

DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2003
BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 2002

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

UNCLASSIFIED

Department of the Navy

FY 2003 Procurement Program

Exhibit P-1

APPROPRIATION: 1810N Other Procurement, Navy

DATE: February 2002

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2003 UNIT COST	TOA, \$ IN MILLIONS						S E C
				-----FY 2001-----		-----FY 2002-----		-----FY 2003-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 03: Aviation Support Equipment										

Sonobuoys										
88	4048 Sonobuoys - All Types				56.9		62.0		63.3	U
Aircraft Support Equipment										
89	4204 Weapons Range Support Equipment	A			36.3		20.3		7.7	U
90	4208 Expeditionary Airfields	A			3.2		7.4		7.5	U
91	4214 Aircraft Rearming Equipment	A			10.2		12.1		11.9	U
92	4216 Aircraft Launch & Recovery Equipment	A			36.1		27.1		19.4	U
93	4226 Meteorological Equipment	A			30.4		29.5		27.1	U
94	4242 Other Photographic Equipment	A			1.6		1.7		1.6	U
95	4244 Aviation Life Support	A			30.1		20.7		25.7	U
96	4248 Airborne Mine Countermeasures	A			29.6		38.0		19.5	U
97	4255 LAMPS MK III Shipboard Equipment	A			-		-		5.5	U
98	4265 Other Aviation Support Equipment	A			23.0		23.9		12.4	U
TOTAL Aviation Support Equipment					257.5		242.8		201.6	

* ITEMS UNDER \$50,000

**Fiscal Year 2003 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 not to exceed [152] *141* passenger motor vehicles for replacement only, and the purchase of [five] *3* vehicles required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed o\$200,000 *\$240,000* per unit for [two units] *one unit* and not to exceed [\$115,000] *\$125,000* per unit for the remaining [three] *two* units; 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, [\$4,270,976,000] *\$4,347,024,000*, to remain available for obligation until September 30, [2004] *2005*, of which *\$19,869,000 shall be for the Naval Reserve.* (10 U.S.C. 5013, 5063; *Department of Defense Appropriations Act, 2002.*)

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET							DATE: FEBRUARY 2002					
P-40												
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE SONOBUOYS, ALL TYPES					
							PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY		A		54,461	69,375	69,874	102,135	68,360	137,102	60,975	Continuing	Continuing
COST (In Millions)				\$56.9	\$62.0	\$63.3	\$87.7	\$63.2	\$107.9	\$65.7	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/SSQ-53 and AN/SSQ-57 requirements were combined in FY02.

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

The AN/SSQ-77 (VLAD) is a passive 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 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.

Beginning in FY03, hardware funds may be realigned to support necessary engineering investigations (EIs) and production engineering change proposals (ECPs).

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY01	FY02	FY03	FY04	FY05	FY06	FY07
3,687	3,445	2,992	3,060	3,099	3,130	3,181

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WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System Sonobuoys, All Types	DATE: FEBRUARY 2002
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
	HARDWARE	A				54,461			51,528	69,375		55,257	69,874		55,900
QZ001	AN/SSQ-36					5,364	247.91	1,330	4,468	258.64	1,156	5,264	253.31	1,333	
QZ002	AN/SSQ-53					27,985	489.44	13,697	41,903	439.03	18,397	27,085	455.19	12,329	
QZ004	AN/SSQ-62					15,607	1,266.10	19,760	13,843	1035.52	14,335	11,561	1,074.59	12,423	
QZ005	AN/SSQ-77					0	0.00	0	7,011	735.33	5,155	10,078	705.61	7,111	
	Start-up Nonrecurring costs*							3,653			4,000				
QZ006	AN/SSQ-101					2,032	6,023.10	12,239	2,150	5681.22	12,215	2,086	5,534.32	11,545	
QZ007	AN/SSQ-110							0			0	9,291	927.95	8,622	
QZ008	SUS MK 84					3,473	244.75	850			0	3,559	245.88	875	
QZ009	Hydrostatic Device							0			0	950	1,750.00	1,663	
	PRODUCTION ENGINEERING							2,773			3,400			3,611	
QZ831	AN/SSQ-36							94			69			80	
QZ832	AN/SSQ-53							832			1,213			788	
QZ834	AN/SSQ-62							1,085			860			745	
QZ835	AN/SSQ-77							261			448			427	
QZ836	AN/SSQ-101							351			810			880	
QZ837	AN/SSQ-110							0			0			517	
QZ838	SUS MK 84							150			0			60	
QZ839	Hydrostatic Device							0			0			114	

*AN/SSQ-77 - In FY01, after being out of production for six years, production startup of the AN/SSQ-77 production line was begun. Due to funding limitations, an initial award of \$3.653M in FY01 was given to Sparton Electronics to begin the production line startup process. In FY02 USSI will be given a contract for \$4.0M to begin the process of restarting their production line. FY02 production quantities will be competed for the AN/SSQ-77.

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System Sonobuoys, All Types				DATE: FEBRUARY 2002							
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
	ACCEPTANCE TESTING						2,605				3,373				3,766
QZ861	AN/SSQ-36						94				75				87
QZ862	AN/SSQ-53						631				1,280				854
QZ864	AN/SSQ-62						1,034				932				808
QZ865	AN/SSQ-77						161				335				462
QZ866	AN/SSQ-101						607				751				807
QZ867	AN/SSQ-110						0				0				560
QZ868	SUS MK 84						78				0				65
QZ869	Hydrostatic Device						0				0				123
	Subtotals by Buoy Type														
	AN/SSQ-36						1,518				1,300				1,500
	AN/SSQ-53						15,160				20,890				13,971
	AN/SSQ-62						21,879				16,127				13,976
	AN/SSQ-77						4,075				9,938				8,000
	AN/SSQ-101						13,197				13,776				13,232
	AN/SSQ-110						0				0				9,699
	SUS MK 84						1,078				0				1,000
	Hydrostatic Device						0				0				1,900
							56,906				62,030				63,277

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System Sonobuoys, All Types				DATE: FEBRUARY 2002									
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ												
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
	HARDWARE	102,135		77,594	68,360		55,833	137,102		95,879	60,975		58,040				
QZ001	AN/SSQ-36	7,183	251.23	1,805	3,279	271.13	889	4,989	267.29	1,334	3,152	282.00	889	Continuing	Continuing	Continuing	Continuing
QZ002	AN/SSQ-53	40,007	442.62	17,708	23,850	484.26	11,550	77,871	415.98	32,393	21,409	510.03	10,919	Continuing	Continuing	Continuing	Continuing
QZ004	AN/SSQ-62	17,310	1,028.49	17,803	9,795	1,120.68	10,977	17,420	1,055.69	18,390	10,936	1,144.54	12,517	Continuing	Continuing	Continuing	Continuing
QZ005	AN/SSQ-77	23,930	624.06	14,934	15,829	673.34	10,658	17,467	671.74	11,733	8,343	767.15	6,400	Continuing	Continuing	Continuing	Continuing
QZ006	AN/SSQ-101	3,424	4,512.75	15,452	2,231	5,105.96	11,391	6,339	3,444.40	21,834	4,906	3,581.42	17,570	Continuing	Continuing	Continuing	Continuing
QZ007	AN/SSQ-110	9,746	916.28	8,930	9,656	919.65	8,880	9,367	929.68	8,708	8,648	954.84	8,257	Continuing	Continuing	Continuing	Continuing
QZ008	SUS MK 84			0	3,414	256.32	875	3,343	261.70	875	3,275	267.18	875	Continuing	Continuing	Continuing	Continuing
QZ009	Hydrostatic Device	535	1,800.00	963	306	2,000.00	612	306	2,000.00	612	306	2,000.00	612	Continuing	Continuing	Continuing	Continuing
	PRODUCTION ENGINEERING			4960		3626		8177		3785		3785					
QZ831	AN/SSQ-36			108		53		803		53		53		Continuing	Continuing	Continuing	Continuing
QZ832	AN/SSQ-53			1,074		693		1,603		655		655		Continuing	Continuing	Continuing	Continuing
QZ834	AN/SSQ-62			1,068		693		1,603		751		751		Continuing	Continuing	Continuing	Continuing
QZ835	AN/SSQ-77			896		639		1,178		384		384		Continuing	Continuing	Continuing	Continuing
QZ836	AN/SSQ-101			1,202		912		1,637		1,344		1,344		Continuing	Continuing	Continuing	Continuing
QZ837	AN/SSQ-110			536		533		1,250		495		495		Continuing	Continuing	Continuing	Continuing
QZ838	SUS MK 84			0		60		60		60		60		Continuing	Continuing	Continuing	Continuing
QZ839	Hydrostatic Device			76		43		43		43		43		Continuing	Continuing	Continuing	Continuing
														0	0		

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WEAPONS SYSTEM COST ANALYSIS					Weapon System					DATE:							
P-5					Sonobuoys, All Types					FEBRUARY 2002							
APPROPRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD											
OTHER PROCUREMENT, NAVY						PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ											
B.A.3 - AVIATION SUPPORT EQUIPMENT																	
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
	ACCEPTANCE TESTING			5147			3754			3835			3883				
QZ861	AN/SSQ-36			117			58			58			58	Continuing	Continuing	Continuing	Continuing
QZ862	AN/SSQ-53			1,164			751			924			710	Continuing	Continuing	Continuing	Continuing
QZ864	AN/SSQ-62			1,157			751			924			814	Continuing	Continuing	Continuing	Continuing
QZ865	AN/SSQ-77			971			693			462			416	Continuing	Continuing	Continuing	Continuing
QZ866	AN/SSQ-101			1,077			816			819			1,238	Continuing	Continuing	Continuing	Continuing
QZ867	AN/SSQ-110			580			575			538			537	Continuing	Continuing	Continuing	Continuing
QZ868	SUS MK 84			0			65			65			65	Continuing	Continuing	Continuing	Continuing
QZ869	Hydrostatic Device			81			45			45			45	Continuing	Continuing	Continuing	Continuing
	Subtotals by Buoy Type																
	AN/SSQ-36			2,030			1,000			2,195			1,000	Continuing	Continuing	Continuing	Continuing
	AN/SSQ-53			19,946			12,994			34,920			12,284	Continuing	Continuing	Continuing	Continuing
	AN/SSQ-62			20,028			12,421			20,917			14,082	Continuing	Continuing	Continuing	Continuing
	AN/SSQ-77			16,801			11,990			13,373			7,200	Continuing	Continuing	Continuing	Continuing
	AN/SSQ-101			17,731			13,119			24,290			20,152	Continuing	Continuing	Continuing	Continuing
	AN/SSQ-110			10,046			9,988			10,496			9,289	Continuing	Continuing	Continuing	Continuing
	SUS MK 84			0			1,000			1,000			1,000	Continuing	Continuing	Continuing	Continuing
	Hydrostatic Device			1,120			700			700			700	Continuing	Continuing	Continuing	Continuing
				87,701			63,213			107,891			65,708				

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Sonobuoy, All Types		A. DATE FEBRUARY 2002			
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 404800				SUBHEAD U3QZ	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
FY01										
AN/SSQ-36	5,364	247.91		10/00	C/FFP	HERMES	03/01	03/02	YES	
AN/SSQ-53	17,742	436.06	NSWC CRANE	10/00	C/FFP	USSI	03/01	05/02	YES	
AN/SSQ-53	10,243	579.00		10/00	C/FFP	SPARTON	03/01	05/02	YES	
AN/SSQ-62	7,308	1,201.98	NSWC CRANE	10/00	C/FFP	USSI	03/01	04/02	YES	
AN/SSQ-62	8,299	1,305.34	NSWC CRANE	10/00	C/FFP	SPARTON	03/01	04/02	YES	
AN/SSQ-77	0	0.00	NSWC CRANE	10/00	C/FFP	SPARTON	03/01	*	YES	
AN/SSQ-101	2,032	6,023.10	NSWC CRANE	10/00	SS/FFP	ERAPSCO	05/01	01/02	YES	
SUS MK 84	3,473	244.75	NSWC CRANE	10/00	C/FFP	SPARTON	03/01	05/02	YES	
FY02										
AN/SSQ-36	4,468	258.64	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	04/03	YES	
AN/SSQ-53	41,903	439.03	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	04/03	YES	
AN/SSQ-62	13,843	1,035.52	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	04/03	YES	
AN/SSQ-77	7,011	735.33	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	04/03	YES	
AN/SSQ-77	0	0.00	NSWC CRANE	10/01	C/FFP	USSI	01/02	*	YES	
AN/SSQ-101	2,150	5,681.22	NSWC CRANE	10/01	SS/FFP	ERAPSCO, IN	01/02	04/03	YES	
FY03										
AN/SSQ-36	5,264	253.31	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
AN/SSQ-53	27,085	455.19	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
AN/SSQ-62	11,561	1,074.59	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
AN/SSQ-77	10,078	705.61	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
AN/SSQ-101	2,086	5,534.32	NSWC CRANE	10/02	SS/FFP	ERAPSCO	01/03	04/04	YES	
AN/SSQ-110	9,291	927.95	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
SUS MK 84	3,559	245.88	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
Hydrostatic Device	950	1,750.00	NSWC CRANE	10/02	C/FFP	NOT SELECTED	01/03	04/04	YES	
D. REMARKS										
* AN/SSQ-77 - The P-5A depicts only hardware quantities and costs. In FY01, after being out of production for six years, production startup of the AN/SSQ-77 production line was begun. Due to funding limitations, an initial award of \$3.653M in FY01 was given to Sparton Electronics to begin the production line startup process. In FY02 USSI will be given a contract for \$4.0M to begin the process of restarting their production line. FY02 production quantities will be completed for the AN/SSQ-77.										

FY 2001/02 BUDGET PRODUCTION SCHEDULE, P-21						DATE FEBRUARY 2002											
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						Weapon System Sonobuoy, All Types						P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ					

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Unit of Measure	
		MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total			
AN/SSQ-36B	HERMES, CANADA	0.25	12	12								
AN/SSQ-36B, AN/SSQ-53/57	SPARTON, FL	0.25	12	12		3	15			18	Month	
AN/SSQ-53/57	USSI, IN	0.25	12	12		3	15			18	Month	
AN/SSQ-62	USSI, IN	0.25	2.6	8.0*		3	15			18	Month	
AN/SSQ-62	SPARTON,	0.25	8.0	8.0*		3	15			18	Month	
AN/SSQ-77	TBD	TBD	TBD	TBD		3	15			18	Month	
AN/SSQ-101 (ADAR)	ERAPSCO	TBD	TBD	TBD		3	15			18	Month	
SUS MK-84	SPARTON, FL	TBD	TBD	TBD		3	15			18	Month	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/SSQ-36 - NOT SELECTED (K)	02		4.5	3.3	1.2	0.5	0.4	0.3																				0.0		
AN/SSQ-53 - NOT SELECTED (K)	02		41.9	28.7	13.2	5.5	4.2	3.5																				0.0		
AN/SSQ-62 - NOT SELECTED (K)	02		13.8	9.1	4.7	1.6	1.6	1.5																				0.0		
AN/SSQ-77 - NOT SELECTED (K)	02		7.0	4.7	2.3	0.9	0.8	0.6																				0.0		
AN/SSQ-101- ERAPSCO, IN (K)	02		2.2	1.6	0.6	0.2	0.2	0.2																				0.0		

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2006												FISCAL YEAR 2007												B A L
						2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

