DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2002
AMENDED BUDGET SUBMISSION

JUSTIFICATION OF ESTIMATES
JUNE 2001

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

DEPARTMENT OF THE NAVY

FY 2002 PROCUREMENT PROGRAM

SUMMARY
($ IN MILLIONS)

JUNE 2001

APPROPRIATION: OTHER PROCUREMENT, NAVY

ACTIVITY	FY 2000	FY 2001	FY 2002
01. SHIPS SUPPORT EQUIPMENT	899.4	619.7	742.0
02. COMMUNICATIONS AND ELECTRONICS EQUIPMENT	1,932.7	1,556.7	1,411.9
03. AVIATION SUPPORT EQUIPMENT	246.5	257.7	228.4
04. ORDNANCE SUPPORT EQUIPMENT	629.1	470.4	663.2
05. CIVIL ENGINEERING SUPPORT EQUIPMENT	63.9	108.4	84.3
06. SUPPLY SUPPORT EQUIPMENT	147.6	150.1	512.0
07. PERSONNEL AND COMMAND SUPPORT EQUIPMENT	104.3	109.9	221.6
08. SPARES AND REPAIR PARTS	260.6	206.4	234.1
TOTAL OTHER PROCUREMENT, NAVY	4,284.1	3,479.3	4,097.6

