANDS OF D	OLLARS									
COST	ELEMENT OF COST	ID	Prior		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	PHOTO EQUIPMENT UNDER \$100K	Α	319												
	DIGITAL COLOR PRINTER DIGITAL PHOTO LAB WORKCENTER	A	268 5,975	2	457	474	,	143	400	•	110	450	2	153	407
	DIGITAL PHOTO LAB WORKCENTER DIGITAL SLR COLOR CAMERA	A A	5,975 2,272	3 10	157 5	471 50	3 10	143	428 50	3 10	149 5	450 50		153	467 50
	MISC SCALL EQUIP & ECPS	A	114	10	3	30	10		30	10	3	30	10	3	30
	(PREVIOUS S4019 OF Y3S4)*														
	DIGITAL CAMERA RECEIVING STATION	Α	5,713	4	173	691	3	140	416	3	149	448	3	150	459
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT		808												
SX900	INSTALLATION (NON-FMP)		5,173			539			536			486			488
	VARIOUS OTHER COSTS, FY 97 & PRIOR		,												
	OTHER PHOTOGRAPHIC EQUIPMENT		58,442												
	•		79,084			1,751			1,430			1,434			1,464
			-			P-1 S	SHOPPING I	₋IST					CLASSIFIC	ATION:	

UNCLASSIFIED DD Form 2454, JUN 86 ITEM NO. 96 PAGE NO.4

UNCLASSIFIED CLASSIFICATION:

BUDGET PROCURE	MENT HISTO	RY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				•				F	ebruary 2	005
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NO	MENCLATURE BLI 424200			SUBHEAD	
Other Procurement,	Navy/BA3									
			-			TOGRAPHIC EQUIPME	<u>NT</u>	_	J3SX	
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
DIGITAL PHOTO LAB	1	(000)					†			
WORKSTATION										
SX020/FY 2004	3	157	SPAWAR DET., Phil	Apr-04	C/FP	Various**	Jun-04*	Sep-04	YES	
SX020/FY 2005	3	143	SPAWAR DET., Phil	Apr-05	C/FP	Various**	Jun-05	Sep-05	YES	
SX020/FY 2006	3	149	SPAWAR DET., Phil	Apr-06	C/FP	Various**	Jun-06	Sep-06	YES	
SX020/FY 2007	3	153	SPAWAR DET., Phil	Apr-07	C/FP	Various**	Jun-07	Sep-07	YES	
DIGITAL SLR COLOR CAMERA										
SX021/FY 2004	10	5	SPAWAR DET., Phil	Apr-04	C/FP	NIKON	Jun-04*	Sep-04	YES	
SX021/FY 2005	10	5	SPAWAR DET., Phil	Apr-05	C/FP	NIKON	Jun-05	Sep-05	YES	
SX021/FY 2006	10	5	SPAWAR DET., Phil	Apr-06	C/FP	NIKON	Jun-06	Sep-06	YES	
SX021/FY 2007	10	5	SPAWAR DET., Phil	Apr-07	C/FP	NIKON	Jun-07	Sep-07	YES	
DIGITAL CAMERA RECEIVING STATION										
SX100/FY 2004	4	173	SPAWAR DET., Phil	Apr-04	C/FP	Various**	Jun-04*	Sep-04	YES	
SX100/FY 2005	3	140	SPAWAR DET., Phil	Apr-05	C/FP	Various**	Jun-05	Sep-05	YES	
SX100/FY 2006	3	149	SPAWAR DET., Phil	Apr-06	C/FP	Various**	Jun-06	Sep-06	YES	
SX100/FY 2007	3	150	SPAWAR DET., Phil	Apr-07	C/FP	Various**	Jun-07	Sep-07	YES	

REMARKS

Note: * All contracts that were slated to be awarded in June have been awarded.

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

> P-1 SHOPPING LIST CLASSIFICATION: **UNCLASSIFIED**

DD Form 2454, JUN 86 ITEM NO. 96 PAGE NO. 5

	BU	DGET	ITEM JUS	STIFICAT	TION SHE	ET					DATE:	
											February 2	2005
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy		BA 3					P-1 ITEM I		_	UPPORT	Γ	
Program Element for Code B Items:							Other Rela	ated Progra	m Element	S		
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity												
Cost (\$M)	\$266.8	A/B	\$32.1	\$31.9	\$26.9	\$13.3	\$20.8	\$23.0	\$23.6	\$24.2	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 Control Unit.

COMBAT SURVIVOR EVADER LOCATOR (CSEL) - SY060

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

	BU	_	ITEM JU	STIFICAT	ION SHE	ET					DATE:	
		P-40									February 2	2005
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM	NOMENCL	ATURE			
Other Procurement, Navy		BA 3					424400,	AVIATIO	N LIFE S	UPPOR1	Γ	
Program Element for Code B Items:							Other Rela	ated Progra	m Element	S		
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity											·	J
Cost (\$M)	\$266.8	A/B	\$32.1	\$31.9	\$26.9	\$13.3	\$20.8	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

LASER EYE PROTECTION - SY080

- Laser Eye Protection Improvement Program (LEPIP) EDU-5/P Spectacles. This is a USN/USMC Abbreviated Acquistion Program (AAP). The EDU-5/P spectacles are designed to provide day and night multiple wavelength, low energy protection for fixed and rotary wing aircrew in a fixed, multi-wavelength laser threat environment. The spectacles are designed to cause minimal visual and physical encumbrance, and be compatible with current Navy Aviation Life Support Equipment (ALSE), aircraft visual displays and night vision systems. The EDU-5/P spectacles will replace the current available FV2 laser spectacles which have performance limitations with include 1) day use only, 2) significant color perception distortion of the cockpit display or scene being viewed, 3) incompatibility with Chemical Biological Radiological (CBR) protective assembly, 4) incompatibility with night vision goggles (NVGs), 5) significant reduction of cockpit displays light levels, and 6) hot spot discomfort around the ears from the temple arms. In addition, the EDU-5/P spectacles provide seven (7) wavelength protection as opposed to five (5) wavelength protection provided by the FV2 spectacles.