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

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE BLI 420400					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST											
(In Millions)	\$970.0		\$36.3 *	\$20.3 ** ***	\$7.7	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p>*\$5M Congressional plus-up for JTCTS was placed on OMNIBUS reprogramming request, but the request was denied on 28 Sep 2001 by the HAC, DoD Serial Number: FY 01-30 PA. \$1.6M was rescinded and the remaining \$3.434M was placed on OSD withhold.</p> <p>**\$5.3M Mobile Remote Emitter System (MRES) FY 02 Congressional Add.</p> <p>***\$5.1M Pacific Missile Range Facility (PMRF) FY 02 Congressional Add.</p> <p>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), Tactical Aircrew Combat Training Systems (TACTS), Southern California (SOCAL) Communications Upgrade, Large Area Tracking Range (LATR), Joint Tactical Combat Training System (JTCTS), Shallow Water Training Ranges (SWTR), Mobile Remote Emitter System (MRES), and generic systems such as range computer systems, simulation, and surveillance systems. 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.</p> <p>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 weapon systems.</p> <p><u>MOBILE REMOTE EMITTER SYSTEM (MRES)</u></p> <p>The MRES is a high power Electronic Warfare simulator system capable of illuminating aircraft, ships, and various other signal collection platforms with emitters from 2 to 18 GHz. The system will also be capable of receiving active Electronic Countermeasures (ECM) transmissions from 500MHz to 18GHz transmissions from 500MHz to 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the TACTS and/or video and Identification Friend or Foe (IFF) tracking modes for position pointing sources.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						BLI 420400 Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$970.0		\$36.3	\$20.3	\$7.7	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p>The MRES system will be capable of generating threat scenarios to support non-instrumented test and training sites and also support Navy and Joint exercises. The MRES will be a ruggedized, highly reliable and maintainable system. It will consist of off-the-shelf components incorporating minor modifications as necessary to meet unique mission support areas. It will have a VHF/UHF communications system to provide voice and data exchange with the test platform or exercise coordinator and Range Control facility. The FY 1998 funding procured one MRES system for the Atlantic Test Range (ATR). Funding provided in FY99 was for one MRES variant and integration into PMRF. FY00 Congressional increase of \$6.0 procured a second MRES for PMRF to include the required communications system to integrate the PMRF MRES. Congressional increase of \$7.5 in FY01 procured a second MRES for the ATR. Congressional increase of \$5.3 in FY02 to procure an MRES for Fallon Range Training Range Complex (FRTC).</p> <p><u>NAVAL AIR STRIKE AND AIR WARFARE CENTER:</u> FY01 Congressional increase of \$5.0M will be utilized to upgrade and modernize the Fallon Electronic Warfare Range from a Cold War era air defense system to a modern capability that reflects the threats and tactics that have been experienced in the Gulf War and the contingency operations over Bosnia and Iraq. Hardware to be procured includes communications infrastructure required to integrate the simulators into the Tactical Aircrew Combat Training System for control and debrief purposes, and instrumentation required to score weapons deployment.</p> <p><u>THREAT RADAR UPGRADE (FALLON)</u> 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 defect or evade the threat.</p> <p><u>ELECTRONIC WARFARE THREAT UPGRADE (MAEWR/AFWTF/DARE COUNTY)</u> The Mid-Atlantic Electronic Warfare Range (MAEWR), the Atlantic Fleet Weapons Training Facility (AFWTF), and Dare County, North Carolina have a requirement for EW emitters to provide the necessary threat environment. Threat simulators required at MAEWR include any of the double-digit mobile threats such as the SA-10, SA11, SA-15, etc. as well as early warning and acquisition radars.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment Program Element for Code B Items:						P-1 ITEM NOMENCLATURE BLI 420400 WEAPONS RANGE SUPPORT EQUIPMENT Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$970.0		\$36.3*	\$20.3**	\$7.7***	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p><u>SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):</u> 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.</p> <p><u>TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):</u> The TACTS was developed in the early 1970's in response to the large Aircrew losses in Vietnam. TACTS tracks aircraft and monitors weapon systems during training missions. Weapons simulations are run by the TACTS in response to aircrew actions. Results are displayed in real-time and recorded for post mission debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. The Navy Decision Coordinating Paper W0431-AA established a requirement to continue development of new training techniques and capabilities through TACTS upgrades. The USAF has adopted the TACTS, renamed the Air Combat Maneuvering Instrumentation, and more recently the Air Combat Training System, as their standard aircrew training system. The latest generation 36 A/C system achieved an initial operating capability at Fallon NV in 1985. Other 36 A/C systems have been installed at Cherry Point, NC and Beaufort, SC. The Yuma and Oceana systems have also been upgraded to the 36 A/C configuration. The FY 1999-2000 program provided a significant upgrade to the Oceana TACTS Master Station at Bodie Island. This was required due to its age and outdated structural standards. Dangerous conditions prohibit the addition of new radio equipment or microwave dishes to support program requirements. Specifically, the LATR and Littoral Warfare Training Center (LWTC) communications needs cannot be served with the state of the existing tower. An upgraded tower will be integrated into a previously established government datalink and will directly support the LWTC communications bandwidth requirements.</p> <p><u>SHALLOW WATER TRAINING RANGES (SWTR):</u> Issue 31507 decreased funding and delays Phase One development for a Shallow Water Training Range on the West Coast by four years. This decrease will result in a significant delay in real world shallow water training on the West Coast and likely cost increases in future funding. Existing underwater ranges are situated in deep water and cannot provide training in Anti-Submarine Warfare (ASW) tactics employed in shallow coastal waters. The Operational Requirements Document for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N78. Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. The Shallow Water Ranges will cover five hundred nautical miles and will be located on the East and West Coasts. Each range will be built in four phases and will be operational at the completion of the first phase.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$970.0		\$36.3	\$20.3	\$7.7	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p><u>PACIFIC FLEET PORTABLE ASW RANGE</u> 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 COMPTUEX, FLEETEX, AND JTFEX can also be supported to some extent when conducted in the vicinity of the fixed fleet ranges at SCORE, AFWTF, AND 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.</p> <p><u>INTEGRATED TARGET CONTROL SYSTEM (ITCS) UPGRADE</u> ITCS Upgrade will provide an unmanned target control system designed to replace the legacy drone control systems deployed at Navy Target Training Ranges. The upgrade will provide all command and control, tracking and telemetry functions for the target systems. The upgrade will control the family of subscale Navy targets and provide a range of 400 nautical miles with an over-the-horizon relay. The FY2001 program provided two systems to Fleet Activity Okinawa. The FY2003 program will provide one system for Fleet Composite Squadron Six.</p> <p><u>FALLON COMMUNICATION UPGRADE</u> The Fallon training range employs a complex communications network consisting of a diverse configuration of radios, telephones, and other audio communications channels required to effectively and safely monitor and control all range activities. These channels are accessed and controlled at the Range Operations Center (ROC) operator stations by using a commercial communications switching system. The existing switching system does not provide the required channels or number of control consoles to support the existing range requirements. Because the current system is no longer in production, it is not possible to upgrade the system to meet these requirements. In addition, spare and vendor support is no longer available. The FY2001 program provided a state-of-the-art, supportable, commercial communications system that will allow range personnel to access and use all range radio and telephone communications assets.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE BLI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$970.0		\$36.3 *	\$20.3 ** ***	\$7.7	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p><u>AN/FPS-67A RADAR REPLACEMENT (AFWTF)</u> This program will replace the FPS-67 Radar located at Pico de Este, Puerto Rico with a newer surface search radar. The FPS-67 is no longer supportable and the loss of range radar coverage would result in extreme range safety issues. The FAA will assume responsibility for the operations and maintenance of the system. The FY02 funding will procure an acceptable radar replacement.</p> <p><u>JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)</u> Due to higher priority unfunded requirements the funding through the FYDP for JTCTS was eliminated. The Joint Tactical Combat Training System (JTCTS) will procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS 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. JTCTS is building on technology developed for existing tactical training range systems.</p> <p><u>LOW ALTITUDE SURVEILLANCE RADAR (LASR)</u> Due to the low elevation of the San Clemente radar on Mt. Thirst and the terrain between Mt. Thirst and the water, blind spots exist in the low level and surface radar coverage of the ASW and Range Electronic Warfare Simulator (REWS) range areas. It is in these low level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon to Mt. Thirst and from the surface to 5,000 feet. FY2000 funded the procurement of one (1) low level surveillance radar to cover existing blind spots at San Clemente. FY2001 funding supported final integration at SOCAL.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment						P-1 ITEM NOMENCLATURE BLI 420400 WEAPONS RANGE SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$970.0		\$36.3	\$20.3	\$7.7	\$5.9	\$4.7	\$10.1	\$17.4	Cont.	Cont.
<p><u>LATR FREQUENCY CONVERSION TO 433 MHz</u> The LATR was initially delivered with a airborne data link operating at a frequency of 141 MHz. This was found to be operationally unsuitable for the Southern California Off Shore Range due to excessive radio frequency interference. Converting the down link frequency to 433 MHz was found to resolve the problem. Subsequent testing at the Virginia Capes (VACAPES) LATR revealed that performance was significantly improved there by using the 433 MHz frequency. As a result, the VACAPES LATR system is being converted to the 433 MHz frequency. FY2000 funded the conversion of 100 participant instrumentation packages (PIPs) for the VACAPES LATR.</p> <p><u>LATR INTEGRATION FACILITY</u> The existing Software Support Activity (SSA) Facility cannot fully support the development and testing for LATR. The FY01 and FY02 funds will provide upgrades to rehost the LATR Ground System subsystems from non-supportable Hewlett Packard hardware to desktop computer platform and provide full capability for development and testing at the LATR SSA.</p> <p><u>PACIFIC MISSILE RANGE FACILITY (PMRF) UPGRADES</u> Congressional increases of \$10.0 million in FY99 and \$5.0 million in FY2000 have been provided for training range instrumentation upgrades to the PMRF. FY2001 Congressional increase of \$10.5M will be utilized for a third MRES for PMRF (\$7.5M) and training range instrumentation upgrades (\$3.0M). FY2002 Congressional increase of \$5.1M will be utilized for training range instrumentation upgrades.</p>											

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: February 2002					
P-40a											
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM		NOMENCLATURE					
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment				WEAPONS RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
Electronic Warfare											
MRES											
QUANTITY		2	1								3
COST (In Thousands)		12,275	7,286								19,561
Naval Air Strike and Air Warfare Center											
QUANTITY			VAR								VAR
COST (In Thousands)			5,000								5,000
THREAT RADAR UPGRADE (FALLON)											
QUANTITY											
COST (In Thousands)											
EW THREAT SYSTEMS											
QUANTITY											
COST (In Thousands)											
MRES SPARES											
QUANTITY			VAR								VAR
COST (In Thousands)			214								214
MRES (Fallon)											
QUANTITY				1							1
COST (In Thousands)				5,300							5,300
SRAM											
QUANTITY		VAR	VAR	VAR	VAR						
COST (In Thousands)		54,173	4,255	3,942	3,371						CONT
TACTS/LWTC Datalink											
QUANTITY		2									2
COST (In Thousands)		1027									1,027
UNDERWATER RANGES											
SWTR (EC)											
QUANTITY		1-PHASE-1									
COST (In Thousands)		14,478									14,478
SWTR (WC)											
QUANTITY											
COST (In Thousands)											
PORTABLE UNDERWATER TRAINING RANGE											
QUANTITY											1
COST (In Thousands)											1,600

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS						DATE: February 2002					
P-40a											
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE							
OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment				WEAPONS RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
COMM UPGRADES		787									787
ITCS UPGRADES											
QUANTITY			2		1						3
COST (In Thousands)			500		300						800
FALLON COMMUNICATION UPGRADE											
QUANTITY			1								1
COST (In Thousands)			565								565
COST (In Thousands)											
AN/FPS-67A RADAR REPLACEMENT (AFWTF)											
QUANTITY				1							1
COST (In Thousands)				2,800							2,800
JTCTS											
JTCTS 1/			3,434								3,434
Mobile Core/2 Debrief											
QUANTITY											
COST (In Thousands)											
Fixed Core/2 Debrief											
QUANTITY											
COST (In Thousands)											
ECP Retrofit											
LASR SCORE											
QUANTITY		1									1
COST (In Thousands)		1,650									1,650
LATR SYSTEM		4,226									4,226
LATR FREQ CONV TO 433MHz											
QUANTITY		147									147
COST (In Thousands)		2500									2,500
LATR INTEGRATION FACILITY											
QUANTITY			1	1							2
COST (In Thousands)			200	200							400
PMRF UPGRADES											
QUANTITY		VAR	VAR	VAR							
COST (In Thousands)		15,000	3,000	5,100							23,100
QUANTITY (MRES)			1								1
COST (In Thousands)			7,500								7,500
OTHER COSTS		863,926	4,338	2,952	4,062					CONT	CONT
1/ \$5M Congressional plus-up for JTCTS was placed on OMNIBUS reprogramming request, but the request was denied on 28 Sep 2001 by the HAC, DoD Serial Number: FY 01-30 PA.											
\$1.6M was rescinded and the remaining \$3.434M was placed on OSD withhold.											
TOTAL FUNDING		970,042	36,292	20,294	7,733	0	0	0	0	CONT	CONT

WEAPONS SYSTEM COST ANALYSIS P-5				WEAPONS SYSTEM						DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT								
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2001			FY 2002			FY2003			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
			SC002	ELECTRONIC WARFARE		12,275	1	7,286	7,286				
	MRES												
	NAVAL AIR STRIKE AND AIR WARFARE			VAR	VAR	5,000							
	MRES (Fallon)						1	5,300	5,300				
SC003	MRES SPARES			VAR	VAR	214							
SC004	SRAM		54,173	VAR	VAR	4,255	VAR	VAR	3,942	VAR	VAR	3,371	
SC007	TACTS/LWTC DATALINK		1,027										
SC012	SHALLOW WATER TRNG RANGE												
	SWTR (EC)		14,478										
	SWTR (WC)												
SC018	COMMUNICATION UPGRADES		787										
	ITCS UPGRADE			2	250	500				1	300	300	
	FALLON COMM UPGRADE			1	565	565							
	AN/FPS-67A RADAR REPLACEMENT (AFWTF)						1	2,800	2,800				
SC020	JTCTS JTCTS 1/ ECP Retrofit					3,434							

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5			WEAPONS SYSTEM									DATE: February 2002
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT								
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2001			FY2002			FY2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC021	LASR	N/A	1,650									
SC034	LATR SYSTEM		4,226									
	LATR FREQ CONVERSION TO 433 MHZ		2,500									
	LATR INTEGRATION FACILITY			1	200	200	1	200	200			
SC700	PMRF CONGRESSIONAL ADD	N/A	15,000									
	PMRF MRES	N/A		1	7,500	7,500						
	PMRF UPGRADES			VAR	VAR	3,000	VAR	VAR	5,100			
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	82,559			3,111			2,400			1,349
SC860	ACCEPTANCE TEST & EVALUATION	N/A	7,087			124			118			350
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	9,448			728			284			1,993
SC971	ILS, OTHER RANGES	N/A	32,680			375			150			370
	VARIOUS 2/		732,152									
1/ \$5M Congressional plus-up for JTCTS was placed on OMNIBUS reprogramming request, but the request was denied on 28 Sep 2001 by the HAC, DoD Serial Number: FY 01-30 PA. \$1.6M was rescinded and the remaining \$3.434M was placed on OSD withhold.												
2/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.												
			970,042			36,292			20,294			7,733

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			February 2002		
Other Procurement, Navy						WEAPONS RANGE SUPPORT EQUIPMENT			SUBHEAD 43SC		
BA-3 AVIATION SUPPORT EQUIPMENT											
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	
<u>SC002 MRES</u>											
1998	1	4,867	NAVAIR	8/98	FFP	AMHERST	03/99	03/02	YES	N/A	
1999	1	2,208	NAVAIR	N/A	FFP/OPTION	AMHERST	08/99	05/02	YES	N/A	
2000	1	5,200	NAVAIR	N/A	FFP/OPTION	AMHERST	06/00	07/02	YES	N/A	
2001	1	7,286	NAVAIR	N/A	FFP/OPTION	AMHERST	06/01	06/03	YES	N/A	
2002	1	5,300	NAVAIR	5/02	FFP/OPTION	Northrop/Grumman/Amherst	07/02	07/04	YES	N/A	
<u>SC003 MRES SPARES</u>											
2001	VAR	VAR	NAVAIR	N/A	FFP/OPTION	AMHERST	06/01	06/03	YES	N/A	
<u>SC004 SYS REPL & MOD</u>											
2002	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	*	08/02	YES	N/A	
2003	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	*	08/03	YES	N/A	
D. REMARKS											
*SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 30 APRIL of current FY.											

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) AVIATION SUPPORT EQUIPMENT					Weapon System		A. DATE February 2002				
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					SUBHEAD 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	
<u>SC018 COMM UPGRADES</u>											
2003 ITCS UPGRADES	1	300	NAVAIR	N/A	FFP/OPTION	MICROSYSTEMS	01/03	10/03	YES	N/A	
2001 FALLON COMM UPGRADE	1	565	SPAWARSYSCEN	12/00	FFP	TBD	04/01	12/01	YES	N/A	
2002 AN/FPS-67A RADAR REPLAC(AFWTF)	1	2,800	SPAWARSYSCEN	N/A	PX	SPAWARSYSCEN	01/02	12/02	YES	N/A	
<u>SC034 LATR SYSTEM</u>											
2002 LATR INTEGRATION FACILITY	1	200	NAWCADPAX	N/A	PX	NAWCADPAX	11/01	05/02	N/A	N/A	
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 2002

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE

BLI 420800

EXPEDITIONARY AIRFIELDS

/ 43SE

Program Element for Code B Items:

Not Applicable

Other Related Program Elements

	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Complete	Total
QUANTITY												
COST (In Millions)	\$137.5	A	\$3.2	\$7.4	\$7.5	\$7.7	\$7.9	\$8.0	\$8.2		Continuing	Continuing

EXPEDITIONARY AIRFIELDS (EAF)

This program provides for procurement of aircraft recovery equipment, landing mat and accessories, airfield lighting, and Visual Landing Aids for Naval Aviation Expeditionary Airfields (EAF).

This core funding level directly supports the procurement and fielding of operational expeditionary airfield systems in the three active duty Marine Aircraft Wings and one Reserve Marine Aircraft Wing, testing and training installations, and provides assets for use by the Marine Expeditionary Forces during contingency operations.

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 2001 budget provided for service change kit procurements for Minimum Operating Strip Lighting Systems (MOSLS), Minimum Operating Strip Kits (MOSKIT) and Supplementary Airfield Lighting Systems Kits (SALKIT), Production Engineering (PE), and Integrated Logistics Support (ILS) for EAF procurement products.

The FY 2002 budget request provides for service change kit procurements for MOSLS, SALKIT and Cable Kits (CABKIT), M-31 Mobile Arresting Gear, PE, ILS, and Acceptance Test and Evaluation (AT&E) for EAF procurement products.

The FY 2003 budget request provides for service change kit procurements for AM2 Mat, MOSLS CABKIT, M-31 Mobile Arresting Gear, PE, ILS, and AT&E for EAF procurement products.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS / 43SE BLI 420800				
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
Service Change Kits	A	\$16.2			\$0.4	\$1.0	\$0.9	\$7.7	\$7.8	Continuing	Continuing
AM-2 Mat	A										
QUANTITY		3163			49	120	117	910	894	Continuing	Continuing
COST (In Millions)		(\$11.3)			(\$0.4)	(\$1.0)	(\$0.9)	(\$7.1)	(\$7.2)		
Flatrack	A										
QUANTITY		785						100	100	Continuing	Continuing
COST (In Millions)		(\$4.9)						(\$0.6)	(\$0.6)		
MOSLS	A	\$6.6	\$2.9	\$1.9	\$0.5						\$11.9
MOSKIT											
QUANTITY		22	6								28
COST (In Millions)		(\$2.8)	(\$0.8)								(\$3.6)
SALKIT											
QUANTITY		26	14	2							42
COST (In Millions)		(\$3.8)	(\$2.1)	(\$0.3)							(\$6.2)
CABKIT											
QUANTITY				7	2						9
COST (In Millions)				(\$1.6)	(\$0.5)						(\$2.1)
M-31 Mobile Arresting Gear	A										
QUANTITY				5	7	7	7				26
COST (In Millions)				\$5.4	\$6.4	\$6.5	\$6.7				(\$25.1)
Other Costs	A	\$16.9	\$0.3	\$0.1	\$0.3	\$0.3	\$0.3	\$0.3	\$0.3	Continuing	Continuing
Various 1/	A	\$97.8									
Total Funding		\$137.5	\$3.2	\$7.4	\$7.5	\$7.7	\$7.9	\$8.0	\$8.2	Continuing	Continuing

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond, PE, and ILS.
2/ Totals may not add due to rounding.