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
	BUDGET ACTIVITY 01: SHIPS SUPPORT EQUIPMENT								
	SHIP PROPULSION EQUIPMENT								
1	LM-2500 GAS TURBINE	A		6.7		6.9		7.1	U
2	ALLISON 501K GAS TURBINE	A		8.2		6.2		6.9	U
	PROPELLERS								
3	SUBMARINE PROPELLERS	A				3.7		4.5	U
	NAVIGATION EQUIPMENT								
4	OTHER NAVIGATION EQUIPMENT	A		94.5		50.0		45.9	U
	UNDERWAY REPLENISHMENT EQUIPMENT								
5	UNDERWAY REPLENISHMENT EQUIPMENT	A		14.5		8.3		1.8	U
	PERISCOPES								
6	SUB PERISCOPES & IMAGING EQUIP	A		62.2		18.8		29.2	U
	OTHER SHIPBOARD EQUIPMENT								
7	FIREFIGHTING EQUIPMENT	A		15.5		16.7		17.5	U
8	COMMAND AND CONTROL SWITCHBOARD	A		17.0		10.4		9.1	U
9	POLLUTION CONTROL EQUIPMENT	B		103.7		47.4		67.0	U
10	SUBMARINE SUPPORT EQUIPMENT	A		51.2		11.3		6.8	U
11	SUBMARINE BATTERIES	A		13.2		12.3		10.9	U
12	STRATEGIC PLATFORM SUPPORT EQUIP	A		20.8		18.0		11.3	U
13	DSSP EQUIPMENT	A		7.8		5.3		7.5	U
14	LCAC	A		4.0		3.5			U
15	MINESWEEPING EQUIPMENT	A		20.5		16.4		20.2	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
16	ITEMS LESS THAN $5 MILLION	A		125.1		64.9		79.3	U
17	SURFACE IMA	A				2.0			U
18	SUBMARINE LIFE SUPPORT SYSTEM	A		1.8		4.8		4.9	U
	REACTOR PLANT EQUIPMENT								
19	REACTOR COMPONENTS	A		197.4		201.5		208.8	U
	OCEAN ENGINEERING								
20	DIVING AND SALVAGE EQUIPMENT	A		5.4		5.6		5.7	U
21	EOD UNDERWATER EQUIPMENT	B		*					U
	SMALL BOATS								
22	STANDARD BOATS	A		3.2		2.7		32.2	U
	TRAINING EQUIPMENT								
23	OTHER SHIPS TRAINING EQUIPMENT	A		3.8		3.3		16.8	U
	PRODUCTION FACILITIES EQUIPMENT								
24	OPERATING FORCES IPE	A		7.7		19.5		27.5	U
	OTHER SHIP SUPPORT								
25	NUCLEAR ALTERATIONS	A		108.0		80.1		121.1	U
	DRUG INTERDICTION SUPPORT								
26	DRUG INTERDICTION SUPPORT	A		6.9					U
TOTAL SHIPS SUPPORT EQUIPMENT				899.4		619.7		742.0	
BUDGET ACTIVITY 02: COMMUNICATIONS AND ELECTRONICS EQUIPMENT									
	SHIP RADARS								
27	AN/SPS-49	A		2.2					U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
28	RADAR SUPPORT	A		19.8		24.8			U
29	TISS	A		1.8					U
	SHIP SONARS								
30	AN/SQQ-89 SURF ASW COMBAT SYSTEM	A		31.3		14.2		16.6	U
31	SSN ACOUSTICS	A		211.9		111.6		113.0	U
32	UNDERSEA WARFARE SUPPORT EQUIPMENT	A		11.5		2.8		4.3	U
33	SURFACE SONAR WINDOWS AND DOME	A				5.0			U
34	SONAR SUPPORT EQUIPMENT	A		3.0					U
35	SONAR SWITCHES AND TRANSDUCERS	A		13.2		10.6		10.8	U
	ASW ELECTRONIC EQUIPMENT								
36	SUBMARINE ACOUSTIC WARFARE SYSTEM	A		13.0		10.6		12.6	U
37	FIXED SURVEILLANCE SYSTEM	A		16.2		29.6		33.7	U
38	SURTASS	A		7.1		5.5		17.7	U
39	ASW OPERATIONS CENTER	A		4.3		6.2		6.1	U
	ELECTRONIC WARFARE EQUIPMENT								
40	AN/SLQ-32	A		1.9				2.0	U
41	INFORMATION WARFARE SYSTEMS	A		4.0		3.9		2.9	U
	RECONNAISSANCE EQUIPMENT								
42	SHIPBOARD IW EXPLOIT	A		50.3		60.5		57.5	U
43	COMMON HIGH BANDWIDTH DATA LINK	A		35.3					U
	SUBMARINE SURVEILLANCE EQUIPMENT								
44	SUBMARINE SUPPORT EQUIPMENT PROG	A		39.3		17.2		22.9	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
	OTHER SHIP ELECTRONIC EQUIPMENT								
45	NAVY TACTICAL DATA SYSTEM	A		28.8		6.9			U
46	COOPERATIVE ENGAGEMENT CAPABILITY	B		59.4		33.5		77.1	U
47	GCCS-M EQUIPMENT	A		25.6		43.1		61.1	U
48	NAVAL TACTICAL COMMAND SUPPORT SYSTEM	A		57.7		54.4		42.8	U
49	ATDLS	A		18.4		19.0		10.0	U
50	MINESWEEPING SYSTEM REPLACEMENT	A		18.0		12.8		8.9	U