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

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

AGILE LASER EYE PROTECTION (ALEP) - SY088

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

MULTI-CLIMATE PROTECTION SYSTEMS (MCP) - SY146

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

	BU	DGET	ITEM JU	STIFICA1	TION SHE	ET					DATE:	
		P-40									February 2	2005
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy		BA 3					P-1 ITEM 424400 ,		_	SUPPORT	Γ	
Program Element for Code B Items:							Other Rela	ated Progra	m Element	S		
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity												
Cost (\$M)	\$266.8	A/B	\$32.1	\$31.9	\$26.9	\$13.3	\$20.8	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

AIRCREW EXPOSURE PROTECTION SYSTEM (AEPS) - SY205

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

NIGHT VISION DEVICES (NVD) TACTICAL - SY210

-These Night Vision Devices (NVD) provide U.S. Navy personnel with a helmet-mounted night vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operational limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism, objective lens with a leaky green filter that enables fixed wing aviators to view heads-up displays (HUD) while wearing the system, and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting, and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

NIGHT VISION GOGGLES (NVG) ROTARY -SY212

- These Night Vision Goggles (NVG) provides U.S. Navy rotary wing personnel with a helmet-mounted vision system that enhances aircrew performance at night. The system is battery powered and amplifies ambient light sources which increases visual acuity at night. The system is fitted with a light emitting diode (LED) indicator on the helmet mounting plate assembly that blinks if battery voltage drops below operating limits. The system incorporates a high gain, high resolution image intensifier assembly, 3/4-turn focus mechanism and comes with a detachable helmet mount. The system is fully adjustable by the operator to accommodate the distance between the eyes, vertical distance, tilt, eye relief, diopter setting and focus. Additionally, the system can be flipped up and stored away from the operator's eyes in emergency situations and when not in use.

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.

CLASSIFICATION: UNCLASSIFIED

	BU	DGET	TEM JUS	STIFICAT	TON SHE	ET					DATE:	
		P-40									February 2	2005
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy		BA 3					P-1 ITEM I		_	UPPOR1	Г	
Program Element for Code B Items:							Other Rela	ited Progra	m Element	S		
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity												·
Cost (\$M)	\$266.8	A/B	\$32.1	\$31.9	\$26.9	\$13.3	\$20.8	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

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

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

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

- This system will provide aircraft equipped with the Joint Helmet Mounted Cueing System (JHMCS) the ability to cue and display weapons and sensors at night using a wide 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.

BAROSTAT TEST BOX - SY350

- The Barostat Test Box is used to test ejection seat barostat release units. The model is MBEU143054 tests the Navy Aircrew Common Ejection Seat (NACES) and other Martin Baker ejection seats.

NAVY COMMON HELMET - SY500

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

UNCLASSIFIED
Exhibit P-40

	BU	DGET P-40	ITEM JU	STIFICAT	TION SHE	ET					DATE: February 2	2005
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy		BA 3					P-1 ITEM 424400 ,	NOMENCL AVIATIO	_			
Program Element for Code B Items:							Other Rela	ated Progra	m Element	S		
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total Program
Quantity												
Cost (\$M)	\$266.8	A/B	\$32.1	\$31.9	\$26.9	\$13.3	\$20.8	\$23.0	\$23.6	\$24.2	Cont	Cont

DESCRIPTION:

QUICK DON SMOKE MASK, AND IMPROVED WALK AROUND BOTTLE - SY600

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

MASK BREATHING UNIT (MBU-23/P) OXYGEN MASKS - SY710

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

JOINT COMBAT HELO AIRCREW ENSEMBLE - SY720

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

JOINT TECHNICAL DATA INTEGRATION/AUTOMATED MAINTENANCE EQUIPMENT (JTDI/AME) - SY900

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

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION S	SHEET	FOR A	GGREGA	TED ITE	MS					DATE:	
P-40a										February 2	2005
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/	BA 3						P-1 ITEM 424400 ,	ATURE N LIFE S	SUPPOR	Т	
Procurement Items (\$M)	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007				To Complete	Total Program
SY030 SURVIVAL RADIO											
Quantity	Α	14,048	1,700	1,843	3,977						
Funding		28.872	3.843	4.986	10.088						
SY060 CSEL											
Quantity	Α	678	982	900	1,313	1,011					
Funding		8.130	10.869	9.198	12.862	10.106	6				
SY080 LASER EYE PROTECTION											
Quantity	Α		618								
Funding			.895								
SY085 JALEPV											
Quantity	Α	300		698	349	212	2				
Funding		2.614		2.096	1.048	.638	3				
SY088 AGILE LASER EYE PROTECTION											
Quantity	В										
Funding											
SY146 MULTI-CLIMATE PROTECTION SYSTEM											
Quantity	Α		1,750	2.050							
Funding			2.729	2.358							
SY205 AIRCREW EXPOSURE PROTECTION SYSTEM	+										
Quantity	В										
Funding											
SY210 NIGHT VISION DEVICES	1										
Quantity	Α	1,744	207								
Funding		10.642	1.019								
. Growing			Page No. 6								

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a											DATE: February 2005		
		Prior										Total	
Procurement Items (\$M)	ID Code	Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Program	
SY212 NIGHT VISION GOGGLES, ROTARY		- 100	20.4										
Quantity	Α	5,462	294										
Funding		32.461	1.613				1						
SY213 NVG WIDE FIELD OF VIEW (TACTICAL)							†						
Quantity	В												
Funding													
SY214 NVG WIDE FIELD OF VIEW (ROTARY)													
Quantity	В												
Funding													
SY215 JHMCS NIGHT VISION INTEGRATION													
Quantity	В												
Funding													
SY350 BAROSTAT TEST BOX													
Quantity	Α												
Funding													
SY500 NAVY COMMON HELMET													
Quantity	В												
Funding													
SY600 QUICK DON SMOKE MASK													
Quantity	В						†			<u> </u>			
Funding	1 -		Page No. 7										

BUDGET ITEM JUSTIFICATIO	N SHEET	FOR AC	GREGA	TED ITE	MS						DATE:			
P-40a												February 2005		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA 3								P-1 ITEM NOMENCLATURE 424400, AVIATION LIFE SUPPORT						
Procurement Items (\$M)	ID Code	Prior Years	FY 2004	FY 2005	FY 2006	FY 2007					To Complete	Total Program		
SY710 MBU-23/P OXYGEN MASKS														
Quantity	Α		4,785	6,169										
Funding			1.906	2.457										
SY720 JOINT COMBAT HELO ENSEMBLE														
Quantity	В													
Funding														
SY900 JTDI/AME														
Quantity	А		2	2										
Funding			4.858	6.957										
Other Costs		184.124	4.375	3.891	2.948	2.520)				Cont	Cont		
			_	_										
Total P-1 Funding		266.843	32.108	31.944	26.946	13.264	!				Cont	Conf		