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI 420800 EXPEDITIONARY AIRFIELDS / 43SE								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001		FY 2002			FY 2003						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SE010	Service Change Kits	A	16,183												
	AM-2 Mat		(11,304)									49	8	(392)	
	Flatrack		(4,879)												
SE010	MOSLS	A	6,602			2,924			1,941					478	
	MOSKIT	A	(2,788)	6	133	(800)									
	SALKIT	A	(3,814)	14	155	(2,124)	2	155	(310)						
	CABKIT	A					7	233	(1,631)	2	239	(478)			
SE210	M-31 Mobile Arresting Gear	B					5	907	4,533	7	915	6,405			
	M-31 Mobile Arresting Gear Refurbishment for 2 EDM Units						2	418	835						
SE800	Integrated Logistics Support		3,828			143			91			152			
SE830	Production Engineering		13,133			136			45			113			
SE860	Acceptance Test & Evaluation														
	Various 1/		97,824												
			137,570			3,203			7,445			7,540			

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5										Weapon System				DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment										ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI 420800 EXPEDITIONARY AIRFIELDS / 43SE							
COST CODE	ELEMENT OF COST																	
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total		
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost	
SE010	<u>Service Change Kits</u>			960			925			7,700			7,843	Continuing	Continuing	Continuing	Continuing	
	AM-2 Mat	120	8	(960)	117	8	(925)	910	8	(7,100)	894	8	(7,223)	Continuing	Continuing	Continuing	Continuing	
	Flatrack							100	6	(600)	100	6	(620)	Continuing	Continuing	Continuing	Continuing	
SE010	<u>MOSLS</u>																11,945	
	MOSKIT															28	(3,588)	
	SALKIT															42	(6,248)	
	CABKIT															9	(2,109)	
SE210	M-31 Mobile Arresting Gear	7	926	6,482	7	951	6,660									26	24,080	
	M-31 Mobile Arresting Gear Refurbishment															2	835	
SE800	Integrated Logistics Support			160			163			159			161		Continuing	Continuing	Continuing	
SE830	Production Engineering			99			88			155			178		Continuing	Continuing	Continuing	
SE860	Acceptance Test & Evaluation			17			31								Continuing	Continuing	Continuing	
	Various 1/																97,824	
				7,718					7,867					8,014				
														8,182	Continuing	Continuing	Continuing	

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE		
								February 2002		
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
Other Procurement, Navy					BLI 420800					
BA3 - Aviation Support Equipment					EXPEDITIONARY 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	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2002										
MOSLS - SALKIT	2	155	NAWCADLKE	Dec-97	FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-01	Jun-02	Yes	NA
MOSLS - CABKIT	7	233	NAWCADLKE	Dec-00	FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-01	Dec-02	No	NA
M-31 Arresting Gear	5	907	NAWCADLKE	Dec-97	FPI(ST)	ESCO - Aston, PA	Mar-02	Mar-03	Yes	Mar-02
M-31 Arresting Gear Refurbishment	2	418	NAWCADLKE	Dec-97	FPI(ST)	ESCO - Aston, PA	Mar-02	Sep-02	Yes	Mar-02
FY 2003										
AM-2 MAT	49	8	NAWCADLKE	Apr-02	Option-FFP	TBD	Nov-02	Apr-03	Yes	N/A
MOSLS - CABKIT	2	239	NAWCADLKE	Dec-01	Option-FFP	*TBD	Dec-02	Dec-03	No	NA
M-31 Arresting Gear	7	915	NAWCAD LKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Nov-02	Nov-03	Yes	Mar-02
D. REMARKS										
* Contractor has not been selected; several contractors being reviewed for selection.										

CLASSIFICATION:

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3				Date: February 2002	
P-1 ITEM NOMENCLATURE Expeditionary Airfields BLI 420800		Admin Leadtime (after Oct 1): 1 Month				Production Leadtime: 12 Months	
SE210 M-31 Arresting Gear	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary		5	7	7	7		
Unit Cost		907	915	926	951		
Total Cost		4,533	6,405	6,482	6,660		
Asset Dynamics							
Beginning Asset Position			2	7	14	21	28
Deliveries from all prior year funding							
Deliveries from FY 2001 funding							
Deliveries from FY 2002 funding			5				
Deliveries from FY 2003 funding				7			
Deliveries from subsequent years' funding					7	7	
Other Gains		2					
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
End of Year Asset Position		2	7	14	21	28	28
Inventory Objective or Current Authorized Allowance	28	28	28	28	28	28	28
Inventory Objective 28	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)	Vehicles Eligible for FY 2002 Replacement:	Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01	Vehicles Eligible for FY 2003 Replacement:	PAA: TAI	
WRM Rqmt:	FY 2000:	FY 2000:		FY 2000:	Vehicle Augment:	Attrition Res:	
Pipeline:	FY 1999:	FY 1999:		FY 1999:		BAI	
Other:	FY 1998:	FY 1998:		FY 1998:		Inactive Inv:	
TOTAL:							Storage:
Remarks: Administrative leadtime is 6 Months for FY2002 and 1 Month for the outyears since first year of production for M-31 Arresting Gear is FY2002. The contract method for the outyears is with options resulting in a shorter administrative leadtime.							

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET					DATE: FEBRUARY 2002							
P-40												
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE								
Other Procurement, Navy/BA-3 - Aviation Support Equipment				BLI 421400								
				A/C Rearming Equipment - 43SH								
Program Element for Code B Items:				Other Related Program Elements								
	Prior Years	ID Code		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)	\$312.8	A		\$10.2	\$12.1	\$11.9	\$12.2	\$12.3	\$12.6	\$12.8	Continuing	Continuing
<p>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.</p> <p>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.</p> <p>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.</p> <p>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 ADU-722/E Hoist Adapter, the MHU-151/M Trailer, and the Next Generation Munitions Handler (shipboard).</p>												

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P40a								DATE: FEBRUARY 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment						P-1 ITEM NOMENCLATURE A/C Rearming Equipment- 43SH						
						BLI 421400						
Procurement Items	ID Code	Prior Years		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TO COMPLETE	TOTAL
1. LALS II	A	44,714										44,714
Qty		270										270
2. HLU-196D/E Bomb Hoist	A	1,263		5,897	6,217	5,426						18,803
Qty		3		199	199	165						566
4. Cycling Adapter	A	848										848
Qty		48										48
5. A/M32K-4A Mun Trlr	A	18,585		1,575	2,060	627			270	3,264	5,472	31,853
Qty		1235		74	103	32			13	156	260	1,873
6. ADU-699A/E Sonobuoy Adptr	A			200		950	363					1,513
Qty				4		76	29					109
7. ADU-433/434 Adapter	A	1,466				900	666					3,032
Qty		502				300	222					1,024
8. ADU-514/A/E Missile Adptr	A				829	583						1,412
Qty					415	293						708
9. Next Generation Handler(ship)	A									2,100	28,200	30,300
Qty										3	141	144
10. A/M32U-13B Maint Trlr	A			420								420
Qty				14								14
11. ADU-722/E Hoist Adptr	A			39								39
Qty				394								394
SUB TOTAL		66,876		8,131	9,106	8,486	1,029	0	270	5,364	33,672	

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P40a							DATE: FEBRUARY 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment					P-1 ITEM NOMENCLATURE BLI 421400 A/C Rearming Equipment- 43SH							
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TO COMPLETE	TOTAL	
12. A/F32K-1A Bomb Table	A			520							520	
Qty				26							26	
13. AERO-91A Adapter	A					240	240				480	
Qty						600	600				1200	
14. LME	A					295					295	
Qty						27					27	
15. MHU-151/M Trailer	A				251	264	570				1,085	
Qty					17	18	38				73	
16. AERO-74A Adapter	A					1,729	3,400	3,684			8,813	
Qty						230	453	491			1174	
17. ADU-400/E Adapter	A			494							494	
Qty				13							13	
18. A/S32K-1D CILOP	A				1,212	3,239	3,380	3,420	2,120		13,371	
Qty					31	81	85	86	53		336	
19. Aero-51B Trailer	A					2,000	2,000	2,000	2,000	2000	10,000	
Qty						100	100	100	100	100	500	
20. MHU-185/M Trailer	A					450					450	
Qty						30					30	
21. MHU-191/M (ECP)	A						570				570	
Qty							3,000				3,000	
22. MHU-191/M Drawbar	A							1,000	1,000		2,000	
Qty								1,000	1,000		2,000	
23. ADU-829/E Adapter	A					570					570	
Qty						570					570	
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY2000 and beyond.												
SUB TOTAL		57,163		8,131	10,120	9,949	9,816	10,160	10,374	10,484	Continuing	Continuing
Other		245,918		2,092	1,973	1,945	2,364	2,164	2,247	2,364	Continuing	Continuing
TOTAL		303,081		10,223	12,093	11,894	12,180	12,324	12,621	12,848	Continuing	Continuing

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: FEBRUARY 2002							
APPROPRIATION/BUDGET ACTIVITY				ID Code		BLI 421400									
OTHER PROCUREMENT, NAVY/BA-3 - Aviation Support Equipment				A		A/C Rearming Equipment - 43SH									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SH004	Shipboard/Shorebased AWSE														
	1. LALS II	A	44,714												
	2. HLU-196D/E Bomb Hoist	A	1,263	199	29.63	5,897	199	31.24	6,217	165	32.89	5,426			
	4. Cycling Adapter	A	848												
	5. A/M32K-4A Munitions Trailer	A	18,585	74	21.28	1,575	103	20.00	2,060	32	19.59	627			
	6. ADU-699A/E Sonobuoy Adapter	A		4	50.00	200				76	12.50	950			
	7. ADU-433/434 Adapter	A	1,466							300	3.00	900			
	8. ADU-514A/E Missile Adapter	A					415	2.00	829	293	1.99	583			
	10. A/M32U-13B Maint Trailer	A		14	30.00	420									
	11. ADU-722/E Hoist Adapter	A		394	0.10	39									
	12. A/F32K-1A Bomb table	A					26	20.00	520						
	15. MHU-151/M Trailer	A								17	14.76	251			
	17. ADU-400/E Adapter	A					13	38.00	494						
	18. A/S32K-1D CILOP	A								31	39.10	1,212			
	Production Engineering		25,037			1,692			1,553			1,475			
SH830	Acceptance Test and Evaluation		3,812			400			420			470			
SH860	Other*		217,069												
			312,794						10,223			12,093			11,894

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5					Weapon System							DATE: FEBRUARY 2002		
APPROPRIATION/BUDGET ACTIVITY					ID Code		BLI 421400							
OTHER PROCUREMENT, NAVY/BA-3 - Aviation Support Equip					A		A/C Rearming Equipment - 43SH							
COST CODE	ELEMENT OF COST	ID Code	FY 2004			FY 2005			FY 2006			FY 2007		
			Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
			SH004	Shipboard/Shorebased AWSE										
	5. A/M32K-4A Munitions Trailer	A							13	20.77	270	156	20.92	3,264
	6. ADU-699A/E Sonobuoy Adapter	A	29	12.52	363									
	7. ADU-433/434 Adapter	A	222	3.00	666									
	9. Next Generation Munitions Handler-Ship	A										3	700.00	2,100
	13. AERO 91A Adapter	A	600	0.40	240	600	0.40	240						
	14. LME	A	27	10.93	295									
	15. MHU-151/M Trailer	A	18	14.66	264	38	15.00	570						
	16. AERO 74A Adapter	A	230	7.52	1,729	453	7.50	3,400	491	7.51	3,684			
	18. A/S32K-1D CILOP	A	81	39.99	3,239	85	39.77	3,380	86	39.77	3,420	53	40.00	2,120
	19. AERO-51B Trailer	A	100	20.00	2,000	100	20.00	2,000	100	20.00	2,000	100	20.00	2,000
	20. MHU-185/M Trailer	A	30	15.00	450									
	21. MHU-191/M Drawbar ECP	A				3,000	0.19	570						
	22. MHU-191M Drawbar	A							1,000	1.00	1,000	1,000	1.00	1,000
	23. ADU-829/E Adapter	A	570	1.00	570									
SH830	Production Engineering				1,836			1,633			1,658			1,776
SH860	Acceptance Test and Evaluation				528			531			589			588
	Other*													
					12,180			12,324			12,621			12,848

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE FEBRUARY 2002		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE A/C Rearming Equipment - 43SH			BLI 421400 SUBHEAD 43SH		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
HLU-196D/E Bomb Hoist FY 2002	199	31.24	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	12/01	10/02	Yes	
FY 2003	165	32.89	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	12/02	10/03	Yes	
A/M32K-4A Munitions Trailer FY 2002	103	20.00	NAWC Lakehurst		FP/OPTION	GSMI	12/01	11/02	Yes	
FY 2003	32	19.59	NAWC Lakehurst		FP/OPTION	GSMI	12/02	11/03	Yes	
ADU-699A/E Adapter FY 2001	4	50.00	NAWC Lakehurst	05/00	C/FFP	D.E. TECHNOLOGIES	03/01	1/02	Yes	
FY 2003	76	12.50	NAWC Lakehurst		FP/OPTION	KING OF PRUSSIA, PA	12/02	10/03	Yes	
ADU-514A/E Missile Adapter FY 2002	415	2.00	NAWC Lakehurst	09/01	C/FFP	TBD	03/02	2/03	Yes	
FY 2003	293	1.99	NAWC Lakehurst	09/02	FP/OPTION	TBD	12/02	11/03	Yes	
D. REMARKS										

12.848

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE FEBRUARY 2002			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE A/C Rearming Equipment				BLI 421400 SUBHEAD 43SH		
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE	
SH004											
A/F32K-1A Bomb Table FY 2002	26	20.00	NAWC Lakehurst	09/01	C/FFP	TBD	03/02	02/03	Yes		
ADU-400/E Adapter FY 2002	13	38.00	NAWC Lakehurst	06/01	C/FFP	TBD	03/02	02/01/03	Yes		
MHU-151/M Trailer FY 2003	17	14.76	NAWC Lakehurst	06/01	C/FFP	TBD	12/02	11/03	Yes		
A/S32K-1D CILOP FY 2003	31	39.10	NAWC Lakehurst	06/01	C/FFP	TBD	12/02	11/03	Yes		
ADU-433/434 Adapter FY 2003	300	3.00	NAWC Lakehurst	TBD	C/FFP	TBD	TBD	TBD	Yes		
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/ BA-3 Aviation Support Equipment				Date: FEBRUARY 2002		
P-1 ITEM NOMENCLATURE	BLI 421400	Admin Leadtime (after Oct 1): 3 months				Production Leadtime: 11 months		
HLU-196D/E Bomb Hoist								
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary		199	199	165				
Unit Cost		29.63	31.24	32.89				
Total Cost		5,897	6,217	5,426				
Asset Dynamics								
Beginning Asset Position		3	3	153	401			
Deliveries from all prior year funding								
Deliveries from FY 2001 funding			150	49				
Deliveries from FY 2002 funding				199				
Deliveries from FY 2003 funding					165			
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position								
Inventory Objective or Current Authorized Allowance		3	153	401	566			
Inventory Objective		566	566	566	566			
Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:	FY 1996:			BAI	
Other:	FY 1995:	FY 1995:	FY 1995:	FY 1995:			Inactive Inv:	
TOTAL:							Storage:	
Remarks:								

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET							DATE:				
P-40							February 2002				
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT							BLI:421600				
Program Element for Code B Items:							Other Related Program Elements				
0204261N, 0204112N, and 0204161N							RDT&E, 0603512N, 0604512N				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$605.1		\$36.1	\$27.1	\$19.4	\$20.9	\$22.4	\$32.8	\$34.1	CONTINUING	CONTINUING
<p>This program provides for procurement of major aircraft Launch, Recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:</p> <ol style="list-style-type: none"> (1) urgent fleet problems associated with the safe and reliable operation of existing equipment; (2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and; (3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety. <p>Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements.</p> <p>The FY 2001 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 ADMACS / ISIS, IFLOLS, PE, ILS, ATE, and FMP/NFMP installations for FY 2000 and prior years procurements.</p> <p>The FY 2002 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 IFLOLS, PE, ILS, ATE, and FMP/NFMP installations for FY 2001 and prior years procurements.</p> <p>The FY 2003 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 IFLOLS, MORIAH, VISUAL, PE, ILS, ATE, and FMP/NFMP installations for FY 2002 and prior years procurements.</p>											

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:	
P-40a										February 2002	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY						AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)					
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
SERVICE CHANGE KITS		80.6	4.0	7.2	3.5	7.7	8.1	9.4	7.3	Continuing	Continuing
Various 1/	A										
QUANTITY											
COST (In Millions)		357.4									143.8
LRLS - CV(N)	A										
QUANTITY		10									10
COST (In Millions)		2.2									2.2
LRLS - Shore	A										
QUANTITY		4									4
COST (In Millions)		0.6									0.6
ADMACS-ISIS CV(N)	A										
QUANTITY		3	3								6
COST (In Millions)		6.3	6.5								12.9
IFLOLS - CV(N)	A										
QUANTITY		10									10
COST (In Millions)		11.6	0.1								11.8
IFLOLS - Shore	A										
QUANTITY		3	8	6	3						20
COST (In Millions)		2.3	4.1	3.0	1.5						10.8

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:	
P-40a										February 2002	
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE						
OTHER PROCUREMENT, NAVY					AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)						
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
MORIAH - CV(N)											
QUANTITY	A					2	2	4	2		10
COST (In Millions)						0.8	0.8	1.6	0.8		4.1
MORIAH - L											
QUANTITY	A					2	1	1	1	7	12
COST (In Millions)						0.5	0.2	0.2	0.2	1.7	2.9
MORIAH - Shore											
QUANTITY	A					3					3
COST (In Millions)						0.2					0.2
VISUAL - CV(N)&L											
QUANTITY	A					1	1	7	7	9	25
COST (In Millions)						2.2	1.9	10.5	11.2	14.4	40.2
VISUAL - Shore											
QUANTITY							2				2
COST (In Millions)							0.8				0.8
ILS											
QUANTITY											
COST (In Millions)		5.3	0.7	0.7	0.7	1.3	0.4	0.8	0.7	Continuing	Continuing
PE											
QUANTITY											
COST (In Millions)		18.0	2.6	1.7	1.1	2.6	1.5	2.2	2.0	Continuing	Continuing
ATE											
QUANTITY											
COST (In Millions)		1.4	0.1	0.3				0.0	0.1		
Installation - NFMP											
QUANTITY											
COST (In Millions)		85.1	7.5	9.5	9.8	4.6	5.1	4.5	3.8	Continuing	Continuing
Installation - FMP											
QUANTITY											
COST (In Millions)		34.4	10.6	4.8	2.8	1.1	3.6	3.5	7.9	Continuing	Continuing
Transfer to NAVSEA											
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.											
TOTAL		605.1	36.1	27.1	19.4	20.9	22.4	32.8	34.1	Continuing	Continuing

CLASSIFICATION:

*Acceptance Test and Evaluation funding is less than \$50K for FY2001 & FY2003

** Totals may not add due to rounding

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CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS				Weapon System				DATE:							
P-5								February 2002							
APPROPRIATION/BUDGET ACTIVITY				ID Code				P-1 ITEM NOMENCLATURE/SUBHEAD							
Other Procurement, Navy															
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT								AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SJ040	<u>Service Change Kits</u>	A	80,605			3,982			7,212			3,519			
	LAUNCHER														
	Catapults - CV(N)					2,049			4,152			2,235			
	VISUAL LANDING AIDS														
	Visual Landing Aids - CV(N)								481			337			
	Visual Landing Aids - ACS								1,070						
	RECOVERY														
	Arresting Gear - CV(N)					1,082			930			748			
	Helicopter Landing System (HLS) - ACS					851			579			199			
N/A	Various 1/		357,390												
SJ210	LRLS - CV(N)	A	2,230												
SJ220	LRLS - Shorebased	A	612												
SJ230	ADMACS / ISIS - CV(N)	A	6,321	3	2,177	6,530									
SJ240	IFLOLS - CV(N)	A	11,642			112									
SJ250	IFLOLS - Shorebased	A	2,266	8	507	4,059	6	500	3,000	3	500	1,500			
TBD	Moriah - CV(N)	A													
TBD	Moriah - L Class	A													
TBD	Moriah - Shorebased	A													
TBD	VISUAL - CV(N) & L Class	A													
TBD	VISUAL - Shorebased	A													
SJ800	Integrated Logistics Support		5,258			739			652			682			
SJ830	Production Engineering		17,976			2,569			1,668			1,085			
SJ860	Acceptance, Test & Evaluation		1,364			55			342						
SJ900	Installation - NFMP		85,075			7,478			9,458			9,816			
SJ910	Installation - FMP		34,351			10,568			4,783			2,753			
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.														
			605,090			36,092			27,115			19,355			