51	SHALLOW WATER MCM	B		11.3		16.2			U
52	NAVSTAR GPS RECEIVERS (SPACE)	A		8.6		9.5		9.9	U
53	ARMED FORCES RADIO AND TV	A		9.4		9.0		14.6	U
54	STRATEGIC PLATFORM SUPPORT EQUIP	A		24.1		15.2		11.4	U
	TRAINING EQUIPMENT								
55	OTHER SPAWAR TRAINING EQUIPMENT	A		1.0		1.3		1.8	U
56	OTHER TRAINING EQUIPMENT	A		50.3		29.1		37.2	U
	AVIATION ELECTRONIC EQUIPMENT								
57	MATCALS	A		10.6		4.2		1.0	U
58	SHIPBOARD AIR TRAFFIC CONTROL	B		7.4		7.8		8.0	U
59	AUTOMATIC CARRIER LANDING SYSTEM	A		17.9		18.2		15.6	U
60	NATIONAL AIR SPACE SYSTEM	B		34.3		30.0		43.6	U
61	AIR STATION SUPPORT EQUIPMENT	A		8.8		6.6		7.4	U
62	MICROWAVE LANDING SYSTEM	A		5.2		5.0		5.4	U
63	FACSFAC	A		3.6		4.2		1.2	U
64	ID SYSTEMS	A		9.2		14.0		18.3	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
65	SURFACE IDENTIFICATION SYSTEMS	A		.6		1.5			U
66	TAC A/C MISSION PLANNING SYS(TAMPS)	A		20.5		11.8		13.4	U
	OTHER SHORE ELECTRONIC EQUIPMENT								
67	GCCS-M EQUIPMENT ASHORE	A		9.1					U
68	TADIX-B	A		18.3		6.0			U
69	NAVAL SPACE SURVEILLANCE SYSTEM	A		7.6		2.7		4.9	U
70	GCCS-M EQUIPMENT TACTICAL/MOBILE	A		13.7					U
71	COMMON IMAGERY GROUND SURFACE SYSTEMS	A		40.3		46.2		58.4	U
72	RADIAC	A		4.2		8.2		7.9	U
73	GPETE	A		7.6		7.3		4.7	U
74	INTEG COMBAT SYSTEM TEST FACILITY	A		4.3		4.4		4.5	U
75	EMI CONTROL INSTRUMENTATION	A		6.4		8.3		5.2	U
76	ITEMS LESS THAN $5 MILLION	A		13.9		11.8		6.3	U
	SHIPBOARD COMMUNICATIONS								
77	SHIPBOARD TACTICAL COMMUNICATIONS	A		25.8					U
78	SHIP COMMUNICATIONS AUTOMATION	A		229.1		184.4		121.2	U
79	SHIP COMM ITEMS UNDER $5 MILLION	A		26.8					U
80	COMMUNICATIONS ITEMS UNDER $5M	A				43.1		24.3	U
	SUBMARINE COMMUNICATIONS								
81	SHORE LF/VLF COMMUNICATIONS	A		35.1		31.1		17.5	U
82	SUBMARINE COMMUNICATION EQUIPMENT	A		83.2		77.2		89.3	U
	SATELLITE COMMUNICATIONS								
83	SATCOM SHIP TERMINALS (SPACE)	A		219.4					U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
84	SATELLITE COMMUNICATIONS SYSTEMS	A				201.0		198.1	U
85	SATCOM SHORE TERMINALS (SPACE)	A		56.1					U
	SHORE COMMUNICATIONS								
86	JCS COMMUNICATIONS EQUIPMENT	A		3.6		2.4		4.6	U
87	ELECTRICAL POWER SYSTEMS	A						1.3	U
88	NSIPS	A		4.8		1.8		14.2	U
89	JEDMICS	A		16.9		11.9			U
90	NAVAL SHORE COMMUNICATIONS	A		124.1		163.1		66.8	U
	CRYPTOGRAPHIC EQUIPMENT								
91	INFO SYSTEMS SECURITY PROGRAM (ISSP)	A		61.6		58.0		78.2	U
	CRYPTOLOGIC EQUIPMENT								
92	SPECIAL DCP	A				14.8			U
93	CRYPTOLOGIC COMMUNICATIONS EQUIP	A		20.6		17.0		15.6	U
	DRUG INTERDICTION SUPPORT								
94	OTHER DRUG INTERDICTION SUPPORT	A		3.8					U
	TOTAL COMMUNICATIONS AND ELECTRONICS EQUIPMENT			1,932.7		1,556.7		1,411.9	
	BUDGET ACTIVITY 03: AVIATION SUPPORT EQUIPMENT								
	SONOBUOYS								
95	PASSIVE SONOBUOYS (NON-BEAM FORMING)	A		20.1					U
96	AN/SSQ-62 (DICASS)	A		16.6					U
97	AN/SSQ-101 (ADAR)	B		16.6					U
98	SONOBUOYS - ALL TYPES	A				57.5		57.9	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
99	MISCELLANEOUS SONOBUOYS LESS THAN $5 M	A		2.2					U
	AIRCRAFT SUPPORT EQUIPMENT								
100	WEAPONS RANGE SUPPORT EQUIPMENT	A		22.8		38.7		10.1	U
101	EXPEDITIONARY AIRFIELDS	A		.1		3.2		7.6	U
102	AIRCRAFT REARMING EQUIPMENT	A		12.2		10.5		12.3	U
103	AIRCRAFT LAUNCH & RECOVERY EQUIPMENT	A		39.6		35.8		27.5	U
104	METEOROLOGICAL EQUIPMENT	A		31.6		30.6		29.8	U