Totals may not add due to rounding

Page No. 8

	WEAPONS SYSTEM COST ANALYSIS	Weapon S	System										DATE	<u> </u>		Weapon Sys	tem		
	P5												F	ebruary 20	005				
APPROP	RIATION/BUDGET ACTIVITY	-							ID Code	P-1 ITEN	NOMENC	LATURE				ID Code	P-1 ITEM I	NOMENCLA	TURE
OTHER P	PROCUREMENT, NAVY\ BA 3								A/B	424400,	AVIATION	LIFE SUPP	ORT			В	424400, A	VIATION LIF	E SUPPORT
	,		Dollars in Thousa	nds						-			Dollars	s in Thousan	ds		-		
			Prior Years		FY 2004			FY 200	5		FY 2006			FY 2007		To Co	mplete		Total
					2001			1 1 200			1			1 1 2001	Total	10 00	III III III III III III III III III II		- Ottai
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	Cost	QTY	Cost	QTY	Cost
SY030	SURVIVAL RADIO	Α	28,872	1,700	2.261	3,843	1,843	2.705	4,986	3,977	2.537	10,088							
SY060	CSEL	Α	8,130	982	11.069	10,869	900	10.220	9,198	1,313	9.796	12,862	1,011	9.996	10,106				
SY080	LASER EYE PROTECTION	Α		618	1.448	895													
SY085	JALEPV	Α	2,614				698	3.003	2,096	349	3.003	1,048	212	3.009	638				
SY088	AGILE LASER EYE PROTECTION	В																	
SY146	MULTI-CLIMATE PROTECTION SYSTEM	Α		1,750	1.560	2,729	2,050	1.150	2,358										
SY205	AIRCREW EXPOSURE PROTECTION SYSTEM	В																	
SY210	NIGHT VISION DEVICES	Α	10,642	207	4.922	1,019													
SY212	NIGHT VISION GOGGLES, ROTARY	Α	32,461	294	5.487	1,613													
SY213	NVG WIDE FIELD OF VIEW (TACTICAL)	В																	
SY214	NVG WIDE FIELD OF VIEW (ROTARY)	В																	
SY215	JHMCS NIGHT VISION INTEGRATION	В																	
SY350	BAROSTAT TEST BOX	Α																	
SY500	NAVY COMMON HELMET	В																	
SY600	QUICK DON SMOKE MASK	В																	
SY710	MBU-23/P OXYGEN MASKS	Α		4,785	.398	1,906	6,169	.398	2,457										
SY720	JOINT COMBAT HELO ENSEMBLE	В																	
SY830	PRODUCTION SUPPORT SERVICES	Α	38,729			4,376			3,892			2,948			2,520	Cont	Cont	Cont	Cont
SY835	OTHER COSTS	Α	145,395																
SY900	JTDI/AME	Α				4,858			6.957										
			266,843			32,108			31,944			26,946	<u> </u>		13,264	Cont	Cont		Cont

BUDGET PROCUREMENT HISTORY AND PLAI	NNING I	EXHIBIT (P	-5A)			Weapon System		A. DATE		
			,			AVIATION LIFE SUPPORT			February 20	05
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 I	TEM NOMENCLATURE			SUBHEA)
OTHER PROCUREMENT, NAVY /			BA 3			424400, AVIATION LIFE SUPPORT			43	BSY
				250						
				RFP	Contract			Date of	Specs	Date
		Unit Cost		Issue	Method		Award	First		Revisions
Cost Element/FiscalYear	Qty	(000)	Location of PCO	Date	& Type	Contractor and Location	Date	Delivery	Now	Available
SY030 SURVIVAL RADIO	4=00			0.4/0.000	0.555	TABIBAN OBSOTRAL BUILLER III	0.4/0.00.4	00/0004		
2004			NAVAIR	04/2002		TADIRAN SPECTRALINK LTD, Holon,	01/2004			
2005			NAVAIR	04/2002		TADIRAN SPECTRALINK LTD, Holon,	12/2004			
2006	3977	2.537	NAVAIR	04/2002	C-FFP	TADIRAN SPECTRALINK LTD, Holon,	12/2005	08/2006		
SY060 CSEL										
2004			AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA		04/2005		
2005			AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA		03/2006		
2006			AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA		03/2007		
2007	1011	9.996	AFMS/SMC	N/A	C-FFP	THE BOEING COMPANY, ANAHEIM, CA	05/2007	03/2008		
SY080 LASER EYE PROTECTION										
						KAISER OPTICAL SYSTEMS, INC.,ANN				
2004	618	1.448	NAWCADPAX	N/A	C-CPFF	ARBOR,M	07/2004	12/2004		
SY085 JALEPV										
2005	698	3.003	NAWCADPAX	01/2001	C-FFP	HOLOGRAPHIC OPTICS, INC., MILLWOOD, NY	05/2005	05/2005		
2006	349	3.003	NAWCADPAX	01/2001	C-FFP	HOLOGRAPHIC OPTICS, INC., MILLWOOD, NY	05/2006	09/2006		
2007	212	3.009	NAWCADPAX	01/2001	C-FFP	HOLOGRAPHIC OPTICS, INC., MILLWOOD, NY	05/2007	09/2007		
SY146 MULTI-CLIMATE PROTECTION										
SYSTEM										
						PECKHAM VOCATIONAL				
2004	1750	1.560	NAWCADPAX	N/A	SS-FFP	INDUSTRIES,LANSING,MI	09/2004	10/2004		
				-		PECKHAM VOCATIONAL				
2005	2050	1.150	NAWCADPAX	N/A	SS-FFP	INDUSTRIES,LANSING,MI	07/2005	08/2005		
SY210 NIGHT VISION DEVICES				1,7.1		, , , , , , , , , , , , , , , , , , , ,				
2004	207	4.922	NAVAIR	N/A	C-FFP	ITT INDUSTRIES INC,ROANOKE,VA	12/2003	11/2004		
SY212 NIGHT VISION GOGGLES, ROTARY				1,4,1,			1			
2004	294	5 487	NAVAIR	N/A	C-FFP	ITT INDUSTRIES INC,ROANOKE,VA	12/2003	07/2004		
SY710 MBU-23/P OXYGEN MASKS		0.101		1 47 1			12/2000	0172001		
211 10 III 20 20/1 0/1 02 II III 10 II						GENTEX CORPORATION, RANCHO				
2004	4785	0.398	NAVAIR	N/A	C-FFP	CUCAMONGA,CA	05/2004	06/2005		
200	1700	0.000	10,707,111	14/71	0	GENTEX CORPORATION, RANCHO	00/2001	00/2000		-
2005	6169	0.308	NAVAIR	N/A	C-FFP	CUCAMONGA.CA	05/2005	06/2006		
SY900 JTDI/AME	, 0103	0.030	14,14,411	14//1	<u> </u>		33/2003	30/2000		
2004 2004	1	4372	NAVICPMECH	N/A	C-IDIQ	INTERGRAPH CORPORATION, MADISON, AL	04/2004	06/2004		
200-	' ' '	7012	I WEOTT	13//1	C IDIQ	NAWCAD BLDG 439 STE F,PATUXENT	37/2004	30/2004		
2004	1	486	NAWCAD PAX	N/A	wx	RIVER,MD	04/2004	06/2004		
2005			NAVICPMECH	N/A		INTERGRAPH CORPORATION, MADISON, AL	04/2004			
2000	<u>' </u>	0201	INAVIORIVILOIT	IN/A	שוטויט	NAWCAD BLDG 439 STE F.PATUXENT	04/2003	00/2003		
2005		606	NAWCAD PAX	N/A	wx	RIVER,MD	11/2004	01/2005		
2003	' '	090	INAWOAD FAA	IN/A	V V A	IN VEIN, IVID	11/2004	01/2003		
	1	l	<u> </u>		1	<u>l</u>	1	l		