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WEAPONS SYSTEM COST ANALYSIS P-5		Weapon System										DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT		ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ													
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SJ040	Service Change Kits			7,666			8,068			9,447			7,274		CONTINUING	CONTINUING	
	LAUNCHER Catapults - CV(N)			816			797			1,914			1,669		CONTINUING CONTINUING	CONTINUING CONTINUING	
	VISUAL LANDING AIDS Visual Landing Aids - CV(N) Visual Landing Aids - ACS			768 1,254			412 383			412 396			410 394		CONTINUING CONTINUING	CONTINUING CONTINUING	
	RECOVERY Arresting Gear - CV(N) Helicopter Landing System (HLS) - ACS			4,345 483			6,346 130			6,658 67			4,321 480		CONTINUING CONTINUING	CONTINUING CONTINUING	
N/A	Various 1/																
SJ210	LRLS - CV(N)															10	2,230
SJ220	LRLS - Shorebased															4	612
SJ230	ADMACS / ISIS - CV(N)															6	12,851
SJ240	IFLOLS - CV(N)															10	11,754
SJ250	IFLOLS - Shorebased															20	10,825
TBD	Moriah - CV(N)	2	411	822	2	411	822	4	411	1,644	2	411	822			10	4,110
TBD	Moriah - L Class	2	241	482	1	241	241	1	241	241	1	241	241	7	1,687	12	2,892
TBD	Moriah - Shorebased	3	75	225												3	225
TBD	VISUAL - CV(N) & L Class	1	2,192	2,192	1	1,888	1,888	7	1,500	10,500	7	1,600	11,200	9	14,400	25	40,180
TBD	VISUAL - Shorebased				2	403	806									2	806
SJ800	Integrated Logistics Support			1,281			383			784			695		CONTINUING	CONTINUING	
SJ830	Production Engineering			2,562			1,523			2,159			2,041		CONTINUING	CONTINUING	
SJ860	Acceptance, Test & Evaluation									35			65				CONTINUING
SJ900	Installation - NFMP			4,568			5,111			4,515			3,830		CONTINUING	CONTINUING	
SJ910	Installation - FMP			1,073			3,578			3,512			7,911		CONTINUING	CONTINUING	
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 2000 and beyond.																
				20,871			22,420			32,837			34,079		CONTINUING		CONTINUING

CLASSIFICATION:

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B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				A. DATE	
Other Procurement, Navy OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT					AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)				February 2002	
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 2001										
SJ230 ADMACS / ISIS	3	2,177	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE***	12/00	1/02	Yes	N/A
SJ250 IFLOLS - Shorebased	8	507	NAWCAD PAX	Not Applicable	FFP	Raytheon Systems Company Indianapolis, IN	3/01	9/02	Yes	N/A
FY 2002										
SJ250 IFLOLS - Shorebased	6	500	NAWCAD PAX	Not Applicable	FFP	Raytheon Systems Company Indianapolis, IN	12/01	4/03	Yes	N/A
FY 2003										
SJ250 IFLOLS - Shorebased	3	500	NAWCAD PAX	Not Applicable	FFP	Raytheon Systems Company Indianapolis, IN	12/02	4/04	Yes	N/A
D. REMARKS										
***NAWCAD LKE performs system procurement and integration of these components to create ADMACS/ISIS.										

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: C13-2 Catapult TYPE MODIFICATION: Reliability/Maintainability MODIFICATION TITLE: Improved Piston S/C 633

DESCRIPTION/JUSTIFICATION:
 S/C 633
 Replaces existing C13-2 catapult pistons with an improved design and titanium material which extends service life and decreases maintenance man-hours. This is a Type Commander funded installation supported by Lakehurst. This will be an "o" level install.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Production/Installation

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS	14	5.756	8	2.049	5	3.422														27	11.227
INSTALLATION KITS - UNIT COST		0.411		0.256		0.684															0.416
INSTALLATION KITS NONRECURRING							0.630		0.200												0.830
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.191		0.018																	0.209
PE		0.379		0.069		0.025		0.015													0.488
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP			4		4	0.015	8	0.015	11	0.015										27	0.045
TOTAL PROCUREMENT		6.326		2.136		3.462		0.660		0.215											12.799

* Quantities were purchased through economic price adjustments provided for procurement of improved pistons. Different unit prices are due to different configurations on hulls. Procurement funding for FY00-02 primarily supports contractor hardware efforts. FY03 and FY04 includes integration, verification, and kiting inhouse efforts which must be performed after the contractor delivers the materials, and before the units can be delivered to the fleet.

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: LAUNCHER-VARIOUS

DESCRIPTION/JUSTIFICATION:

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 in all years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RD&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS		23.156			0.730		1.605		0.616		0.797		1.914		1.669		3.416				33.903
INSTALLATION KITS - UNIT COST																					
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.869			0.020		0.010				0.020		0.250		0.235		0.020				1.424
PE		2.254		0.007	0.050		0.050		0.015		0.070		0.693		0.832		0.055				4.026
ATE		0.209		0.010	0.225								0.035		0.065						0.544
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP		56.615		2.904	4.183		3.605		0.662		0.500		0.740		1.003		0.356				70.568
TOTAL PROCUREMENT		83.103		2.921	5.208		5.270		1.293		1.387		3.632		3.804		3.847				110.465

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS

MODIFICATION TITLE: LAUNCHER-VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: _____

ADMINISTRATIVE LEADTIME: _____

PRODUCTION LEADTIME: _____

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		1.323		0.493		0.700		0.045		0.015				0.015		0.038		0.051		2.680
PRIOR YEARS		55.292		2.411		2.872		2.775												63.350
FY 2001 EQUIPMENT																				
FY 2002 EQUIPMENT						0.611		0.640												1.251
FY 2003 EQUIPMENT								0.145		0.647										0.792
FY 2004 EQUIPMENT											0.500									0.500
FY 2005 EQUIPMENT													0.500							0.500
FY 2006 EQUIPMENT													0.225		0.740					0.965
FY 2007 EQUIPMENT															0.225		0.305			0.530
TO COMPLETE																				
INSTALL COST - Non-FMP		56.615		2.904		4.183		3.605		0.662		0.500		0.740		1.003		0.356		70.568

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Mark 7 Mod 2,3,4 TYPE MODIFICATION: Increase Capability MODIFICATION TITLE: S/C 437 Aircraft Recovery Control System

DESCRIPTION/JUSTIFICATION:

This new Aircraft Recovery Control System will accomplish the objectives of the FY01 CVOAG Priority #12 Arresting Gear Improvements CVOAG Air Dept Priority #3 to restore margins of safety to the Mark 7 Arresting Gear System. The new system will also reduce system life cycle cost by reducing "O" level maintenance.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: DT 2nd Qtr - FY03; MS B planned for 2nd Qtr-FY02

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
RDT&E		0.300		1.370		5.344		7.595		1.100											
PROCUREMENT																					
INSTALLATION KITS									5	2.500	12	6.000	8	4.000	8	4.000	26	13.000	59	29.500	
INSTALLATION KITS - UNIT COST										0.500		0.500		0.500		0.500		0.500		0.500	
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS								0.188		0.244		0.100		0.090		0.090		0.200		0.912	
PE								0.060		0.275		0.195		0.170		0.170		0.300		1.170	
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP										0.120	5	0.760	12	1.463	8	0.945	34	3.760	59	7.048	
TOTAL PROCUREMENT								0.248		3.139		7.055		5.723		5.205		17.260		38.630	

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: RECOVERY-VARIOUS

DESCRIPTION/JUSTIFICATION:

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 in all years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: N/A

	<u>FY 2000 & Prior</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>TC</u>		<u>TOTAL</u>		
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RD&E</u>																					
<u>PROCUREMENT</u>																					
INSTALLATION KITS		2.314		1.933		1.509		0.947		2.328		0.476		2.725		0.801		6.699		19.732	
INSTALLATION KITS - UNIT COST																					
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.545		0.179		0.150		0.130		0.138		0.074		0.231		0.212		0.438		2.097	
PE		3.045		0.543		0.559		0.354		0.463		0.326		0.382		0.350		1.003		7.025	
ATE		0.240																			0.240
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP		3.446		2.042		2.526		2.185		1.340		2.021		1.240		1.110		5.640		21.550	
TOTAL PROCUREMENT		9.590		4.697		4.744		3.616		4.269		2.897		4.578		2.473		13.780		50.644	

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: RECOVERY-VARIOUS

INSTALLATION INFORMATION:
 METHOD OF IMPLEMENTATION: _____
 ADMINISTRATIVE LEADTIME: _____

PRODUCTION LEADTIME: _____

CONTRACT DATES: FY 2001: _____ FY 2002: _____ FY 2003: _____
 DELIVERY DATE: FY 2001: _____ FY 2002: _____ FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.263		0.396		0.632		0.706		0.584		0.577		0.601		0.420		0.233		4.412
PRIOR YEARS		3.183		1.586		0.113		0.124												5.006
FY 2001 EQUIPMENT				0.060		1.780		0.488												2.328
FY 2002 EQUIPMENT						0.001		0.575		0.001										0.577
FY 2003 EQUIPMENT								0.292		0.755										1.047
FY 2004 EQUIPMENT											1.444									1.444
FY 2005 EQUIPMENT													0.639							0.639
FY 2006 EQUIPMENT															0.690					0.690
FY 2007 EQUIPMENT																				
TO COMPLETE																		5.407		5.407
INSTALL COST - Non-FMP		3.446		2.042		2.526		2.185		1.340		2.021		1.240		1.110		5.640		21.550

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: VLA VARIOUS

DESCRIPTION/JUSTIFICATION:

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 in all years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: N/A

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RD&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS		2.893			1.551		0.337		2.022		0.795		0.808		0.804		7.514				16.724
INSTALLATION KITS - UNIT COST																					
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.272		0.124		0.047				0.026		0.018		0.018		0.018		0.445			0.968
PE		1.062		0.546		0.458		0.150		0.082		0.064		0.064		0.064		1.562			4.052
ATE		0.105				0.080															0.185
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP		2.909		1.982		2.148		3.251		1.571		1.110		0.772		0.772		11.509			26.024
TOTAL PROCUREMENT		7.241		2.652		4.284		3.738		3.701		1.987		1.662		1.658		21.030			47.953

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: VLA VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: _____

ADMINISTRATIVE LEADTIME: _____

PRODUCTION LEADTIME: _____

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.394		0.184		0.095		0.160		0.114								2.465		3.412
PRIOR YEARS		2.515		1.798		1.343		1.200		0.645										7.501
FY 2001 EQUIPMENT						0.710														0.710
FY 2002 EQUIPMENT								1.891		0.212										2.103
FY 2003 EQUIPMENT										0.600										0.600
FY 2004 EQUIPMENT											1.110									1.110
FY 2005 EQUIPMENT													0.772							0.772
FY 2006 EQUIPMENT															0.772					0.772
FY 2007 EQUIPMENT																	0.172			0.172
TO COMPLETE																		8.872		8.872
INSTALL COST - Non-FMP		2.909		1.982		2.148		3.251		1.571		1.110		0.772		0.772		11.509		26.024

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK-15 MOD 0 - CV(N) TYPE MODIFICATION: NEW CAPABILITIES MODIFICATION TITLE: LRLS MK-15 MOD 0 - CV(N)

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance by providing the pilot with more precise line-up information at a greater range. Ship Alteration numbers 8632 for CVs and 8633 for CVNs apply. Installation of foundation, cabling, and power supply will occur prior to hardware delivery.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: N/A

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		8.820																			8.820
<i>PROCUREMENT</i>																					
INSTALLATION KITS	10	2.230																		10	2.230
INSTALLATION KITS - UNIT COST		0.223																			
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.425																			0.425
PE		0.470	0.060		0.050																0.580
ATE		0.070																			0.070
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP	4	1.464	4	0.723	1	0.188	1	0.125												10	2.500
TOTAL PROCUREMENT		4.659		0.783		0.238		0.125													5.805

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK-15 MOD 0 - CV(N) MODIFICATION TITLE: LRLS MK-15 MOD 0 - CV(N)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT/VRT/Shipyard

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 12 Months

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT		0.188		0.128		0.050															0.366
PRIOR YEARS	4	1.276	4	0.595	1	0.138	1	0.125												10	2.134
FY 2001 EQUIPMENT																					
FY 2002 EQUIPMENT																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT																					
FY 2007 EQUIPMENT																					
TO COMPLETE																					
INSTALL COST -FMP	4	1.464	4	0.723	1	0.188	1	0.125												10	2.500

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	4	1	1	1	2	1																							10		
Out	4			2	2	1			1																			10			

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK 16 MOD 0 - SHORE TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: LRLS MK 16 MOD 0 - SHORE

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) will improve night aircraft carrier landing performance training at shore stations by providing the pilot with more precise line-up information at a greater range. Installations funded and scheduled in FY02 at NALF Fentress, NALF San Clemente, NAS Whidbey Island, and NAS Lemoore. This mod also provides ease of installation of system.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

N/A

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		8.820																			8.820
<i>PROCUREMENT</i>																					
INSTALLATION KITS	4	0.612																	4	0.612	
INSTALLATION KITS - UNIT COST		0.153																			0.153
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.078																			0.078
PE		0.358																			0.358
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP			0.220	4	0.226														4	0.446	
TOTAL PROCUREMENT		1.048	0.220		0.226																1.494

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: LRLS MK 16 MOD 0 - SHORE MODIFICATION TITLE: LRLS MK 16 MOD 0 - SHORE

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT/VRT

ADMINISTRATIVE LEADTIME: N/A

PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT				0.220																0.220
PRIOR YEARS					4	0.226													4	0.226
FY 2001 EQUIPMENT																				
FY 2002 EQUIPMENT																				
FY 2003 EQUIPMENT																				
FY 2004 EQUIPMENT																				
FY 2005 EQUIPMENT																				
FY 2006 EQUIPMENT																				
FY 2007 EQUIPMENT																				
TO COMPLETE																				
INSTALL COST - Non-FMP				0.220	4	0.226													4	0.446

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior 4	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
																															4
						1		3																							4

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: NEW SYSTEM - CV(N) TYPE MODIFICATION: IMPROVED CAPABILITIES MODIFICATION TITLE: ADMACS / ISIS - CV(N)

DESCRIPTION/JUSTIFICATION:

The Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS) is a real-time configuration managed, tactical system providing connectivity among all Air Operations and Aircraft Launch and Recovery Equipment (ALRE) work spaces aboard CV(N)s. Ship Alteration numbers 8623 for CVs and 8624 for CVNs apply.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III SEPT 1999

FINANCIAL PLAN (IN MILLIONS)	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RDT&E</i>		15.000																			15.000
<i>PROCUREMENT</i>																					
INSTALLATION KITS	3	6.321	3	6.530																6	12.851
INSTALLATION KITS - UNIT COST		2.107		2.177																	2.142
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		1.243		0.195		0.290		0.150													1.878
PE		5.278		0.595		0.150		0.150													6.173
ATE		0.668																			0.668
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP		1.844	4	7.049	1	1.800	1	1.400												6	12.093
INSTALL COST - Non-FMP		0.662																			0.662
TOTAL PROCUREMENT		16.016		14.369		2.240		1.700													34.325

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK 13 MOD 0 - CV(N) TYPE MODIFICATION: Enhancement MODIFICATION TITLE: IFLOLS - CV(N)

DESCRIPTION/JUSTIFICATION:

Ship Alteration 8634 for CVs and 8635 for CVNs apply.
 The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing aircraft carrier Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide slope display sensitivity with improved optics and stabilization.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: IOC - March 2001

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		12.760																			12.760
<i>PROCUREMENT</i>																					
INSTALLATION KITS	10	11.642		0.112																10	11.754
INSTALLATION KITS - UNIT COST																					1.175
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		1.052		0.120		0.059															1.231
PE		3.917		0.459		0.171															4.547
ATE		0.072		0.005																	0.077
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP		1.329	4	2.796	4	2.795	1	0.700												9	7.620
INSTALL COST - NON-FMP			1	0.095																1	0.095
TOTAL PROCUREMENT		18.012		3.587		3.025		0.700													25.324

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: MK 13 MOD 0 - CV(N) MODIFICATION TITLE: IFLOLS - CV(N)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT - Shipyard

ADMINISTRATIVE LEADTIME: 9 Months PRODUCTION LEADTIME: 15 Months

CONTRACT DATES: FY 2001: _____ FY 2002: _____ FY 2003: _____
DELIVERY DATE: FY 2001: _____ FY 2002: _____ FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT		0.030		0.167		0.080		0.050													0.327
PRIOR YEARS	*	1.299	5	2.629	4	2.715	1	0.650												10	7.293
FY 2001 EQUIPMENT																					
FY 2002 EQUIPMENT																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT																					
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT																					
FY 2007 EQUIPMENT																					
TO COMPLETE																					
INSTALL COST - FMP		1.329	4	2.796	4	2.795	1	0.700												9	7.620
INSTALL COST - NON-FMP			1	* 0.095																1	0.095

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In		2	2	1	1	1	1	1	1																			10			
Out		2	1	1	1	2	1	1	1																			10			

* Installation funding based upon FY of start of availability vice hardware delivery; includes Design Services Allocation and Advance Planning

**Shipboard system installed at NATTC

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Mk 14 Mod 0 (Shore) TYPE MODIFICATION: Enhancement MODIFICATION TITLE: IFLOLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Improved Fresnel Lens Optical Landing System (IFLOLS) replaces the existing shore based Fresnel Lens Optical Landing System (FLOLS) with an improved design that will provide increased glide slope display sensitivity with improved optics.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

MS III FY2000

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		12.760																			12.760
<i>PROCUREMENT</i>																					
INSTALLATION KITS	3	2.266	8	4.059	6	3.000	3	1.500												20	10.825
INSTALLATION KITS - UNIT COST		0.755		0.507		0.500		0.500													0.541
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS		0.464		0.103		0.086		0.070		0.022		0.013									0.758
PE		0.810		0.290		0.205		0.076		0.038		0.019									1.438
ATE				0.040		0.037															0.077
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP			3	0.235	3	0.360	7	0.760	5	0.550	2	0.220								20	2.125
TOTAL PROCUREMENT		3.540		4.727		3.688		2.406		0.610		0.252									15.223

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: New System TYPE MODIFICATION: Recapitalization MODIFICATION TITLE: Moriah CV(N) Class

DESCRIPTION/JUSTIFICATION:

The Moriah Wind System (MWS) replaces 60 year old wind speed and direction measuring system with a solid state digital system intergrated throughtout the ship. This P-3 is a breakout from last years combined CV & L-class ships. Includes Hull # 65, 67-69,71-76.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone B planned for 2nd qtr FY-02