REMARKS:

Exhibit P-20, Requireme	nts Study	APPROPRIATION	/BUDGET ACTI	VITY				Date:	
•	•	OTHER PROCUR	EMENT, NAVY/E	BA 3 AVIATION SU	PPORT EQUIPM	ENT 424400		Fe	bruary 2005
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):			Production Lea	dtime:	I.	•
NEW SURVIVAL RADIO			3 MONTHS				8 MONTHS		
NEW CONTINUE HADIO			T III OITTIG				- Inciting		
		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary		1700	1843	3977	0	0	0	0	0
Unit Cost		2.26	2.71	2.54	0.00	0.00	0.00	0.00	0.00
Total Cost		3,843	4,986	10,088	0	0	0	0	0
Asset Dynamics									
Beginning Asset Position		12652	14198	16054	18253				
Deliveries from all prior year	funding	1546	1550	0	0				
Deliveries from FY 2005 fun			306	1537	0				
Deliveries from FY 2006 fun	ding			662	3315				
Deliveries from FY 2007 fun	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
End of Year Asset Position		14198	16054	18253	21568	21568	21568	21568	21568
Inventory Objective or Curre	ent Authorized Allowance	21925	21925	21925	21925	21925	21925	21925	21925
Inventory Objective	Actual Training	Other than Train	ing	Disposals			Vehicles Eligible f		Aircraft:
21925	Expenditures	Usage		(Vehicles/Other)		FY 2006 Replace		TOAI:
Assets Rqd For Combat	FY 2004 thru	FY 2004 thru		FY 2004 thru			Vehicles Eligible f	or	PAA:
Loads:	31 Jul 04	31 Jul 04		31 Jul 04			FY 2007 Replace	ment:	TAI
WRM Rqmt:	FY 2004:	FY 2004:		FY 2004:			Vehicle Augment:		Attrition Res:
Pipeline:	FY 2003:	FY 2003:		FY 2003:					BAI
Other:	FY 2002:	FY 2002:		FY 2002:					Inactive Inv:
TOTAL:				-					Storage:
Remarks:	•	1		1			ı		

Remarks:

P-1 SHOPPING LIST

CLASSIFICATION:

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DD Form 2454, JUN 86

Exhibit P-20, Requireme	nts Study	APPROPRIATION	I/BUDGET ACTIV	/ITY				Date:	
•	•	OTHER PROCUR	EMENT, NAVY/E	BA 3 AVIATION SUI	PPORT EQUIPM	ENT 424400		Fe	bruary 2005
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):			Production Lea	dtime:	•	
COMBAT SURVIVOR EV	ADER LOCATOR (CSEL)		7 MONTHS				9 MONTHS		
	,								
		FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011
Buy Summary		982	900	1313	1011				
Unit Cost		11.07	10.22	9.80	10.00				
Total Cost		10,869	9,198	12,862	10,106				
Asset Dynamics									
Beginning Asset Position		241	570	1168	2185	3323	4461		
Deliveries from all prior year	funding	329	598	492	0	0	0		
Deliveries from FY 2005 fun	ding			525	375	0	0		
Deliveries from FY 2006 fun	ding				763	550	0		
Deliveries from FY 2007 fun	ding					588	423		
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position		570	1168	2185	3323	4461	4484	4884	4884
Inventory Objective or Curre		5974	5974	5974	5974	5974	5974	5974	5974
Inventory Objective	Actual Training	Other than Train	ing	Disposals			Vehicles Eligible t		Aircraft:
5974	Expenditures	Usage		(Vehicles/Other)		FY 2006 Replace		TOAI:
Assets Rqd For Combat	FY 2004 thru	FY 2004 thru		FY 2004 thru			Vehicles Eligible f	ior	PAA:
Loads:	31 Jul 04	31 Jul 04		31 Jul 04			FY 2007 Replace		TAI
WRM Rqmt:	FY 2004:	FY 2004:		FY 2004:			Vehicle Augment	<u>:</u>	Attrition Res:
Pipeline:	FY 2003:	FY 2003:		FY 2003:					BAI
Other:	FY 2002:	FY 2002:	·	FY 2002:				·	Inactive Inv:
TOTAL:									Storage:
Remarks:									

Remarks:

P-1 SHOPPING LIST

CLASSIFICATION:

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С	YEAR 2005				
С	YEAR 2005				
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DD Form 2445, JUL 87

FY 06/07 DON BUDGET PRO			HEDU	JLE, P	P-21												DATE			Feb	orua	ıry 2	200	5					
APPROPRIATION/BUDGET AC OTHER PROCUREMENT,			3									Wea	apor	ı Sys	stem			ITEI 4244							POF	RT S	YST	ГЕМ	1S
						Р	roduc	tion	Rate	!				Pro	cure	mer	it Le	adtir	nes										
Item	ı		nufactu and L		n	MSF	₹ 1-	-8-5	M	AX		T Pi			T Af Oct 1			Initia fg Pl			eord fg Pl			Tota	ıl		Un Mea	it of	
SY030, NEW SURVIVAL RADIO	TADIRAI	N SPECT	RALINK/H	IOLON ISF	RAEL	2	0 4	00	50	00		8			3			6			8			11			Eac	ch	
SY060, CSEL	BOEING	, NORTH	AMER, A	NAHEIM,	CA	3	0 4	00	70	00		5			7			10			9			16			Eac	ch	
																											<u> </u>		_
ITEM / MANUFACTURER	F	S	Q	D	В	20	77	F	ISCA	L YEA			ID A D	YEAR	200	0					FISC		EAR LEND		EAD 3	2000			Τ
TEM, WHO ACTORER	Y	V C	T Y	E L	A L	0	N D O E	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	E A
SY060, CSEL/Boeing	06 07	N N	1313 1011	763 0	550 1011	110 1	10 110	110	110	84	84	84	84	84	84	84	84	84	85	85	85								(
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							·		FISC	CAL Y	EAR	2010									FISC	CAL Y	EAR	2011					T
ITEM / MANUFACTURER	F	s	Q	D	В	20)9				(CALE	NDAR	YEAR	201	0						CA	LEND	AR Y	EAR 2	2011			1
	Y	C	T Y	E L	A L	С	N D C V C	J A N	F E B	M A R	A P R	M A Y	J J	J	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J J	A U G	S E P	
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		E	BUDGET ITE		ATION SHEE	Т			DATE:			
P-40 February 2005												
APPROPRIATION/BUI	DGET ACTIVIT	Υ					P-1 ITEM NOM	IENCLATURE	•			
OTHER PROCURE	EMENT, NA	VY BA-3	3: NAVY/AVI	ATION SUPP	ORT EQUIP	MENT	Airborne Mine	Countermeası	ires BLI 4248	800		
Program Element for C	ode B Items:	0604373	BN				Other Related	Program Eleme	nts			
								0204302N				
	Prior	ID									То	
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
QUANTITY												
COST												
(In Millions)		В	\$2.5	\$66.8	\$38.0	\$92.6	\$95.1	\$86.4	\$14.2	\$15.5	Cont.	Cont.
SPARES COST												
OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT Airborne Mine Countermeasures BLI 42480 Program Element for Code B Items: 0604373N Other Related Program Elements 0204302N Prior Years ID Code FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 FY 2010 QUANTITY COST (In Millions) B \$2.5 \$66.8 \$38.0 \$92.6 \$95.1 \$86.4 \$14.2								\$0.1	Cont.	Cont.		