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>		3.379		1.400		1.751		2.311		0.250											9.091
<u>PROCUREMENT</u>																					
INSTALLATION KITS									2	0.822	2	0.822	4	1.644	2	0.822				10	4.110
INSTALLATION KITS - UNIT COST										0.411		0.411		0.411		0.411					0.411
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS										0.100		0.095		0.090		0.075		0.040			0.400
PE										0.760		0.670		0.610		0.355		0.140			2.535
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP							0.270		0.370	2	1.700	2	1.530	4	2.220	2	1.060		10		7.150
TOTAL PROCUREMENT							0.270		2.052		3.287		3.874		3.472		1.240				14.195

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: New System MODIFICATION TITLE: Moriah- CV(N) - Class

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT/VRT

ADMINISTRATIVE LEADTIME: 2 months

PRODUCTION LEADTIME: 6 months

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT											0.100		0.100		0.200		0.100			0.500
PRIOR YEARS																				
FY 2001 EQUIPMENT																				
FY 2002 EQUIPMENT																				
FY 2003 EQUIPMENT																				
FY 2004 EQUIPMENT							0.270		0.100	2	0.960								2	1.330
FY 2005 EQUIPMENT									0.270		0.100	2	0.960						2	1.330
FY 2006 EQUIPMENT											0.540		0.200	4	1.920				4	0.740
FY 2007 EQUIPMENT													0.270		0.100	2	0.960		2	0.370
TO COMPLETE																				
INSTALL COST - FMP							0.270		0.370	2	1.700	2	1.530	4	2.220	2	1.060		10	7.150

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
																															10
														2								2				2	2			2	10

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: New System TYPE MODIFICATION: Recapitalization MODIFICATION TITLE: Moriah L Class

DESCRIPTION/JUSTIFICATION:

The Moriah Wind System (MWS) replaces 60 year old wind speed and direction measuring system with a solid state digital system intergrated throughtout the ship. This P-3 is a breakout from last years combined CV & L-class ships. Includes LHA-1-5,LHD 1-7.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone B planned for 2nd qtr FY-02

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		3.379		1.400		1.751		2.311		0.250											9.091
<i>PROCUREMENT</i>																					
INSTALLATION KITS								2	0.482	1	0.241	1	0.241	1	0.241	7	1.687	12	2.892		
INSTALLATION KITS - UNIT COST									0.241		0.241		0.241		0.241		0.241			0.241	
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS									0.130		0.025		0.025		0.025		0.220			0.425	
PE									0.527		0.130		0.100		0.100		0.325			1.182	
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP							0.200		0.180	2	0.938	1	0.595	1	0.630	8	3.920	12	6.463		
TOTAL PROCUREMENT							0.200		1.319		1.334		0.961		0.996		6.152			10.962	

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: New System MODIFICATION TITLE: Moriah- L- Class

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT/VRT

ADMINISTRATIVE LEADTIME: 2 months

PRODUCTION LEADTIME: 6 months

CONTRACT DATES: FY 2001: _____

FY 2002: _____

FY 2003: _____

DELIVERY DATE: FY 2001: _____

FY 2002: _____

FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT											0.048		0.021		0.021		0.210			0.300
PRIOR YEARS																				
FY 2001 EQUIPMENT																				
FY 2002 EQUIPMENT																				
FY 2003 EQUIPMENT																				
FY 2004 EQUIPMENT							0.200		0.080	2	0.750								2	1.030
FY 2005 EQUIPMENT									0.100		0.040	1	0.375							0.515
FY 2006 EQUIPMENT											0.100		0.040	1	0.375				1	0.515
FY 2007 EQUIPMENT													0.159		0.074	2	0.750	2	0.983	
TO COMPLETE															0.160	6	2.960	6	3.120	
INSTALL COST - FMP							0.200		0.180	2	0.938	1	0.595	1	0.630	8	3.920	12	6.463	

INSTALLATION SCHEDULE:

In Out	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
																2				1				1				1		7	12
														2								1				1				8	12

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: New System TYPE MODIFICATION: Recapitalization MODIFICATION TITLE: Moriah- Shorebased

DESCRIPTION/JUSTIFICATION:

The Moriah Wind System (MWS) replaces 60 year old wind speed and direction measuring system with a solid state digital system intergrated througout the ship. Systems will be installed at 2 training (East/West Coast) sites, plus a lab asset at NAWC AD LKE.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Milestone B planned for 2nd qtr FY-02

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RD&E</i>		3.379		1.400		1.751		2.311		0.250											9.091
<i>PROCUREMENT</i>																					
INSTALLATION KITS									3	0.225									3		0.225
INSTALLATION KITS - UNIT COST										0.075											0.075
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS																					
PE																					
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP									3	0.110									3		0.110
TOTAL PROCUREMENT										0.335											0.335

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: New System MODIFICATION TITLE: Moriah - Shorebased

INSTALLATION INFORMATION:
 METHOD OF IMPLEMENTATION: AIT/VRT
 ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 6 Months
 CONTRACT DATES: FY 2001: _____ FY 2002: _____ FY 2003: _____
 DELIVERY DATE: FY 2001: _____ FY 2002: _____ FY 2003: _____

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT																					
PRIOR YEARS																					
FY 2001 EQUIPMENT																					
FY 2002 EQUIPMENT																					
FY 2003 EQUIPMENT																					
FY 2004 EQUIPMENT									3	0.110									3	0.110	
FY 2005 EQUIPMENT																					
FY 2006 EQUIPMENT																					
FY 2007 EQUIPMENT																					
TO COMPLETE																					
INSTALL COST - Non-FMP									3	0.110									3	0.110	

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In																															3
Out																	3														3

Notes: Install cost and unit cost reduced from last submit. Reduction due to decreased complexity of training assets and types/qty of displays/sensors.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVN LSO HUD/ILARTS -New System TYPE MODIFICATION: Obsolescence/Safety MODIFICATION TITLE: VISUAL System CVN & L Class
 "L"

DESCRIPTION/JUSTIFICATION:

The Virtual Imaging System for Approach and Landing (VISUAL) will provide ship's company recovery personnel with enhanced images of aircraft in day, night, and low visibility conditions. VISUAL will utilize electro-optical sensors, advanced displays, and advance information / data networks. VISUAL will replace stand alone, aging systems/components currently found in ILARTS and LSO workstations and add the E-O sensor and LSO Workstation to the LHA/LHD class. This is a modified Non-Developmental Item (NDI) procurement. 11 CV(N) - 14 L Class.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: VISUAL CV 1Q-4Q/03 DT, VISUAL L-Class 3Q-4Q/04 DT

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<u>RDT&E</u>		4.042		7.880		6.172		7.769		1.918											27.781
<u>PROCUREMENT</u>																					
INSTALLATION KITS									1	2.192	1	1.888	7	10.500	7	11.200	9	14.400	25	40.180	
INSTALLATION KITS - UNIT COST										2.192		1.888		1.500		1.600		1.600		1.607	
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS							0.134	0.621		0.038		0.080		0.040		0.040				0.953	
PE							0.230	0.402		0.049		0.140		0.170		0.233				1.224	
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP							0.058	0.523	1	0.940	1	1.387	7	5.061	16	15.400	25			23.369	
TOTAL PROCUREMENT							0.422	3.738		2.915		12.107		16.471		30.073				65.726	

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LSO School Simulator TYPE MODIFICATION: ENHANCED CAPABILITIES MODIFICATION TITLE: VISUAL LSO W/S

DESCRIPTION/JUSTIFICATION:

The purpose of this procurement is to acquire two Landing Signal - Officers (LSO) Virtual Imaging System for Approach and Landing (VISUAL) Workstations and associated software integration efforts for the LSO School at NAS Oceana.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III FY2004

	FY 2000 & Prior		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS											2	0.806								2	0.806
INSTALLATION KITS - UNIT COST												0.403									0.403
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
ILS																					
PE																					
ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP										0.200	1	0.500	1	0.300						2	1.000
TOTAL PROCUREMENT										0.200		1.306		0.300							1.806

UNCLASSIFIED

CLASSIFICATION

BUDGET ITEM JUSTIFICATION SHEET							DATE					
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 4226			SUBHEAD 53SP		
	PY		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TO COMP	TOTAL	
QUANTITY												
COST (in millions)			\$30.4	\$29.5	\$27.1	\$29.2	\$28.9	\$29.8	\$30.5	Cont	Cont	

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

This item provides new and replacement meteorological equipment for all Navy and Marine Corps Air Stations and all Navy ships and other activities required to take weather observations and provide safety of flight information. 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 allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

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

The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the Meteorological Mobile Facilities (METMF). The METMF Replacement (METMF (R)) will be 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) will be equipped to support Marine Air-Ground Task Force (MAGTF) operations world wide.

The Supplemental Weather Radar (SWR) is a small, light weight, COTS Doppler radar system that will be located at sites where NEXRAD coverage is not available to Navy/USMC activities. The SWR will provide real-time surveillance and advance warning of potentially severe weather phenomena that are developing near or moving towards USN and USMC units.

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 use of the equipments.

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

**UNCLASSIFIED
CLASSIFICATION**

COST ANALYSIS								DATE				
								February 2002				
APPROPRIATION ACTIVITY				P-1 ITEM NOMENCLATURE				SUBHEAD				
OP,N - BA3 AVIATION SUPPORT EQUIPMENT				METEOROLOGICAL EQUIPMENT 4226				53SP				
COST CODE	ELEMENT OF COST	ID CODE	TOTAL COST IN THOUSANDS OF DOLLARS									
			PY		FY 2001		FY 2002		FY 2003			
			TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SP051	Satellite Receiver Upgrades (Space)	A		VAR		1,928	VAR		2,262	VAR		1,738
SP190	TESS Upgrades	A		VAR		13,543	VAR		16,902	VAR		15,481
SP200	SMOOS(R)	A		6	788.0	4,728	10	110.4	1,104	14	103.0	1,442
SP300	Met Equipment (METMF(R))	A		1	3,331	3,331	1	3,465	3,465			
	Met Equipment (METMF(R)) Upgrades	A		VAR		771	VAR		800	VAR		2,667
						4,102			4,265			
SP550	Aviation Safety System Upgrades	A		VAR		1,293	VAR		1,333	VAR		861
SP555	Production Support	A		VAR		441			448			437
	Satellite Receiver Upgrades (Space)					105			110			90
	TESS Upgrades					336			338			347
SP777	Installation					4,391			3,206			4,459
	Non-FMP			VAR		1,038	VAR		202	VAR		893
	FMP			VAR		3,353	VAR		3,004	VAR		3,566
	FMP					2,991			2,164			2,733
	DSA					362			840			833
	TOTAL CONTROL					30,426			29,520			27,085

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.

[1] FY01 Unit Cost for SP200 is average of units manufactured by JHU/APL and the unit manufactured by Coastal Environmental Systems.

[2] FY01 Unit Cost for SP200 includes all of the manufactures non-recurring costs.

**UNCLASSIFIED
CLASSIFICATION**

PROCUREMENT HISTORY AND PLANNING											A. DATE		
											February 2002		
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE					SUBHEAD		
OP,N - BA3 AVIATION SUPPORT EQUIPMENT						METEOROLOGICAL EQUIPMENT 4226					53SP		
COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST Delivery	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
SP200	SMOOS(R) ^[1]	01	JHU/APL, MD	CP	NAVSEA	N/A	Jun-01	Oct-01	5	320,000	YES	N/A	
		01	Coastal Environmental Systems Seattle, WA	C/FFP	SPAWAR	May-01	Sep-01	May-02	1	3,128,000	YES	N/A	
		02	Coastal Environmental Systems Seattle, WA	OPTION	SPAWAR			Jul-02	Sep-02	10	110,378	YES	N/A
		03	Coastal Environmental Systems Seattle, WA	OPTION	SPAWAR			Dec-02	Feb-03	14	102,969	YES	N/A
SP300	Met Equipment (METMF(R)) ^[2]	01	VAR	VAR	SSC-San Diego	N/A	Nov-00	Jul-01	1	3,331,000	YES	N/A	
		02	VAR	VAR	SSC-San Diego	N/A	Nov-01	Jul-02	1	3,465,000	YES	N/A	

D. REMARKS

[1] SP200 FY01 5 units to be manufactured by APL (1 Oct delivery); first article unit to be manufactured by Coastal Environmental Systems
 [2] SP200 - Unit price of 1st article includes all manufacturers non-recurring costs.
 [3] SP300 - COTS equipment is delivered to SSC-SD for integration into the METMF(R). Final Van delivered in FY02.

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE)
 COST CODE: SP051
 MODELS OF SYSTEMS AFFECTED:

February 2002

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 allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards, and provide for antenna replacement.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		IC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																							
PROCUREMENT:																							
Kit Quantity																							
Installation Kits																							
Installation Kits Nonrecurring																							
Equipment	VAR		VAR	1.154	VAR	1.928	VAR	1.037	VAR	0.855	VAR	0.855	VAR	0.855	VAR	0.855	VAR	0.854	CONT				CONT
Equipment Nonrecurring																							
Engineering Change Orders																							
Data																							
Training Equipment																							
Production Support					0.105		0.045		0.045		0.045		0.045		0.045		0.045		0.045				
DSA																							
Interm Contractor Support																							
Installation of Hardware	9	8.0	0.570		19.0	0.349	13.0	0.000	15.0	0.427	15.0	0.433	15.0	0.437	15.0	0.440	15.0	0.448	-	-		3.1	
PRIOR YR EQUIP	9	8.0	0.570																			8.0	0.6
FY 00 EQUIP					9.0	0.165																9.0	0.2
FY 01 EQUIP					10.0	0.184	3.0	0.000														13.0	0.2
FY 02 EQUIP							10.0	0.000														15.0	0.1
FY 03 EQUIP									5.0	0.142												15.0	0.4
FY 04 EQUIP									10.0	0.285	5.0	0.144										15.0	0.4
FY 05 EQUIP											10.0	0.289	5.0	0.146								15.0	0.4
FY 06 EQUIP													10.0	0.291	5.0	0.147						15.0	0.4
FY 07 EQUIP															10.0	0.293	5.0	0.149				15.0	0.4
FY TC EQUIP																	10.0	0.299				10.0	0.3
TOTAL INSTALLATION COST	0.0		0.570		0.349		0.000		0.427		0.433		0.437		0.440		0.448		0.0			0.0	CONT
TOTAL PROCUREMENT COST	0.0		1.724		2.382		1.082		1.327		1.333		1.337		1.340		1.347		0.0			0.0	CONT

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: SMQ-11 = 10 months FMQ-17 = 3 months

CONTRACT DATES: FY 2001 Nov-00 FY 2002: Nov-01 FY 2003: Nov-02

DELIVERY DATES: FY 2001 Aug-01 SMQ-11 Feb-01 FMQ-17 FY 2002: Aug-02 SMQ-11 Feb-02 FMQ-17 FY 2003: Aug-03 SMQ-11 Feb-03 FMQ-17

INSTALLATION SCHEDULE:	PY	FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	36	4	3	3	3	4	4	4	3	4	4	4	3
OUTPUT	36	4	3	3	3	4	4	4	3	4	4	4	3

INSTALLATION SCHEDULE:	FY 05				FY 06				FY 07				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	4	4	4	3	4	4	4	3	4	4	4	3	CONT	CONT
OUTPUT	4	4	4	3	4	4	4	3	4	4	4	3	CONT	CONT

Notes/Comments: FY02 minor installs that do not require install teams

Exhibit P-3a, Individual Modification Program
 UNCLASSIFIED
 Classification

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP)
 COST CODE: SP190
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: TESS UPGRADES PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

February 2002

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	Prior Yrs		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		IC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
RDT&E																							
PROCUREMENT:																							
Kit Quantity																							
Installation Kits																							
Installation Kits Nonrecurring																							
Equipment	4		9	9.900	7	10.017	7	10.412	10	12.260	7	10.491	7	10.675	7	10.843	7	11.586		CONT		CONT	
Equipment Nonrecurring																							
Engineering Change Orders																							
Data																							
Training Equipment																							
Production Support						0.264	0.180	0.268	0.244	0.249	0.254	0.259											
DSA						0.262	0.432	0.358	0.511	0.547	0.609	0.612											
Interm Contractor Support																							
Installation of Hardware	1		9	2.220	9	2.694	8	1.780	9	1.013	7	1.976	7	1.992	7	1.967	7	2.042	0	0.0		15.7	
PRIOR YR EQUIP	1		3	0.720																		3.0	
FY 00 EQUIP			6	1.500	3	0.898																9.0	
FY 01 EQUIP					6	1.796	1	0.223														7.0	
FY 02 EQUIP							7	1.558														7.0	
FY 03 EQUIP									9	1.013	1	0.282										10.0	
FY 04 EQUIP											6	1.693	1	0.285								7.0	
FY 05 EQUIP											6	1.707	1	0.281								7.0	
FY 06 EQUIP													6	1.686	1	0.292						7.0	
FY 07 EQUIP															6	1.750						6.0	
FY TC EQUIP																				CONT		0.0	
TOTAL INSTALLATION COST		0.0		2.220		2.956		2.212		1.371		2.487		2.539		2.576		2.654		0.0		CONT	
TOTAL PROCUREMENT COST		0.0		12.120		13.237		12.804		13.899		13.222		13.463		13.673		14.499		0.0		CONT	

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

CONTRACT DATES: FY 2001 Nov-00 FY 2002: Nov-01 FY 2003: Nov-02
 DELIVERY DATES: FY 2001 Jan-01 - Sep-01 FY 2002: Jan-02 - Sep-02 FY 2003: Jan-03 - Sep-03

INSTALLATION SCHEDULE:	PY	FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	19	2	2	2	2	2	2	2	3	1	0	3	3
OUTPUT	17	1	3	2	2	2	2	2	2	2	3	1	0

INSTALLATION SCHEDULE:	FY 05				FY 06				FY 07				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
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 just in time for delivery prior to ship installation availability windows.
 Quantified procurements and installations typically includes hardware and associated software and an installation beyond the capability of local personnel.