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 procurement supports the MH-60S platform.

S0074 - AN/AQS-20/X Nomenclature designation assigned MAY 02) funding provided in FY 2005 - FY 2007 includes a sonar for mine detection, classification and identification. The Navy does not possess a capability to conduct high speed minefield reconnaissance to determine mine density and location. The AN/AQS-20A will be procured to address the emergent requirement for mine identification and to integrate AMCM systems with a MH-60S platform, and the Remote Minehunting System AN/WLD-1(V)1.

S0075 - Airborne Laser Mine Detection System (ALMDS), AN/AES-1 is a light detection and ranging (LIDAR) system for rapid detection, classification, and localization of floating and near surface tethered mines. It will be deployed on the MH-60S helicopter as part of the OAMCM suite of systems. FY 2005 procurement supports Low Rate Initial Production (LRIP), FY2006 procurement support ALMDS training units, and FY 2007 Procurement support Full Rate Production units for integration onto the MH-60S platform.

S0076 - Organic Airborne and Surface Influence Sweep (OASIS) will provide a self-contained, high speed, multi-function mine sweep capability, towed by the MH-60S helicopter or potential surface craft. FY 2007 procurement funding supports Low Rate Initial Production (LRIP).

S0CA1- FY 2005 Congressional Add for improvements to the AN/AQS-20 minehunting sonar system.

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PPROPRIATION/BUDGET AND THER PROCUREMENT
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rogram Element for Code B It
code B items
MNS (MH-60S) PE #0
LMDS PE #0
PE #0
N/AQS-20A PE #0

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ITEM NO. 98 PAGE NO. 2

CLASSIFICATION:

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	WEAPONS SYSTEM C P-5	OST AN	IALYSIS			Weapon Sy	rstem						F	DATE: ebruary 20	005
	RIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM N	OMENCLATU	RE/SUBHEAD)					
	rocurement, Navy/BA-3: VIATION SUPPORT EQUIPMENT					В		۸irba	rno Mino	Countari	measures/	7280			
INAV I/A	VIATION SUPPORT EQUIPMENT		TOTAL COS	T IN THOUS	ANDS OF DO	1	1	Allbo	mie wine	Counter	ileasures/	1330			
COST	ELEMENT OF COST	ID	Prior		FY 2004			FY 2005			FY 2006			FY 2007	
CODE		Code	Years Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
00000	N752					0.400			2.000			F 404			0.50
S0020	MODIFICATION	Α				2,488			3,800			5,191			6,50
S0065	Unit Cost - AMNS	В											2	1,408	2,816
	NON-RECURRING ENGINEERING												_	,,,,,,	112
	SUPPORT EQUIPMENT														65
	ILS/PUBS/TECH DATA														645
	TRAINING EQUIPMENT														140
	PRODUCTION ENGINEERING														374
	CONSULTING SERVICES														317
	S0065 TOTAL														4,469
															,,,,,,
S0074	Unit Cost - AQS-20A	В					5	7,400	37,000	3	7,800	23,400	6	7,416	44,496
	NON-RECURRING ENGINEERING								825			876			1,902
	SUPPORT EQUIPMENT								730			624			2,065
	ILS/PUBS/TECH DATA								760			483			1,221
	TRAINING EQUIPMENT								125			645			1,296
	PRODUCTION ENGINEERING								657			613			586
	CONSULTING SERVICES								200			344			404
	S0074 TOTAL								40,297			26,985			51,970
S0075	Unit Cost - ALMDS	В					4	4,498	17,991				4	4,102	16,40
	TRAINING UNITS							,	,,,,,,	2	1,450	2,900		, -	.,
	NON-RECURRING ENGINEERING								511		,	1,550			1,70
	SUPPORT EQUIPMENT								138			0			64
	ILS/PUBS/TECH DATA								209			25			96
	TRAINING EQUIPMENT								72			0			33
	PRODUCTION ENGINEERING								1,743			1,285			1,70
	CONSULTING SERVICES								511			100			42
	S0075 TOTAL								21,175			5,860	1		22,180
									,			2,230			,
	Subtotal					2,488			65,272			38,036			85,12

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APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT COST CODE ELEMENT OF COST Unit Cost - QASIS NON-RECURRING ENGINEERING ENGINEERING CHANGE PROPOSALS ILS-PUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL TOTAL COST IN THOUSANDS OF DOLLARS DOTAL COST IN THOUSANDS OF DOLLARS TOTAL COST IN THOUSANDS OF DOLLARS FY 2004 FY 2005 FY 2006 FY 2007 Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost 1,844 TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL DID Code Pri ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures/73S0 FY 2006 FY 2007 Total Cost Quantity Unit Cost Quantity Unit Cost Quantity Unit Cost Quantity Unit Cost Qua		WEAPONS SYSTEM (P-5	COST AI	NALYSIS			Weapon Sy	stem						F	DATE:	05
TOTAL COST N THOUSANDS OF DOLLARS S S S S S S S S S							ID Code	P-1 ITEM N	IOMENCLATU	IRE/SUBHEA)					
COST							В		Airbo	orne Mine	Counter	measures	/73S0			
Code Code	10,101,71			TOTAL COS	T IN THOUS	SANDS OF DO		<u> </u>	7.11.20		Counton					
Code Code	COST	ELEMENT OF COST	ID	Prior		FY 2004			FY 2005			FY 2006			FY 2007	
N852				Years	Quantity		Total Cost	Quantity		Total Cost	Quantity		Total Cost	Quantity		Total Cost
Non-RECURRING BRIGHERING 1,384 159 1,884 1,8				Total Cost	Quantity	Offic Cost	Total Cost	Quantity	Offic Cost	Total Cost	Quartity	Offic Cost	Total Cost	Quantity	Offic Cost	Total Cost
Non-RECURRING BRIGHERING 1,384 159 1,884 1,8																
NON-RECURRING ENGINEERING ENGINEERING CHANGE PROPOSALS LLS/PUSE/FECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL SSCA1 ANI/AGS-20 Congressional Add 1,500 Total Total 2,488 66,772 38,036 92,561			В													
ENGINEERING CHANGE PROPOSALS ILISPUBS/TECH DATA TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL SOCA1 ANAGS-20 Congressional Add Total Total 2,488 66,772 38,036 92,561	S0076													2	1,710	
ILSPUBS/TECH DATA 250 445 450 45																
TRAINING EQUIPMENT PRODUCTION ENGINEERING CONSULTING SERVICES SOO76 TOTAL SOCA1 ANVAQS-20 Congressional Add 1,500 Total Total 2,488 66,772 38,036 92,561																
PRODUCTION ENGINEERING CONSULTING SERVICES S0076 TOTAL S0CA1 AN/AGS-20 Congressional Add 1,500 Total 2,488 66,772 38,036 92,561																
CONSULTING SERVICES S0076 TOTAL S0CA1 AN/AGS-20 Congressional Add 1,500 Total 2,488 66,772 38,036 92,561																
S0076 TOTAL S0CA1 AN/AQS-20 Congressional Add 1,500 1																
SOCA1 AN/AQS-20 Congressional Add 1,500 1,																
Total 2,488 66,772 38,036 92,561																
	S0CA1	AN/AQS-20 Congressional Add								1,500						
						L CHODDING !				66,772			38,036	NTION:		92,561

UNCLASSIFIED

BUDGET PROCUREM	ENT HISTOR	RY AND P	LANNING EXHIBIT (P-	5A)		Weapon System		A. DATE		
								Fe	ebruary 2	2005
B. APPROPRIATION/BUDGET					C. P-1 ITEM NON					
Other Procurement, N						Airborne Mine Countermeas	sures		73	3S0
BA-3: NAVY/AVIATION	N SUPPORT	EQUIPME	NT		BLI 424800					
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (04)										
FISCAL YEAR (05) AQS-20A - S0074 ALMDS - S0075	5 4	7,400 4,498	NAVSEA NSWC, PANAMA CITY	10/04 10/04	SS/FP OPTION	RAYTHEON, PORTSMOUTH, RI NORTHROP GRUMMAN, MELBOURNE, FL	03/05 03/05	09/06 06/06	YES YES	
FISCAL YEAR (06) AQS-20A - S0074 ALMDS - S0075	3 2	7,800 1,450*	NAVSEA NSWC, PANAMA CITY	N/A N/A	OPTION OPTION	RAYTHEON, PORTSMOUTH, RI NORTHROP GRUMMAN, MELBOURNE, FL	12/05 11/05	06/07 09/06	YES YES	
FISCAL YEAR (07) AMNS - S0065 AQS-20A - S0074 ALMDS - S0075 OASIS - S0076	2 6 4 2	1,408 7,416 4,102 1,710	NAVSEA NAVSEA NAVSEA NAVSEA	01/07 N/A 06/06 N/A	SS/FP OPTION C/FP OPTION	RAYTHEON, PORTSMOUTH, RI RAYTHEON, PORTSMOUTH, RI UNKNOWN EDO CORP N. AMITYVILLE, NY	06/07 01/07 12/06 12/06	06/08 07/08 03/08 12/07	YES YES YES YES	

P-1 SHOPPING LIST Classification: DD Form 2446-1, JUL 87 UNCLASSIFIED PAGE NO. 5 ITEM NO. 98

FY 2006/2007 BUDGET PRO	DUCTIO	N SC	HEDL	JLE, P	-21													DATE			Fe	bru	ıary	/ 20	05					
APPROPRIATION/BUDGET <i>F</i>													Wea	apon	Sys	tem			ITE											
OTHER PROCUREMENT, NA	VY/ BA-	·3 Nav	/y/Avi	ation	Supp	ort E												Air	bor	ne	Mir	<u> 1e (</u>	Cou	nte	rme	eas	ure	S		
			• •				Pro	duct	ion l	Rate									adtin		_						T			
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Item AMNS				nouth,		2	SK	10	5-5	18	4Λ	ıc	5	l I		3	I	IVI	12	_!_	IVI	ig P	<u> </u>		15			Е	asure	<u>e</u>
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ITEM / MANUFACTURER	F	s	Q	D	В		2004					(CALEI	NDAR	YEAR	2005							CA	LEND	AR Y	EAR 2	:006			
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311/244 PAGE 6 Exhibit P-21 Production Schedule

	O06/2007 BUDGET PRODUCTION SCHEDULE, P-21 ROPRIATION/BUDGET ACTIVITY ER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment Production Rate Manufacturer's Name and Location MSR 1-8-5 MAX QS-20 (Towed Body) MH53 Raytheon, Portsmouth, RI 1 12 26														Sve	stem		DATE		NA NI		e bru ENC								
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Remarks: LRIP FY 03 is AN/AQS-20 Towed Bodies only.

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

311 / 244 ITEM NO 98 PAGE 7 Exhibit P-21 Production Schedule

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	PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment														Sys	tem					OMI									
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311 / 244 PAGE 8 Exhibit P-21 Production Schedule

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311 / 244 PAGE 9 Exhibit P-21 Production Schedule

FY 2006/2007 BUDGET PROD	UCTIC	N SC	HEDU	JLE, P	P-21													DATE			Fe	bru	uar	y 20	05					
APPROPRIATION/BUDGET AC													We	apon	Syst	em		P-1	ITEI	M N	OME	NC	LAT	URI						
OTHER PROCUREMENT, NAV	Y/ BA	-3 Nav	/y/Avi	iation	Supp	ort E												Air	bor	ne	Min	e C	ou	nte	rme	easi	ure	S		
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APPROPRIATION/BUDGET A OTHER PROCUREMENT, NA			o./Avi	otion	Cunn	ort D	- -	-ma	n4				Wea	apon	Sys	tem								URI						
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311 / 244 PAGE 11 Exhibit P-21 Production Schedule

UNCLASSIFIED

		BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
				P-40						Februa	ry 2005	
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	MENT, NA	VY/BA3						LAMPS MK	III SHIPBO	ARD EQUIP	MENT/ U3S1	
Program Element for Co 425500/425505	de B Items:						Other Related 018200	Program Elem	ents			
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total
QUANTITY	0	В	0	4	8	12	12	12	12	12	30	102
COST (In Millions)	\$5.4	В	\$20.2	\$21.6	\$18.2	\$21.9	\$14.7	\$13.4	\$13.7	\$14.0	43.5	\$186.5

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

FY04 includes a Congressional Add of \$4.675M for "procurement and installation of AN/SRQ-4(Ku) Band Radio Terminal Set improvements for surface ships".