Exhibit P-3a, Individual Modification Program
 Unclassified
 Classification

UNCLASSIFIED

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE)
 COST CODE: SP190
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: TESS UPGRADES PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

February 2002

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

	Prior Yrs		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	10		5	5.000	6	3.526	5	6.490	5	3.221	5	3.416	5	3.514	5	3.612	5	3.710	CONT			CONT
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support						0.072		0.158		0.079		0.084		0.086		0.088		0.091				
DSA																						
Interm Contractor Support																						
Installation of Hardware	10		5	1.184	6	0.514	5	0.000	5	0.264	5	0.050	5	0.050	5	0.273	5	0.050	0	0.0		2.4
PRIOR YR EQUIP	10																					0.0
FY 00 EQUIP			5	1.184																		5.0
FY 01 EQUIP					6	0.514																6.0
FY 02 EQUIP							5	0.000														5.0
FY 03 EQUIP									5	0.264												5.0
FY 04 EQUIP											5	0.050										5.0
FY 05 EQUIP												5	0.050									5.0
FY 06 EQUIP														5	0.273							5.0
FY 07 EQUIP																5	0.050					5.0
FY TC EQUIP																			CONT			0.0
TOTAL INSTALLATION COST		0.0		1.184		0.514		0.000		0.264		0.050		0.050		0.273		0.050		0.0		CONT
TOTAL PROCUREMENT COST		0.0		6.184		4.112		6.648		3.564		3.550		3.650		3.973		3.851		0.0		CONT

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

CONTRACT DATES: FY 2001 Nov-00 FY 2002: Nov-01 FY 2003: Nov-02
 DELIVERY DATES: FY 2001 Jan-01 FY 2002: Jan-02 FY 2003: Jan-03

INSTALLATION SCHEDULE:	PY	FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	21	0	1	2	2	0	1	2	2	0	1	2	2
OUTPUT	21	0	1	2	2	0	1	2	2	0	1	2	2

INSTALLATION SCHEDULE:	FY 05				FY 06				FY 07				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
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 = 66 sites (reg/prod centers, facilities, detachments, USMC air stations, etc.).
 Refresh occurs concurrently with new installations.
 FY02 minor installs that do not require install teams

Exhibit P-3a, Individual Modification Program
 Unclassified
 Classification

UNCLASSIFIED

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHIP)
 COST CODE SP200
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION: The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

February 2002

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

	Prior Yrs		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		TC		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment	0	0.0	0	0.000	3	2.364	8	0.883	11	1.133	16	1.399	18	1.415	18	1.550	19	1.572	137.0	23.7	230	34.0
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support																						
DSA						0.024		0.408		0.392		0.456		0.447		0.415		0.429				
Interm Contractor Support																						
Installation of Hardware	0	0.0	0	0.000	0	0.000	4	0.384	14	1.371	16	1.535	19	1.787	19	1.751	18	1.626	140	13.7	230	22.2
PRIOR YR EQUIP																					0	0.0
FY 00 EQUIP					0	0.000															0	0.0
FY 01 EQUIP					0	0.000	3	0.288													3	0.3
FY 02 EQUIP							1	0.096	7	0.685											8	0.8
FY 03 EQUIP									7	0.686											11	1.1
FY 04 EQUIP											4	0.384									16	1.5
FY 05 EQUIP											12	1.152	4	0.376							18	1.7
FY 06 EQUIP													15	1.411	3	0.276					18	1.7
FY 07 EQUIP															16	1.475					16	1.4
FY TC EQUIP																					140	13.7
TOTAL INSTALLATION COST	0.0	0.000			0.024		0.792		1.763		1.991		2.234		2.166		2.055				13.7	22.2
TOTAL PROCUREMENT COST	0.0	0.000			2.388		1.675		2.896		3.391		3.649		3.715		3.627				37.4	56.2

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 4 months - FY 01
 1 month - FY 02-07
 PRODUCTION LEADTIME: 8 months
 2 months FY02-07

CONTRACT DATES: FY 2001 Sep-01 FY 2002: Jul-02 FY 2003: Dec-02
 DELIVERY DATES: FY 2001 Oct-01 FY 2002: Sep-02 FY 2003: Feb-03

INSTALLATION SCHEDULE:	PY	FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	0	1	1	1	1	2	4	4	4	3	4	4	5
OUTPUT	0	0	0	1	1	1	1	2	4	4	4	3	4

INSTALLATION SCHEDULE:	FY 05				FY 06				FY 07				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	4	5	5	5	4	5	5	5	4	5	4	5	140	230
OUTPUT	4	5	4	5	5	5	4	5	5	5	4	5	149	230

Notes/Comments: Equipment procurement/delivery is correlated with ship installation availability windows.

Exhibit P-3a, Individual Modification Program
 Unclassified
 Classification

UNCLASSIFIED

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHORE)
 COST CODE: SP200
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

February 2002

The Shipboard Meteorological and Oceanographic Observing System Replacement (SMOOS(R)) consists of various configurations of environmental sensors, automated data acquisition and processing systems, multiple system interfaces, and displays. The SMOOS(R) system will provide a tailorable METOC sensor suite for all identified ship classes and selected Air Stations, and will provide for all required METOC observations.

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

	Prior Yrs	FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		FY 06		FY 07		TC		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E																						
PROCUREMENT:																						
Kit Quantity																						
Installation Kits																						
Installation Kits Nonrecurring																						
Equipment		1	0.900	3	2.364	2	0.221	3	0.309	2	0.175	1	0.079	2	0.133	1	0.083	2.0	0.2	17.0	4.5	
Equipment Nonrecurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Production Support																						
DSA																						
Interm Contractor Support																						
Installation of Hardware		0	0.000	2	0.175	3	0.202	2	0.202	4	0.406	0	0.000	2	0.210	2	0.216	2	0.2	17.0	1.6	
PRIOR YR EQUIP																				0.0	0.0	
FY 00 EQUIP				1	0.150																1.0	0.2
FY 01 EQUIP				1	0.025	2	0.101														3.0	0.1
FY 02 EQUIP						1	0.101														2.0	0.2
FY 03 EQUIP								1	0.101												3.0	0.3
FY 04 EQUIP										2	0.203										2.0	0.2
FY 05 EQUIP												0	0.000	1	0.105						1.0	0.1
FY 06 EQUIP														1	0.105						2.0	0.2
FY 07 EQUIP																1	0.108				1.0	0.1
FY TC EQUIP																					2.0	0.2
TOTAL INSTALLATION COST		0.0	0.000		0.175		0.202		0.202		0.406		0.000		0.210		0.216		0.2			1.6
TOTAL PROCUREMENT COST		0.0	0.900		2.539		0.423		0.511		0.581		0.079		0.343		0.299		0.4			6.1

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: 4 months - FY 01
 1 month - FY 02-07
 PRODUCTION LEADTIME: 6 months
 2 months FY02 -07

CONTRACT DATES: FY 2001 Jul-01 FY 2002: Jul-02 FY 2003: Dec-02
 DELIVERY DATES: FY 2001 Oct-01 FY 2002: Sep-02 FY 2003: Feb-03

INSTALLATION SCHEDULE:	PY	FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	2	1	1	0	1	1	0	1	0	1	1	1	1
OUTPUT	2	1	1	0	1	1	0	1	0	1	1	1	1

INSTALLATION SCHEDULE:	FY 05				FY 06				FY 07				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	0	0	0	0	1	0	1	0	1	0	1	0	2	17
OUTPUT	0	0	0	0	1	0	1	0	1	0	1	0	2	17

Notes/Comments:

Exhibit P-3a, Individual Modification Program
 Unclassified
 Classification

**BUDGET ITEM JUSTIFICATION SHEET
P-40**

DATE:
February 2002

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY/BA3

P-1 ITEM NOMENCLATURE **BLI 424200**
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	74.2		1.6	1.7	1.6	1.8	1.8	1.8	1.8	2.0	88.4

OTHER PHOTOGRAPHIC EQUIPMENT

The Naval Air Systems Command is tasked to fund transition of shipboard photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). 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 surveillance, combat camera, safety, training, and Public Affairs Office (PAO).

Electronic/digital imagery acquisition media is rapidly expanding (ATARS, TAMPS, JSIPS). 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 program, 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, theater, 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 film 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 electronic 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 2 hardmounted Pentium based workstations (comprised of 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 were completed in FY95. Phase II began in FY95 and continues beyond the FYDP. As digital camera technology improves the equipment will be upgraded/replaced to provide the latest technology.

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 2002

APPROPRIATION/BUDGET ACTIVITY

P-1 ITEM NOMENCLATURE

BLI 424200

OTHER PROCUREMENT, NAVY/BA3

OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX

Program Element for Code B Items:

Other Related Program Elements

REWSON: Reconnaissance Electronic Warfare Special Operations Navy

This line procures photographic film processing, printing and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. Specifically, this equipment primarily supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrier Intelligence Center (CVIC) photographic requirements, and the hand held intelligence photography collected by the embarked Airwing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.

Also, this equipment supports the photographic intelligence that is disseminated from internal and National sources to the Airwing (CVW) and CVBG. TARPS imagery is often provided to in theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.

This line also procures digital equipment for the exploitation, interpretation and printing of digital imagery downlinked from TARPS. The digital suites can be expanded into the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System						DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA3			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI 424200 OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS										
			Prior Years	FY 2001			FY 2002			FY 2003			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
SX008	PHOTO EQUIPMENT UNDER \$100K	A	319										
SX019	DIGITAL COLOR PRINTER	A	268										
SX020	DIGITAL PHOTO LAB WORKSTATION	A	4,712	3	144	432	3	146	437	3	129	387	
SX021	DIGITAL SLR COLOR CAMERA	A	2,124	2	24	48	2	25	50	2	25	50	
SX050	MISC SMALL EQUIP & ECPS (PREVIOUS S4019 OF Y3S4) *	A	114										
SX100	DIGITAL CAMERA RECEIVING STATION (PREVIOUS S4100 OF Y3S4) *	A	3,795	4	168	672	4	167	669	4	151	604	
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT		808										
SX900	INSTALLATION (NON-FMP) VARIOUS OTHER COSTS, FY 97 & PRIOR OTHER PHOTOGRAPHIC EQUIPMENT		3,629			495			530			531	
			58,442										
* Quantities reflect total number of upgrades - not new procurements.													
* Cost Codes SX008, SX021, SX050 and SX100 are included in the Support Equipment line on exhibit P-3A.													
			74,211			1,647			1,686			1,572	

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA3				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD BLI 424200 OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX												
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SX008	PHOTO EQUIPMENT UNDER \$100K			0			0			0			0			0	319
SX019	DIGITAL COLOR PRINTER			0			0			0			0			0	268
SX020	DIGITAL PHOTO LAB WORKSTATION	3	164	491	3	154	461	3	157	470	3	160	481	3	494	24	8,365
SX021	DIGITAL SLR COLOR CAMERA	2	25	50	2	26	52	2	26	52	2	27	54	2	55	16	2,535
SX050	MISC SMALL EQUIP & ECPS (PREVIOUS S4019 OF Y3S4) *			0			0			0			0			0	114
SX100	DIGITAL CAMERA RECEIVING STATION (PREVIOUS S4100 OF Y3S4) *	4	182	726	4	169	677	4	173	690	4	175	700	4	766	32	9,299
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT			0			0			0			0			0	808
SX900	INSTALLATION (NON-FMP) VARIOUS OTHER COSTS, FY 97 & PRIOR OTHER PHOTOGRAPHIC EQUIPMENT			553			563			575			579		639		8,094
				1,820			1,753			1,787			1,814		1,954		88,244

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2002		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA3					C. P-1 ITEM NOMENCLATURE BLI 424200				SUBHEAD Y3SX	
					OTHER PHOTOGRAPHIC EQUIPMENT					
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
DIGITAL PHOTO LAB WORKSTATION										
SX020/FY 2001	3	144	NRAD, Philadelphia	Apr-01	C/MIPR/FP	Various	Jun-01	Sep-01	YES	
SX020/FY 2002	3	146	NRAD, Philadelphia	Apr-02	C/MIPR/FP	Various	Jun-02	Sep-02	YES	
SX020/FY 2003	3	129	NRAD, Philadelphia	Apr-03	C/MIPR/FP	Various	Jun-03	Sep-03	YES	
DIGITAL SLR COLOR CAMERA										
SX021/FY 2001	2	24	NRAD, Philadelphia	Apr-01	C/MIPR/FP	Eastman Kodak, Rochester	Jun-01	Sep-01	YES	
SX021/FY 2002	2	25	NRAD, Philadelphia	Apr-02	C/MIPR/FP	Eastman Kodak, Rochester	Jun-02	Sep-02	YES	
SX021/FY 2003	2	25	NRAD, Philadelphia	Apr-03	C/MIPR/FP	Eastman Kodak, Rochester	Jun-03	Sep-03	YES	
DIGITAL CAMERA RECEIVING STATION										
SX100/FY 2001	4	168	SPAWAR Det., Phil	Apr-01	C/MIPR/FP	Various	Jun-01	Sep-01	YES	
SX100/FY 2002	4	167	SPAWAR Det., Phil	Apr-02	C/MIPR/FP	Various	Jun-02	Sep-02	YES	
SX100/FY 2003	4	151	SPAWAR Det., Phil	Apr-03	C/MIPR/FP	Various	Jun-03	Sep-03	YES	

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVs, CVNs TYPE MODIFICATION: Added Capability MODIFICATION TITLE: Digital Photo Lab (Phase II)

DESCRIPTION/JUSTIFICATION:

This procurement funds the equipment and installation to transition CV/CVN Photo Lab from traditional "wet" film to digital imagery.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES Phase 1 Completed FY 95

	<u>Prior Years</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>FY 2006</u>		<u>FY 2007</u>		<u>TC</u>		<u>TOTAL</u>		
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	
<u>FINANCIAL PLAN (IN MILLIONS)</u>																					
<u>RDT&E</u>																				0	0.0
<u>PROCUREMENT</u>																					
INSTALLATION KITS	34	4.7	3	0.432	3	0.437	3	0.387	3	0.491	3	0.461	3	0.470	3	0.481	3	0.494	58	8.4	
INSTALLATION KITS - UNIT COST		0.6		0.144		0.146		0.129		0.164		0.154		0.157		0.160		0.165			
INSTALLATION KITS NONRECURRING																					0.0
EQUIPMENT																					0.0
EQUIPMENT NONRECURRING																					0.0
ENGINEERING CHANGE ORDERS																					0.0
DATA																					0.0
TRAINING EQUIPMENT																					0.0
SUPPORT EQUIPMENT		65.1		0.720		0.719		0.654		0.776		0.729		0.742		0.754		0.821			71.0
OTHER		0.8																			0.8
OTHER																					0.0
OTHER																					0.0
INTERIM CONTRACTOR SUPPORT																					0.0
INSTALL COST	34	3.629	3	0.495	3	0.530	3	0.531	3	0.553	3	0.563	3	0.575	3	0.579	3	0.639	58	8.1	
TOTAL PROCUREMENT		74.211		1.647		1.686		1.572		1.820		1.753		1.787		1.814		1.954		58	88.244

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

MODELS OF SYSTEMS AFFECT CVs, CVNs, CNET, PNCLA

MODIFICATION TITLE: Digital Photo Lab (Phase II)

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION Depot Field Team

ADMINISTRATIVE LEADTIM 9 Months

PRODUCTION LEADTIME: 3 Months

CONTRACT DATES: FY 2001: June 2001

FY 2002: June 2002

FY 2003: June 2003

DELIVERY DATE: FY 2001: Sep 2001

FY 2002: Sep 2002

FY 2003: Sep 2003

(\$ in Millions)

Cost:	Prior Years		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS	34	3.629																		
FY 2001 EQUIPMENT			3	0.495																
FY 2002 EQUIPMENT					3	0.530														
FY 2003 EQUIPMENT							3	0.531												
FY 2004 EQUIPMENT									3	0.553										
FY 2005 EQUIPMENT											3	0.563								
FY 2006 EQUIPMENT													3	0.575						
FY 2007 EQUIPMENT															3	0.579				
TO COMPLETE																	3	0.639	58	8.094

INSTALLATION SCHEDULE:

FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
34	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	3	58
34	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	0	0	0	3	3	58

P-3A

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/Aviation Support Equipment/BA3					Date: February 2002	
P-1 ITEM NOMENCLATURE BLI 424200		Admin Leadtime (after Oct 1): 9 mos					Production Leadtime: 3 mos	
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX								
Digital Photo Lab Workstation	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
Buy Summary	3	3	3	3	3	3	3	
Unit Cost	144	146	129	164	154	157	160	
Total Cost	432	437	387	491	461	470	481	
Asset Dynamics								
Beginning Asset Position	34	37	40	43	46	49	52	
Deliveries from all prior year funding								
Deliveries from FY 2001 funding	3							
Deliveries from FY 2002 funding		3						
Deliveries from FY 2003 funding			3					
Deliveries from subsequent years' funding				3	3	3	3	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.							1	
End of Year Asset Position	37	40	43	46	49	52	54	
Inventory Objective or Current Authorized Allowance	54	54	54	54	54	54	54	
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01		Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:		FY 1999:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1998:	FY 1998:		FY 1998:				BAI
Other: 54	FY 1997:	FY 1997:		FY 1997:				Inactive Inv:
TOTAL:								Storage:
Remarks: Inventory objective equals: Four workstations per CV/CVN (4*12) Four workstations Navy & Marine Corp Intel Center Two workstations In service engineering activity								

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/Aviation Support Equipment/BA3					Date: February 2002	
P-1 ITEM NOMENCLATURE BLI 424200		Admin Leadtime (after Oct 1): 9 mos					Production Leadtime: 3 mos	
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX								
Digital SLR Color Camera	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
Buy Summary	2	2	2	2	2	2	2	
Unit Cost	24	25	25	25	26	26	27	
Total Cost	48	50	50	50	52	52	54	
Asset Dynamics								
Beginning Asset Position	46	42	38	34	30	26	22	
Deliveries from all prior year funding								
Deliveries from FY 2001 funding	2							
Deliveries from FY 2002 funding		2						
Deliveries from FY 2003 funding			2					
Deliveries from subsequent years' funding				2	2	2	2	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.	6	6	6	6	6	6	6	
End of Year Asset Position	42	38	34	30	26	22	18	
Inventory Objective or Current Authorized Allowance	108	108	108	108	108	108	108	
Inventory Objective 108	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01		Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:		FY 1999:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1998:	FY 1998:		FY 1998:				BAI
Other: 108	FY 1997:	FY 1997:		FY 1997:				Inactive Inv:
TOTAL:								Storage:
Remarks: Inventory objective: Nine cameras per CV/CVN (9*12) 108 Attrition based on historical average								

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION:

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/Aviation Support Equipment/BA3					Date: February 2002	
P-1 ITEM NOMENCLATURE BLI 424200		Admin Leadtime (after Oct 1): 9 mos					Production Leadtime: 3 mos	
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX								
Digital Camera Receiving Station	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
Buy Summary	4	4	4	4	4	4	4	
Unit Cost	168	167	151	182	169	173	175	
Total Cost	672	669	604	726	677	690	700	
Asset Dynamics								
Beginning Asset Position	19	19	19	19	19	19	19	
Deliveries from all prior year funding								
Deliveries from FY 2001 funding	4							
Deliveries from FY 2002 funding		4						
Deliveries from FY 2003 funding			4					
Deliveries from subsequent years' funding				4	4	4	4	
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.	4	4	4	4	4	4	4	
End of Year Asset Position	19	19	19	19	19	19	19	
Inventory Objective or Current Authorized Allowance	19	19	19	19	19	19	19	
Inventory Objective 19	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01		Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:		FY 1999:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1998:	FY 1998:		FY 1998:				BAI
Other: 19	FY 1997:	FY 1997:		FY 1997:				Inactive Inv:
TOTAL:								Storage:
Remarks: Inventory objective of 19 equals: One DCRS per CV/CVN (1*12) Three shore sites Four mobile digital receiving stations								

P-1 SHOPPING LIST

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	204.1		30.1	\$20.7	\$25.7	\$28.4	\$28.6	\$54.9	\$27.0	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 Sistema 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 Combat Survivor Evader Locator (CSEL) Radio system provides U.S. combat forces with secure, encrypted, low probability of detection, 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 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.

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

-Joint Service Aircrew Low Energy Multiple Wavelength Advanced Laser Eye Protection Visor (JALEPV) Program. The 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.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	204.1		30.1	\$20.7	\$25.7	\$28.4	\$28.6	\$54.9	\$27.0	CONT.	CONT.
<p>LASER EYE PROTECTION R-TOC - SY087 Congress gave us additional funding for FY01 & FY02 for the Reduction in Total Ownership Cost (R-TOC) for hard coating of the lenses. -This Smart Work initiative involves replacing existing hard (scratch resistant) lens coating with one being developed by Triton Systems, Inc. Triton is a Small Business Innovative Research (SBIR) contractor that is developing an improved abrasion/scratch resistant and anti-reflective protective lens coating. The expectation is that service life can be increased at least four years for both the spectacles and the visors. Savings/cost avoidance will be realized through procuring fewer replacements and extending the service life of the laser protection spectacles and visors. The effect on readiness will be performance enhancement. The scratch resistant and glare reduced lenses will improve the vision of the pilot inside and outside the cockpit.</p> <p>HELICOPTER AIRCREW BREATHING DEVICE SYSTEM (HABDS) (SRU-40/B/P) - SY 110 - HABDS is a P3I effort to the HEED (Helicopter Emergency Egress Device). It is a compact, lightweight breathing assembly intended for emergency use of helicopter and E-2C aircrew personnel in the event of a crash landing over water. It will aid in the safe egress of the aircrew member from a submerged aircraft. It is a self contained 3000 PSI cylinder breathing device and provides 1-3 minutes of breathing air for use in an emergency aircraft submergency situation.</p> <p>PASSENGER HELICOPTER AIRCREW BREATHING DEVICE SYSTEM (PHABDS) - SY 115 -PHABDS is a flotation and breathing device system specifically for use by trained troop passengers being transported in USMC rotary wing aircraft. It consists of the SRU-40B/P (HABD), the HABD Holster, and the LPU-32/P Life Perserver Unit. The holster may also be used with the LPP-1/1A or Pouch Type Preservers until sufficient quantities of the LPU-32/P are fielded. Additional support equipment, including the CQU-10/U (Portable Refill Systems), compressors, and tool kits will be procured.</p> <p>AIRCREW INTEGRATED RECOVERY SURVIVAL ARMOR VEST AND EQUIPMENT (AIRSAVE) - SY120 (Replaces Aircrew Integrated Survival/Armor Protection (AISAP) - The AIRSAVE system consists of three components: a survival vest, a soft body armor system and a hard body armor system. The Survival vest is flame retardant and has modular/removable pockets to hold various survival items. It integrates with all Navy, Marine and Army cockpits, chemical systems, oxygen systems, floatation systems as well as other Aviation Life Support Systems (ALSS) survival equipment. The soft body armor system is made up of 36 plys of KM-2 Kevlar and is designed to provide fragmentation protection. The hard body armor system is composed of a ceramic material that can provide ballistic protection from .30 caliber armor piercing rounds. This is the next generation of a survival vest and body armor ensemble, it will enhance the performance of all Navy, Marine and Army aircrew.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	204.1		30.1	\$20.7	\$25.7	\$28.4	\$28.6	\$54.9	\$27.0	CONT.	CONT.
<p>PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS) NDI - SY140 - PAESS is a constant wear cold weather immersion protection system which will be used to protect non-aircrew personnel being transported as passengers in Carrier on Board Delivery/Vertical on Board Delivery (COD/VOD) aircraft, to, from and between ships at sea. This system will increase the survivability of these passengers by fulfilling such requirements as providing protection from hypothermia, being easily donned and doffed, and capable of underwater egress. This is a new Non-Developmental Item Purchase.</p> <p>AVIATION RESCUE SWIMMERS' DRY SUIT (ARSD) PROGRAM - SY155 -The Aviation Rescue Swimmers' Dry Suit Program (ARSD) is a non developmental acquisition program, designed to provide the Aviation Rescue Swimmers constant wear, dry suit anti-exposure system, which is capable of: (1) providing protection to the wearer from adverse environment and physiological factors, (2) being compatible with existing survival equipment, and (3) being worn while the aircrew performs collateral duties (vertical replenishments, passenger transfers).</p> <p>NAVY COMBAT EDGE [NCE] - SY-170 - The NCE is an integrated aircrew flight ensemble designed to increase aircrew protection from the physiological hazards associated with high positive acceleration (+G) forces. During exposure to +G acceleration, blood pooling occurs in the lower portions of the body depriving the brain of an adequate supply of oxygenated blood and causing a loss of vision followed by loss of consciousness. The NCE provides enhanced acceleration protection through the use of Assisted Positive Pressure Breathing (APPB), a counter pressure vest and an anti-G-garment. The NCE system consists of several individual components (HGU-87/P helmet and KMU-561 modification kit; MBU-24/P oxygen mask; CSU-21/P counter pressure vest; CRU-103/PG compression oxygen breathing regulator; CSU-120/P lower anti -G garment; and Anti-G valve).</p> <p>NIGHT VISION DEVICES (NVD) TACTICAL - SY210 -These Night Vision Devices (NVD) provide U.S. Navy personel 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 accomodate 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.</p>											

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				
Program Element for Code B Items:							Other Related Program Elements				
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	204.1		30.1	\$20.7	\$25.7	\$28.4	\$28.6	\$54.9	\$27.0	CONT.	CONT.
<p>NIGHT VISION GOGGLES (NVG) ROTARY -SY 212 - This 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.</p> <p>LOW PROFILE FLOTATION COLLAR (LPFC) - SY220 - The LPU-33/P and the LPU-34/P (LPFC) are the replacements for the LPU-21/23/P Life Preservers. The LPU-33/P is being replaced by the LPU-36 under an ECP to improve the aircrews head movement. The LPU-36/P will replace the LPU-33/P by retrofit. The LPU-36/P utilizes two FLU-8B/P automatic/manual inflation assemblies, one for each bladder. The LPU-34/P utilizes two manual inflation assemblies. The packed assembly is worn around the users neck and rests on his upper chest. The LPU-34/36 Flotation assemblies consist of two independent inflatable bladders that when inflated, provides 65 pounds of positive buoyancy. This configuration is light weight and compact and allows pockets for survival items to be mounted where the LPU-21/23 waist lobes were previously located.</p> <p>LOX TO OBOGS (TOC) - SY400 - The Navy plans to eliminate Liquid Oxygen (LOX) from all aircraft, carriers, and naval air stations by FY 2010. LOX systems have an extensive logistics footprint, limit aircraft mission duration, present a significant safety hazard, and require over \$50M per year of maintenance. OBOGS generates oxygen on-board the aircraft directly from engine bleed air via the Pressure-Swing Adsorption (PSA) process, eliminating the deficiencies associated with LOX. This program will evaluate candidate aircraft, develop aircraft retrofit packages, and replace LOX with OBOGS under a Total Ownership Cost (TOC) savings initiative.</p> <p>----- DERF FUNDING IN THE AMOUNT OF \$10 MILLION WAS RECEIVED TO PURCHASE PRC-112B RADIOS,.</p>											

CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:	
P-40a										February 2002	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE				
OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							424400 AVIATION LIFE SUPPORT SYSTEMS				
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
NEW SURVIVAL RADIO	A										
TOTAL COST (\$K)		9,083	8,911	7,454	2,988	2,859	2,825	2,664	0	9,776	46,560
QUANTITY		2926	5,063	4,062	1,961	1,523	1,453	1,323	0	4,854	23,165
C-SEL	B										
TOTAL COST (\$K)		0	0	2,903	15,642	18,524	22,222	49,222	24,388	0	132,901
QUANTITY		0	0	200	1,502	1,945	2,467	5,986	2,900	0	15,000
JALEPV	A										
TOTAL COST (\$K)		0	0	2,148	1,048	1,048	1,048	1,048	638	1,197	8,175
QUANTITY		0	0	50	600	600	600	600	365	685	3,500
LASER EYE PROTECT.											
R-TOC	A										
TOTAL COST (\$K)		0	930	1,170	0	0	0	0	0	0	2,100
QUANTITY		0	0	0	0	0	0	0	0	0	0
HABDS	A										
TOTAL COST (\$K)			351	303	0	0	0	0	0	0	654
QUANTITY		0	1,075	786	0	0	0	0	0	0	1,861
PHABDS	A										
TOTAL COST (\$K)		0	4,636	0	0	0	0	0	0	0	4,636
QUANTITY		0	9,234	0	0	0	0	0	0	0	9,234
AIRSAVE	A										
TOTAL COST (\$K)		4,688	185	228	0	0	0	0	0	0	5,101
QUANTITY		3,583	162	155	0	0	0	0	0	0	3,900
PAESS (NDI)	A										
TOTAL COST (\$K)		1,637	75	344	344	0	0	0	0	0	2,400
QUANTITY		750	100	475	475	0	0	0	0	0	1,800

CLASSIFICATION:

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				
Procurement Items	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
SWIMMERS DRY SUIT	A										
TOTAL COST (\$K)		80	194	0	0	0	0	0	0	0	274
QUANTITY		119	281	0	0	0	0	0	0	0	400
											-
NAVY COMBAT EDGE	A										
TOTAL COST (\$K)		5,315	874	0	0	0	0	0	0	0	6,189
QUANTITY		1042	246	0	0	0	0	0	0	0	1,288
											-
NVD (TACTICAL)	A										
TOTAL COST (\$K)		9,235	410	670	851	1,696	0	0	0	1,028	13,890
QUANTITY		1,325	45	117	148	296	0	0	0	165	2,096
											-
NVG (ROTARY)	A										
TOTAL COST (\$K)		21,883	8,104	1,411	1,497	1,660	0	0	0	186	34,741
QUANTITY		3,595	1,419	250	265	294	0	0	0	33	5,856
											-
LOW PROFILE FLOTATION COLLAR	A										
TOTAL COST (\$K)		4,453	967	0	0	0	0	0	0	1,553	6,973
QUANTITY		11,387	2,538	0	0	0	0	0	0	4,075	18,000
											-
LOX TO OBOGS (TOC)	B										
TOTAL COST (\$K)		0	0	0	500	100					600
QUANTITY		0	0	0	2	1					3
											-
OTHER COSTS		120,760									120,760
PRODUCTION SUPPORT		26,230	4,442	4,110	2,806	2,519	2,511	1,990	1,986	0	46,594
TEST AND EVALUATION		768	0	0	0	0	0	0	0	0	768
TOTAL FUNDING		204,132	30,079	20,741	25,676	28,406	28,606	54,924	27,012	13,740	433,316

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 424400 AVIATION LIFE SUPPORT SYSTEMS									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 2001			FY 2002			FY 2003						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	
SY030	NEW SURVIVAL RADIO	A	9,083	5,063	1,760	8,911	4,062	1,835	7,454	1,961	1,524	2,988				
SY060	CSEL *	B	0	0		0	200	14.515	2,903	1,502	10.414	15,642				
SY085	JALEPV**	A	0	0		0	50	42.960	2,148	600	1.747	1,048				
SY087	LASER EYE PROTECTION (LEPIP) - R-TOC	A	0	0		930	0		1,170	0		0				
SY110	HABDS	A	0	1,075	0.327	351	786	0.385	303	0		0				
SY115	PHABDS	A	0	9,234	0.502	4,636	0		0	0		0				
SY120	AIRSAVE	A	4,688	162	1.142	185	155	1.471	228	0		0				
SY140	PAESS (NDI)	A	1,637	100	0.750	75	475	0.724	344	475	0.724	344				
SY155	RESCUE SWIMMERS' DRY SUIT (ARSD)	A	80	281	0.690	194	0		0	0		0				
SY170	NAVY COMBAT EDGE (NCE)	A	5,315	246	3.553	874	0		0	0		0				
SY210	NIGHT VISION DEVICES (TACTICAL)***	A	9,235	45	9.111	410	117	5.713	670	148	5.713	851				
SY212	NIGHT VISION GOGGLES (ROTARY)	A	21,883	1,419	5.711	8,104	250	5.644	1,411	265	5.649	1,497				
SY220	LOW PROFILE FLOTATION COLLAR	A	4,453	2,538	0.381	967	0		0	0		0				
SY400	LOX TO OBOGS (TOC)	B	0	0		0	0		0	2	250.000	500				
SY830	PRODUCTION SUPPORT SERVICES		26,230			4,442			4,110			2,806				
SY860	TEST AND EVALUATION		768			0			0			0				
	OTHER COSTS		120,760													
* SY060 - The Unit Cost is NOT the actual individual cost of a single CSEL HHR - it is the total hardware "fly away" cost computed by dividing the total yearly hardware cost by the number of radios procured. It includes the cost of the HHR, the required CSEL Planning Equipment (CPC + RSA + Crypto Loader, on a 12:1 HHR-CPE ratio), batteries, 10-year HHR warranty and ancillary equipment. **SY085 - FY 02 -This price includes Production Set-up, First Article Tesing, Initial LRIP (50) *** SY210 - FY01 Unit Cost is NOT the actual individual cost of a single NVD - It also includes 106 Wiring Harnesses, which are required for the system. DERF FUNDING IN THE AMOUNT OF \$10 MILLION WAS RECEIVED TO PURCHASE PRC-112B RADIOS, ISSUE #65081. THESE WERE ISSUED UNDER SUBHEAD 4F03 PROJECT UNIT 03120 . THESE RADIOS ARE BEING PROCURED BY THE NAVY, AIR FORCE AND ARMY.																
			204,132			30,079			20,741			25,676				

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WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System										DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 424400 AVIATION LIFE SUPPORT SYSTEMS													
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS															
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total	
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost
SY030	NEW SURVIVAL RADIO	1523	1.877	2,859	1453	1.944	2,825	1323	2.014	2,664	0	0	0	4,854	9,776	23,165	46,560
SY060	CSEL *	1945	9.524	18,524	2467	9.008	22,222	5,986	8.223	49,222	2,900	8.410	24,388	0	0	15,000	132,901
SY085	JALEPV	600	1.747	1,048	600	1.747	1,048	600	1.747	1,048	365	1.748	638	685	1,197	3,500	8,175
SY087	LASER EYE PROTECTION (LEPIP) - R-TOC	0		0	0	0	0	0	0	0	0	0	0	0	0	0	2,100
SY110	HABDS	0		0	0	0	0	0	0	0	0	0	0	0	0	1,861	654
SY115	PHABDS	0		0	0	0	0	0	0	0	0	0	0	0	0	9,234	4,636
SY120	AIRSAVE	0		0	0	0	0	0	0	0	0	0	0	0	0	3,900	5,101
SY140	PAESS (NDI)	0		0	0	0	0	0	0	0	0	0	0	0	0	1,800	2,400
SY155	RESCUE SWIMMERS' DRY SUIT (ARSD)	0		0	0	0	0	0	0	0	0	0	0	0	0	400	274
SY170	NAVY COMBAT EDGE (NCE)	0		0	0	0	0	0	0	0	0	0	0	0	0	1,288	6,189
SY210	NIGHT VISION DEVICES (TACTICAL)	296	5.713	1,696	0	0	0	0	0	0	0	0	0	165	1,028	2,096	13,890
SY212	NIGHT VISION GOGGLES (ROTARY)	294	5.646	1,660	0	0	0	0	0	0	0	0	0	33	186	5,856	34,741
SY220	LOW PROFILE FLOTATION COLLAR	0		0	0	0	0	0	0	0	0	0	0	4,075	1,553	18,000	6,973
SY400	LOX TO OBOGS (TOC)	1	100.000	100	0	0	0	0	0	0	0	0	0	0	0	3	600
SY830	PRODUCTION SUPPORT SERVICES			2,519			2,511			1,990			1,986				46,594
SY860	TEST AND EVALUATION																768
	OTHER COSTS																120,760
				28,406			28,606			54,924			27,012		13,740		433,316

* SY060 - The Unit Cost is NOT the actual individual cost of a single CSEL HHR - it is the total hardware "fly away" cost computed by dividing the total yearly hardware cost by the number of radios procured.
It includes the cost of the HHR, the required CSEL Planning Equipment (CPC + RSA + Crypto Loader, on a 12:1 HHR-CPE ratio), batteries, 10-year HHR warranty and ancillary equipment.