Basis for Request: The FY06 request funds the procurement of 8 AN/SRQ-4(Ku) ship units and associated support to meet the MH-60R fleet deployment schedule.

P-1 SHOPPING LIST
ITEM NO. 99 PAGE NO. 1

CLASSIFICATION:

UNCLASSIFIED

	BUDGE	T ITEM J	USTIFICATI	ON SHEET	FOR AGGRI	EGATED ITE	ИS		DATE:			
				P-40a						Feb	oruary 2005	
APPROPRIATION/BUDGE	ET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUREMI	ENT, NA	VY/ BA3	AVIATION S	UPPORT E	QUIPMENT			LAM	PS MK III SI	HIPBOARD E	QUIPMENT	
	ID	Prior									To	
Procurement Items	Code	Years	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total
SRQ(Ku)4	В											
QUANTITY				4	8	12						
COST (In Millions)				\$4.304	\$7.368	\$9.804						
OTHER CHROOM	В	#F 0F0	#00.004	£47.007	¢40.704	¢40.074						
OTHER SUPPORT	В	\$5.356	\$20.201	\$17.297	\$10.784	\$12.071						
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TOTAL		\$5.356	\$20.201	\$21.601	\$18.152	\$21.875						

DD Form 2454, JUN 86 ITEM NO. 99 PAGE NO. 2

CLASSIFICATION:

UNCLASSIFIED

	WEAPONS SYSTEM C P-5	OST ANA	ALYSIS			Weapon Sy							DATE: Fe	bruary 20	05
_	PRIATION/BUDGET ACTIVITY R PROCUREMENT, NAVY/ BA3 AV	IATION	SUPPORT	Γ EQUIP		ID Code B	P-1 ITEM NO LAMPS M				ENT				
			TOTAL COST	Γ IN THOUS	ANDS OF D	OLLARS	I								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 2004			FY 2005			FY 2006			FY 2007	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S1010	SRQ(Ku)4	В					4	1,076	4,304	8	921	7,368	12	817	9,804
S1800	Integrated Logistics Support	В	291			3,176			3,352			6,125	i		796
S1830	Production Engineering	В	4,640			16,563			13,534			3,940			3,036
S1860	Acceptance, Test & Evaluation	В	425			462			411			719	ı		472
S1900	Installation - NFMP	В													
S1910	Installation - FMP	В													599
			5,356 OPPING LIST			20,201			21,601			18,152			21,87

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 99 PAGE NO. 3

UNCLASSIFIED

BUDGET PROCUREN	MENT HISTO	RY AND F	PLANNING EXHIBIT	Г (Р-5А)		Weapon System		A. DATE		
									February 20	05
B. APPROPRIATION/BUDGET					C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Other Procurement, N	Navy / BA-3									
		T.				HIPBOARD EQUIPMENT			U3S1	
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
S1010 SRQ(Ku)4** FY 2005	4	1076	NAVAIR	Jul-04	FFP	Harris, Melbourne, FL	May-05	May-07	N/A	
S1010 SRQ(Ku)4** FY 2006	8	921	NAVAIR	Jul-04	FFP	Harris, Melbourne, FL	Jan-06	Sep-07	N/A	
S1010 SRQ(Ku)4 FY 2007	12	817	NAVAIR	Oct-06	FFP	Harris, Melbourne, FL	Jan-07	Sep-08	N/A	
S1010 SRQ(Ku)4 FY 2008	12	753	NAVAIR	Oct-07	FFP	Harris, Melbourne, FL	Jan-08	Sep-09	N/A	
S1010 SRQ(Ku)4 FY 2009	12	716	NAVAIR	Oct-08	FFP	Harris, Melbourne, FL	Jan-09	Sep-10	N/A	

D. REMARKS

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

ITEM NO. 99 PAGE NO. 4

^{**}FY04 basic contract is for production start up. FY05 and FY06 equipment buys are awarded as Option Years 1 and 2 on the FY04 basic contract.

CLASSIFICATION: UNCLASSIFIED																							
P3A		INDIVID	UAL	MODIFIC	ATION																		
MODELS OF SYSTEM AFFECTED:	Lamps I	NK III					TYP	E MODIF	ICATIO	ON:	KU B	AND TCDL		_			MOE	DIFICATION	TITLE	≣:	SRC	(Ku)4	
DESCRIPTION/JUSTIFICATION:																							
This program provides for NRE and procure	ement of A	N/SRQ-4	4(Ku)	field insta	all kits.	This sys	stem e	ncompas	ses ha	ardware a	nd soft	ware to tran	nsmit s	ensor data	from th	ne Light Air	borne l	Multi-Purpo:	se Sys	tem (LAMPS) MK	III aircraft to	the host
ship classes of cruisers, destroyers and frig	ates.																						
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT N	MILESTO	NES:																				
														_									
		Years		Y 2004		Y 2005		Y 2006		Y 2007		Y 2008		FY 2009		FY 2010		FY 2011		TO COMP			TAL .
	QTY	\$	QTY	′ \$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u> \$ </u>	QTY	\$	QTY	\$	QTY	\$		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																							
RDT&E																							
<u>PROCUREMENT</u>																						,	
INSTALLATION KITS					4	4.304	8	7.368	12	9.804												,	
INSTALLATION KITS - UNIT COST						1.076		0.921		0.817												,	
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER																							
OTHER																							
OTHER SUPPORT		5.356		20.201		17.297		10.784		11.472													
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST									4	0.599													
TOTAL PROCUREMENT		5.356		20.201		21.601		18.152		21.875													

ITEM NO. 99

PAGE NO. 5

CLASSIFICATION: UNCLASS

P-1 SHOPPING LIST

CLASSIFICATION: UNCL P3A (Continued)	ASSIF	TED																				
MODELS OF SYSTEMS A	FFEC	TED: <u>LAN</u>	IPS I	MK III	MOE	DIFICATION	ITIT NC	LE: SR	Q(KU)4												
INSTALLATION INFORMA	TION:	:																				
METHOD OF IMPLEMENT	OITAT	N:																				
ADMINISTRATIVE LEADT	IME:		3	Month	ıs	PRODUC	CTION	LEADTIN	1E: _	20	Month	IS_										
CONTRACT DATES: DELIVERY DATE:		FY 2004: FY 2004:						FY 2005: FY 2005:	_	May-0 May-0			FY 20 FY 20			n-06 p-07	_	FY 200 FY 200	_	Jan- Sep		
			_		_				Millior										1 — -			
Cost:	_	ior Years		Y 2004		Y 2005		2006		2007		/ 2008		2009		2010		2011		omplete		Total
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Exhibit P-3A (Individual Modification)
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	Name and Location MSR ECON MAR															T Af			nitial			eord							it of	
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ITEM / MANUFACTURER	Name and Location MSR ECON MAX														YEAF	R 2004	1		1				CA	LEND	AR Y	EAR 20	005			
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ITEM / MANUFACTURER				CALEN	IDAR	YEAF	R 2006								LEND		EAR 20	J07			В									
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	BUD	GET I	TEM JUST	IFICATION	DATE:										
		P-4	0	February 2005											
APPROPRIATION/B	APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
OTHER PROCUE	OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT								BLI :4265 OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7						
Program Element for	·							Other Related Program Elements							
	Prior Years	ID Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	To Complete	Total			
QUANTITY															
COST (In Millions)	\$318.0	Α	\$9.1	\$10.4	\$6.5	\$10.8	\$10.8	\$10.5	\$10.8	\$8.5	CONT	CONT			