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2002		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
SY030 NEW SURVIVAL RADIO										
FY-2002	4,062	1.835	NAVAIR	N/A	OPTION	TADIRAN SPECTRALINK	12/01	08/02	YES	N/A
FY-2003	1,961	1.524	NAVAIR	04/02	FFP	HOLON, ISRAEL	12/02	08/03	YES	N/A
SY060 COMBAT SURVIVOR EVADER LOCATOR										
FY-2002	200	14.515	AFMS/SMC	N/A	FFP	BOEING, NORTH	02/02	12/02	YES	N/A
FY-2003	1,502	10.414	AFMS/SMC	N/A	IDIQ	AMERICAN, ANAHEIM CA	02/03	04/03	YES	N/A
SY085 JALEPV										
FY-2002	50	42.96	NAVAIR	N/A	CPFF	AOTEC	04/02	06/02	YES	N/A
FY-2003	600	1.747	NAVAIR	N/A	CPFF	SOUTHBRIDGE, MASS	04/03	06/03	YES	N/A
SY110 HABDS										
FY-2002	786	0.385	NAVAIR	N/A	OPTION	VISTA, CA	03/02	09/02	YES	N/A
SY120 AIRSAVE										
FY-2002	155	1.471	DSC-P, PHIL	N/A	MILSTRIPS	VARIOUS	01/02	04/02	YES	N/A
SY140 PAESS (NDI)										
FY-2002	475	0.724	NAWCAD/PAX	N/A	OPTION	Concorde AeroSales	03/02	06/02	YES	N/A
FY-2003	475	0.724	NAWCAD/PAX	N/A	OPTION	Ft. Lauderdale, FL	03/03	06/03	YES	N/A
D. REMARKS										

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 2002		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE 424400 AVIATION LIFE SUPPORT SYSTEMS				SUBHEAD 43SY	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
SY210 NIGHT VISION DEVICES (TACTICAL)										
FY-2001	45	9.111	NAVAIR	N/A	OPTION	ITT, ROANOKE, VA	02/02	08/02	YES	N/A
FY-2002	117	5.713	NAVAIR	N/A	OPTION		02/02	08/02	YES	N/A
FY-2003	148	5.713	NAVAIR	N/A	OPTION		02/03	08/03	YES	N/A
SY212 NIGHT VISION GOGGLES (ROTARY)										
FY-2001	1,419	5.711	NAVAIR	N/A	OPTION	ITT, ROANOKE, VA	06/01	08/02	YES	N/A
FY-2002	250	5.644	NAVAIR	N/A	OPTION		02/02	01/03	YES	N/A
FY-2003	265	5.649	NAVAIR	N/A	OPTION		02/03	01/04	YES	N/A
SY400 LOX TO OBOGS (TOC)										
FY-2003	2	250	NAWCAD/PAX	12/02	Competitive	TBD	03/03	03/04	YES	N/A
D. REMARKS										

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT				Date: February 2002		
P-1 ITEM NOMENCLATURE BLI 424400 NEW SURVIVAL RADIO		Admin Leadtime (after Oct 1): 2 MONTHS				Production Leadtime: 8 MONTHS		
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary		5063	4062	1961	1523	1453	1323	
Unit Cost		1.76	1.84	1.52	1.88	1.94	2.01	
Total Cost		8,911	7,454	2,988	2,859	2,825	2,664	
Asset Dynamics								
Beginning Asset Position		1326	4191	8801	12377	14012	15535	16988
Deliveries from all prior year funding		1600	0	0	0	0	0	0
Deliveries from FY 2001 funding		1265	3798	0	0	0	0	0
Deliveries from FY 2002 funding		0	812	3250	0	0	0	0
Deliveries from FY 2003 funding		0	0	326	1635	0	0	0
Deliveries from subsequent years' funding		0	0	0	0	1523	1453	1323
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position		4191	8801	12377	14012	15535	16988	18311
Inventory Objective or Current Authorized Allowance		23165	23165	23165	23165	23165	23165	23165
Inventory Objective 23165	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01		Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 2000:	FY 2000:		FY 2000:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1999:	FY 1999:		FY 1999:				BAI
Other:	FY 1998:	FY 1998:		FY 1998:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT				Date: February 2002		
P-1 ITEM NOMENCLATURE BLI 424400		Admin Leadtime (after Oct 1): 3 MONTHS				Production Leadtime: 2 MONTHS		
COMBAT SURVIVOR EVADER LOCATOR (CSEL)								
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary		0	200	1,502	1,945	2,467	5,986	2,900
Unit Cost		0.00	14.52	10.41	9.52	9.01	8.22	8.41
Total Cost		0	2,903	15,642	18,524	22,222	49,222	24,388
Asset Dynamics								
Beginning Asset Position			0	200	950	1,902	3,647	6,114
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 2001 funding			0	0	0	0	0	0
Deliveries from FY 2002 funding			200	0	0	0	0	0
Deliveries from FY 2003 funding			0	750	752	0	0	0
Deliveries from subsequent years' funding			0	0	0	1,945	2,467	5,986
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			200	950	1,902	3,647	6,114	12,100
Inventory Objective or Current Authorized Allowance			15,000	15,000	15,000	15,000	15,000	15,000
Inventory Objective 15000	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01		Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 2000:	FY 2000:		FY 2000:		Vehicle Augment:		Attrition Res:
Pipeline:	FY 1999:	FY 1999:		FY 1999:				BAI
Other:	FY 1998:	FY 1998:		FY 1998:				Inactive Inv:
TOTAL:								Storage:
Remarks:								

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Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT				Date: February 2002	
P-1 ITEM NOMENCLATURE BLI 424400		Admin Leadtime (after Oct 1): 4 MONTHS				Production Leadtime: 11 MONTHS	
NIGHT VISION GOGGLES (ROTARY)							
		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006
Buy Summary		1419	250	265	294		
Unit Cost		5.71	5.64	5.65	5.65		
Total Cost		8,104	1,411	1,497	1,660		
Asset Dynamics							
Beginning Asset Position		930	3031	3831	5264	5529	
Deliveries from all prior year funding		2101	564	0	0	0	
Deliveries from FY 2001 funding		0	236	1183	0	0	
Deliveries from FY 2002 funding		0	0	250	0	0	
Deliveries from FY 2003 funding		0	0	0	265	0	
Deliveries from subsequent years' funding		0	0	0	0	294	
Other Gains							
Combat Losses/Usage							
Training Losses/Usage							
Test Losses/Usage							
Other Losses/Usage							
Disposals/Retirements/Attritions/etc.							
End of Year Asset Position		3031	3831	5264	5529	5823	5823
Inventory Objective or Current Authorized Allowance		5856	5856	5856	5856	5856	5856
Inventory Objective 5856	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)	Vehicles Eligible for FY 2002 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2001 thru 31 Jul 01	FY 2001 thru 31 Jul 01		FY 2001 thru 31 Jul 01	Vehicles Eligible for FY 2003 Replacement:		PAA: TAI
WRM Rqmt:	FY 2000:	FY 2000:		FY 2000:	Vehicle Augment:		Attrition Res:
Pipeline:	FY 1999:	FY 1999:		FY 1999:			BAI
Other:	FY 1998:	FY 1998:		FY 1998:			Inactive Inv:
TOTAL:							Storage:
Remarks:							

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BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI # 424800					
Program Element for Code B Items: 0604373N							Other Related Program Elements 0204302N					
	Prior Years	ID Code		FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)		B		\$29.6	\$38.0	\$19.5	\$20.6	\$77.0	\$74.6	\$167.8	Cont.	Cont.
SPARES COST (In Millions)				\$1.6	\$2.4	\$2.8	\$5.8	\$8.2	\$2.7	\$4.2	Cont.	Cont.
<p>Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in support of the development of an Organic Fleet AMCM program. The equipment is divided into two broad categories -- minesweeping and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.</p> <p>S0020 - Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components. Funding for this effort is designated in all fiscal years.</p> <p>S0061 - The MK-105 Mod 4 magnetic minesweeping system is a hydrofoil platform that carries a turbo-generator power pack and is towed by a MH-53E helicopter, allowing for safe, high speed sweeping of coarse magnetic influence mines at twice the output of the current MK-105. The technological upgrade increases supportability, reliability and maintainability (R&M), and increases operational effectiveness.</p> <p>S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from the helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines. FY 2002 - FY 2003 procurements supports the MH-53E airframe.</p> <p>S0071 - AN/AQS-14A LLSS provides a mine identification deployment contingency capability to significantly increase the speed of mine clearing operations. It involves integration of an off-the-shelf SM2000 Laser Line Scanner into the AN/AQS-14A minehunting system.</p> <p>S0073 - AN/AQS-20 funding provided in FY 2001 - FY 2002 supports Limited Production (MH-53E) . FY 2003 funding for AN/AQS-20 towed bodies which support the current MH-53E program and would convert efficiently to the MH-60S/AN/AQS-20X program by later modification. The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E.</p>												

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA-3: NAVY/AVIATION SUPPORT EQUIPMENT						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD								
						B	Airborne Mine Countermeasures/73S0								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S0020	MODIFICATION	A						2,089			2,773			2,869	
S0061	<u>MK-105 Mod 4</u>	A					0			0					
	SUPPORT EQUIPMENT						331			242					
	CONVERSION						1,461			1,513					
	S0061 TOTAL						1,792			1,755					
S0071	<u>Unit Cost - AN/AQS-14A LLSS</u>	A				4	1,034	4,135							
	ILS/PUBS/TECH DATA							128							
	S0063 TOTAL							4,263							
S0073	<u>Unit Cost - AQS-20</u>	A				3	5,830	17,490	3	6,312	18,936	2	5,654	11,308	
	NON-RECURRING ENGINEERING							0			0			0	
	ENGINEERING CHANGE PROPOSALS							2,281			0			0	
	ILS/PUBS/TECH DATA							1,715			1,926			857	
	TRAINING EQUIPMENT							0			1,364			896	
	S0073 TOTAL							21,486			22,226			13,061	
S0065	<u>Unit Cost - AMNS</u>	B							6	1,169	7,012	2	1,440	2,879	
	Unit Cost - NEUTRALIZERS								60	51	3,049			200	
	SUPPORT EQUIPMENT										600			200	
	ILS/PUBS/TECH DATA										295			212	
	TRAINING EQUIPMENT										301			278	
	S0065 TOTAL										11,257			3,569	
Subtotal								29,630			38,011			19,499	

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE February 2002			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI 424800				SUBHEAD 73S0	
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FISCAL YEAR (01)										
AQS-20 - S0073	3	5830	NAVSEA	10/00	OPTION	RAYTHEON, PORTSMOUTH, RI NORTHROP-GRUMMAN,	2/01	4/03	YES	
AN/AQS-14A LLSS - S0071	4	1034	NAVSEA	10/00	SS/FP		12/00	12/01	YES	
FISCAL YEAR (02)										
AQS-20 - S0073	3	6312	NAVSEA	10/01	OPTION	RAYTHEON, PORTSMOUTH, RI LM/STN ATLAS, SYRACUSE, NY	11/01	1/04	YES	
AMNS - S0065	6	1169	NAVSEA	03/02	SS/FP		5/02	5/03	YES	
FISCAL YEAR (03)										
AQS-20X - S0073	2	5654	NAVSEA	10/02	OPTION	RAYTHEON, PORTSMOUTH, RI LM/STN ATLAS, SYRACUSE, NY	10/02	9/04	YES	
AMNS - S0065	2	1440	NAVSEA	10/02	OPTION		11/02	11/03	YES	
D. REMARKS FY01 & FY02 was a LRIP from a AN/AQS-20 PDM decision SEPT 00. FY03 provides AN/AQS-20 towed bodies. FY02 and FY03 AMNS funding will be used to procure a total of eight systems from a MS C decision April 02.										

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET P-40

DATE:

February 2002

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE

LAMPS MK III SHIPBOARD EQUIPMENT/ U3S1

Program Element for Code B Items:

425505

Other Related Program Elements

	Prior Years	ID Code	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY*	0	B	0	0	0	2	22	33	39	46	224	366
COST (In Millions)	\$0.0	B	\$0.0	\$0.0	\$0.0	\$5.5	\$23.0	\$27.2	\$30.9	\$35.3	\$176.5	\$298.3

This program provides for procurement of the ship/airborne Tactical Common Data Link (TCDL). The TCDL consists of an SRQ(Ku)4 and an AN/ARQ-(Ku)44. This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III to the host ship classes of cruisers, destroyers and frigates. Production procurement quantities primarily reflect each fiscal years financial budget. Integrated Logistic Support (ILS) and Production Support remain relatively constant throughout the production profile.

FY03 commences procurement of Tactical Common Data Link (TCDL) assets.

FY04-FY07 procurement continues of TCDL production.

* Quantities include SRQ(Ku)4 and AN/ARQ(Ku)44

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 2002		
APPROPRIATION/BUDGET ACTIVITY				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD										
OTHER PROCUREMENT, NAVY/ BA3 AVIATION SUPPORT EQUIPMENT				B	LAMPS MK III SHIPBOARD EQUIPMENT										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002			FY 2003		
			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	B											1	660	660
S1011	AN/ARQ(Ku)44	B											1	631	631
S1800	Integrated Logistics Support	B													660
S1830	Production Engineering	B													3,337
S1860	Acceptance, Test & Evaluation	B													200
S1900	Installation - NFMP	B													
S1910	Installation - FMP	B													
															5,488

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WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System				DATE: February 2002											
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy / BA-3				ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD LAMPS MK III SHIPBOARD EQUIPMENT														
COST CODE	ELEMENT OF COST	TOTAL COST IN THOUSANDS OF DOLLARS																	
		FY 2004			FY 2005			FY 2006			FY 2007			To Complete		Total			
		Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Cost	Quantity	Cost		
S1010	SRQ(Ku)4	8	660	5,280	12	660	7,920	12	660	7,920	15	660	9,900	54	35,640	102	67,320		
S1011	AN/ARQ(Ku)44	14	649	9,084	21	648	13,614	27	647	17,478	31	645	19,993	170	112,200	264	173,000		
S1800	Integrated Logistics Support			1,215			3,862			2,774			2,873		14,935		26,320		
S1830	Production Engineering			7,229			1,479			1,372			1,174		5,570		20,161		
S1860	Acceptance, Test & Evaluation			100													300		
S1900	Installation - NFMP																		
S1910	Installation - FMP			110			330			1,320			1,320		8,140		11,220		
						23,018			27,205			30,864			35,260	224	176,485	366	298,320

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy / BA-3					C. P-1 ITEM NOMENCLATURE LAMPS MK III SHIPBOARD EQUIPMENT				SUBHEAD 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 2003	1	660	TBD	May-02	FFP	TBD	Nov-02	Jun-04	No	TBD	
S1011 AN/ARQ(Ku)44 FY2003	1	660	TBD		FFP	TBD	Nov-02	Jun-04	No	TBD	
D. REMARKS											

CLASSIFICATION: UNCLASSIFIED

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Lamps MK III TYPE MODIFICATION: KU BAND TCDL MODIFICATION TITLE: SRQ(Ku)4

DESCRIPTION/JUSTIFICATION:

This program provides for procurement of the ship/airborne Tactical Common Data Link (TCDL). This system encompasses hardware and software to transmit sensor data from the Light Airborne Multi-Purpose System (LAMPS) MK III to the host ship classes of cruisers, destroyers and frigates.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III - October 2003

FINANCIAL PLAN (IN MILLIONS)	FY 1998 & Prior		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		IC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>RDT&E</u>																									
<u>PROCUREMENT</u>																									
INSTALLATION KITS										1	0.660	8	5.280	12	7.920	12	7.920	15	9.900	54	35.640	102	67.320		
INSTALLATION KITS - UNIT COST											0.660		0.660		0.660		0.660		0.660		0.660		0.660		
INSTALLATION KITS NONRECURRING																									
EQUIPMENT																									
EQUIPMENT NONRECURRING																									
ENGINEERING CHANGE ORDERS																									
DATA																									
TRAINING EQUIPMENT																									
SUPPORT EQUIPMENT																									
OTHER																									
OTHER																									
OTHER SUPPORT											2.099		4.217		2.506		1.413		1.364		6.183		17.780		
INTERIM CONTRACTOR SUPPORT																									
INSTALL COST											1	0.110	3	0.330	12	1.320	12	1.320	74	8.140	102	11.220			
TOTAL PROCUREMENT											2.759		9.607		10.756		10.653		12.584		49.963		96.320		

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: Lamps MK III MODIFICATION TITLE: SRQ(Ku)4

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: _____

ADMINISTRATIVE LEADTIME: 2 Months

PRODUCTION LEADTIME: 19 Months

CONTRACT DATES: FY 2001: N/A

FY 2002: N/A FY 2003: Nov-02

DELIVERY DATE: FY 2001: N/A

FY 2002: N/A FY 2003: Jun-03

(\$ in Millions)

Cost:	Prior Years		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		FY 2006		FY 2007		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
PRIOR YEARS																									
FY 1999 EQUIPMENT																									
FY 2000 EQUIPMENT																									
FY 2001 EQUIPMENT																									
FY 2002 EQUIPMENT																									
FY 2003 EQUIPMENT												1	0.110											1	0.110
FY 2004 EQUIPMENT														3	0.330		5	0.550						8	0.880
FY 2005 EQUIPMENT																7	0.770			5		0.550		12	1.320
FY 2006 EQUIPMENT																		7		0.770		5	0.550	12	1.320
FY 2007 EQUIPMENT																						15	1.650	15	1.650
TO COMPLETE																						54	5.940	54	5.940

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				FY 2006				FY 2007				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
In	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	3	3	3	3	3	3	3	3	74	102
Out	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	3	3	3	3	3	3	3	3	3	74	102

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 2002				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$246.6	A	\$23.0	\$23.9	\$12.4	\$5.1	\$6.5	\$6.6	\$6.7	CONT	CONT
<p>The following items are funded in this line:</p> <p>1. <u>NAVAIR Office Information System (OIS) Headquarters Support Equipment (S7020):</u></p> <p>This program finances the procurement of investment items critical to the efficient and effective execution of NAVAIR Headquarters mission needs. Funding for the NAVAIR Electronic Acquisition efforts for FY 2000 through 2007 are financed in this line. Funding for Enterprise Resource Planning (ERP) efforts for FY2000 ONLY are financed in this line. ERP funding FY2001 through FY2004 is identified in the Command Support Equipment BLI 81060.</p> <p><u>Electronic Acquisition</u> - 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 state.</p> <p>2. <u>PEO (A) Industrial Facilities Equipment (S7030):</u></p> <p>Procures upgrades for the sonobouy test equipment at Naval Surface Warfare Center (NSWC) Crane, IN.</p> <p>3. <u>Naval Aviation Logistics Data Analysis (NALDA) Support Upgrade to NALDA II (S7040):</u></p> <p>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.</p> <p>Congressionally added funds in FY 2001 and FY 2002 were required to deploy Joint Tactical Data Integration (JTDI) for the joint warfighter maintenance community to procure hardware and software necessary for the warfighter with a production system. This system fully integrates access to digital technical data, and provides the DoD with the weapon system data and component databases required to efficiently support life cycle logistics, it's attendant chain of supply and maintenance digitized, integrated and managed program data while reducing Total Ownership Costs (TOC) in support of the warfighter.</p> <p>Funding budgeted in FY 2002 and FY 2003 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. 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.</p>											

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BUDGET ITEM JUSTIFICATION SHEET P-40						DATE: February 2002					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT						P-1 ITEM NOMENCLATURE OTHER AVIATION SUPPORT EQUIPMENT					
Program Element for Code B Items:						Other Related Program Elements					
	Prior Years	ID Code	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY											
COST (In Millions)	\$246.6	A	\$23.0	\$23.9	\$12.4	\$5.1	\$6.5	\$6.6	\$6.7	CONT	CONT
<p>3. <u>Naval Aviation Logistics Data Analysis (NALDA) Support Upgrade to NALDA II (S7040):</u> CONT'D</p> <p>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 DISA TAFIM and Common Operating Environment (COE).</p>											

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WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 2002			
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT						ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2001			FY 2002			FY 2003					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S7020	NAVAIR OIS Headquarters SE	A	49,464			1,300			2,064			1,479			
S7030	PEO (A) Industrial Facilities Equipment	A	2,985			207			201			185			
S7040	NALDA	A	23,486			4,464			9,965			9,902			
S7040	NALDA - hardware and software in support of NALCOMIS Optimization.	A							3,357			874			
S7040	NALDA Joint Tactical Data Integration (JTDI)	A				17,000			8,325						
	Various 1/		170,706												
			246,641			22,971			23,912			12,440			0

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY2000 and beyond.

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B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT					OTHER AVIATION SUPPORT EQUIPMENT				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 FY 2002	1 LOT	12,252	NICP	N/A	OPTION	InterGraph/Severn/NCR	12/01	12/01	YES	N/A
	1 LOT	53	NAWCAD	N/A	OGA	Government	12/01	12/01	YES	N/A
	1 LOT	1,017	SPAWAR/Shipyards	N/A	OGA	Government	12/01	12/01	YES	N/A
S7040-JTDI FY 2002	1 LOT	7,300	NICP	N/A	OPTION	InterGraph	1/02	3/02	YES	N/A
	1 LOT	1,025	NAWC	N/A	OGA	Government	1/02	2/02	YES	N/A
S7040-NALDA FY 2003	1 LOT	9,723	NICP	N/A	OPTION	InterGraph/Severn/NCR	12/02	2/03	YES	N/A
	1 LOT	53	NAWCAD	N/A	OGA	Government	12/02	2/03	YES	N/A
	1 LOT	1,000	SPAWAR/Shipyards	N/A	OGA	Government	12/02	2/03	YES	N/A
D. REMARKS										
* Quantities reflect complete systems comprised of several components.										