The following items are funded in this line:

1. NAVAIR Office Information System (OIS) Headquarters Support Equipment (S7020):

This program finances the procurement of investment items critical to the efficient and effective execution of NAVAIR Headquarters mission needs.

Electronic Acquisition - The NAVAIR Electronic Acquisition funding provides for the procurement of necessary upgrades to the NAVAIR Team-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of Electronic Acquisition Initiatives. The OSD mandate/initiatives include, but are not limited to the following: Electronic Tools (hardware/software/infrastructure) to integrate e-Procurement/e-Commerce/e-Business, Standard Procurement Systems, Electronic Procurement Collaboration, Electronic Invoicing and Entitlement (e.g., Wide Area Workflow Receipt and Acceptance), Electronic Document Access and Interfaces to achieve an end-to-end

2. PEO (A) Industrial Facilities Equipment (S7030):

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

3. Naval Aviation Logistics Data Analysis (NALDA) Support Upgrade to NALDA II (S7040):

NAVAIR was directed by the CNO to extend NALDA accessibility to all USN and USMC aviation supportability and maintenance reporting activities and NAVAIR Team sites. This is being accomplished by upgrading current Naval Aviation logistics reporting mechanisms through the procurement and installation of a fully-licensed, warranted, secure, standardized, COTS, user-friendly, Client-Server and relational database environment. Additionally, Life-Cycle Management (LCM) dollar resource requirements have been identified for hardware, software and process technology upgrades (refreshment), which have also been incorporated above.

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	BUD	GET I	TEM JUST	IFICATION		DATE:									
P-40								February 2005							
APPROPRIATION/BU	APPROPRIATION/BUDGET ACTIVITY								P-1 ITEM NOMENCLATURE						
OTHER PROCUR	OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT							BLI: 4265 OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7							
Program Element for	Program Element for Code B Items:							Other Related Program Elements							
	Prior	ID									То				
	Years	Code	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	Complete	Total			
QUANTITY															
COST (In Millions)	\$318.0	Α	\$9.1	\$10.4	\$6.5	\$10.8	\$10.8	\$10.5	\$10.8	\$8.5	CONT	CONT			

3. Naval Aviation Logistics Data Analysis (NALDA) Support Upgrade to NALDA II (S7040): CONT'D

Funding is required to procure the additional hardware, networking, systems, applications software, infrastructure, and associated installation support necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA is the single authoritative source of naval aviation logistics data. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.

Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the Defense Information Systems Agency (DISA) Technical Architecture Framework for Information Management (TAFIM) and Common Operating Environment (COE).

4. Naval Aviation Logistics Data Analysis NALCOMIS (NALDA NALCOMIS) (S7041):

As Optimized Organization Maintenance Activity (OOMA) and Optimized Intermediate Maintenance Activity (OIMA) approach full implementation, NALDA NALCOMIS is responsible for implementation of Mid Tier Servers at 100 + 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.

5. 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.

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P-5							Weapon System							DATE: February 2005		
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7									
		SANDS OF D	OOLLARS	•												
COST	ELEMENT OF COST	ID Code	Prior Years	FY 2004			FY 2005			FY 2006		·		FY 2007		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
S7020	NAVAIR OIS Headquarters SE	А	55,583			469										
S7030	PEO (A) Industrial Facilities Equipment	А	3,572			203			200			210			21:	
S7041	NALDA NALDA - hardware and software in support of NALCOMIS Optimization.	A A	41,806 9,745			3,740 510			4,427 1,493			2,478 3,770			1,943 4,408	
	Joint Aviation Technical Data Integration (JATDI)	Α	35,612			4,214			4,273						424	
S7043	Resource Application Mgmt Program (RAMP)	Α	980													
	Various 1/ 1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY2003 and beyond.		170,706													
	1	1	318,004			9,136			10,393			6,458			10,80	

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BUDGET PROCUREM	BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE				
				,				Februa	ry 2005			
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOM	ENCLATURE	SUBHEAD					
OTHER PROCUREMENT	NAVY BA	3 - AVIATIO	N SUPPORT EQUIP		OTHER AVIA	TION SUPPORT EQU	43S7/U3S7					
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		
S7040-NALDA		(2.2.7)										
FY 2005	1 LOT 1 LOT	3,345 1,082	NICP NAWCAD	N/A N/A	Various *OGA	TBD Government	2/05 2/05	4/05 2/05	N/A N/A	N/A N/A		
FY 2006	1 LOT 1 LOT	956 1,522	NICP NAWCAD	N/A N/A	Various OGA	TBD Government	2/06 11/05	4/06 12/05	N/A N/A	N/A N/A		
FY 2007	1 LOT 1 LOT	385 1,558	NICP NAWCAD	N/A N/A	Various OGA	TBD Government	2/07 11/06	4/07 12/06	N/A N/A	N/A N/A		
S7041-NALDA NALCOMIS												
FY 2005	1 LOT 1 LOT	1,213 280	NICP NAWC/NSY/Spawar	N/A N/A	OPTION N/A	TBD Government	2/05 2/05	4/05 2/05	YES N/A	N/A N/A		
FY 2006	1 LOT 1 LOT	3,109 661	NICP NAWC/NSY/Spawar	N/A N/A	Various N/A	TBD Government	2/06 11/05	4/06 12/05	YES N/A	N/A N/A		
FY 2007	1 LOT 1 LOT	3,582 823	NICP NAWC/NSY/Spawar	N/A N/A	Various N/A	TBD Government	2/07 11/06	4/07 12/06	YES N/A	N/A N/A		
S7042-JATDI												
FY 2005	1LOT	3,834	NAWCAD	7/05	SS-FFP/CPFF	Cryptek	10/05	12/05	YES	N/A		
FY 2007	1LOT 1LOT	3,086 1,154	NICP NAWCAD	N/A N/A	Various N/A	TBD Government	12/06 11/06	3/07 12/06	YES N/A	N/A N/A		
D. REMARKS												

D. REMARKS

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^{*} OGA - Other Government Agencies