105	OTHER PHOTOGRAPHIC EQUIPMENT	A		1.6		1.7		1.7	U
106	AVIATION LIFE SUPPORT	A		36.0		26.2		21.0	U
107	AIRBORNE MINE COUNTERMEASURES	A		39.9		31.8		46.9	U
108	OTHER AVIATION SUPPORT EQUIPMENT	A		7.3		21.7		13.6	U
	TOTAL AVIATION SUPPORT EQUIPMENT			246.5		257.7		228.4	
	BUDGET ACTIVITY 04: ORDNANCE SUPPORT EQUIPMENT								
	SHIP GUN SYSTEM EQUIPMENT								
109	GUN FIRE CONTROL EQUIPMENT	A		6.8		4.4		17.9	U
110	NAVAL FIRES CONTROL SYSTEM	A						.6	U
	SHIP MISSILE SYSTEMS EQUIPMENT								
111	NATO SEASPARROW	A		2.1		8.1		10.7	U
112	RAM GMLS	A		37.9		36.5		31.8	U
113	SHIP SELF DEFENSE SYSTEM	B		37.3		9.3		34.4	U
114	AEGIS SUPPORT EQUIPMENT	A		79.5		29.4		155.1	U
115	SURFACE TOMAHAWK SUPPORT EQUIPMENT	A		79.7		69.3		61.2	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
116	SUBMARINE TOMAHAWK SUPPORT EQUIP	A		3.5		2.8		3.1	U
117	VERTICAL LAUNCH SYSTEMS	A		5.3		6.9		6.9	U
	FBM SUPPORT EQUIPMENT								
118	STRATEGIC PLATFORM SUPPORT EQUIP	A		9.2		2.9		9.8	U
119	STRATEGIC MISSILE SYSTEMS EQUIP	A		236.7		165.1		205.1	U
	ASW SUPPORT EQUIPMENT								
120	SSN COMBAT CONTROL SYSTEMS	A		35.4		19.4		40.7	U
121	SUBMARINE ASW SUPPORT EQUIPMENT	A		4.1		3.9		5.9	U
122	SURFACE ASW SUPPORT EQUIPMENT	A		6.0		13.1		3.2	U
123	ASW RANGE SUPPORT EQUIPMENT	A		6.3		6.8		6.0	U
	OTHER ORDNANCE SUPPORT EQUIPMENT								
124	EXPLOSIVE ORDNANCE DISPOSAL EQUIP	B		8.8		7.5		9.4	U
125	ITEMS LESS THAN $5 MILLION	A		4.3		5.6		5.8	U
	OTHER EXPENDABLE ORDNANCE								
126	ANTI-SHIP MISSILE DECOY SYSTEM	A		32.1		37.8		27.5	U
127	SURFACE TRAINING DEVICE MODS	A		7.0		7.9		7.3	U
128	SUBMARINE TRAINING DEVICE MODS	A		27.1		33.7		20.8	U
	TOTAL ORDNANCE SUPPORT EQUIPMENT			629.1		470.4		663.2	
	BUDGET ACTIVITY 05: CIVIL ENGINEERING SUPPORT EQUIPMENT								
	CIVIL ENGINEERING SUPPORT EQUIPMENT								
129	ARMORED SEDANS	A						.4	U
130	PASSENGER CARRYING VEHICLES	A		.6		.1		1.4	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
131	GENERAL PURPOSE TRUCKS	A		2.1		1.0		1.5	U
132	CONSTRUCTION & MAINTENANCE EQUIP	A		5.0		8.2		9.6	U
133	FIRE FIGHTING EQUIPMENT	A		2.3		2.5		5.3	U
134	TACTICAL VEHICLES	B		5.9		20.3		20.2	U
135	AMPHIBIOUS EQUIPMENT	A		15.9		51.1		14.6	U
136	POLLUTION CONTROL EQUIPMENT	A		23.9		22.0		20.0	U
137	ITEMS UNDER $5 MILLION	A		8.4		3.4		11.3	U
	TOTAL CIVIL ENGINEERING SUPPORT EQUIPMENT			63.9		108.4		84.3	
	BUDGET ACTIVITY 06: SUPPLY SUPPORT EQUIPMENT								
	SUPPLY SUPPORT EQUIPMENT								
138	MATERIALS HANDLING EQUIPMENT	A		6.3		7.6		8.8	U
139	OTHER SUPPLY SUPPORT EQUIPMENT	A		5.4		5.1		7.5	U
140	FIRST DESTINATION TRANSPORTATION	A		3.1		4.0		5.2	U
141	SPECIAL PURPOSE SUPPLY SYSTEMS	A		132.7		133.4		490.4	U
	TOTAL SUPPLY SUPPORT EQUIPMENT			147.6		150.1		512.0	
	BUDGET ACTIVITY 07: PERSONNEL AND COMMAND SUPPORT EQUIPMENT								
	TRAINING DEVICES								
142	TRAINING SUPPORT EQUIPMENT	A		3.1		6.7		1.1	U
	COMMAND SUPPORT EQUIPMENT								
143	TRAINING SUPPORT EQUIPMENT	A							
144	OTHER TRAINING EQUIPMENT	A							
145	COMMAND SUPPORT EQUIPMENT	A		23.4		22.7		28.8	U

DEPARTMENT OF THE NAVY
FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 1810N OTHER PROCUREMENT, NAVY DATE: JUNE 2001

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	FY 2002 QUANTITY	FY 2002 COST	SEC
146	EDUCATION SUPPORT EQUIPMENT	A		3.5				6.6	U
147	MEDICAL SUPPORT EQUIPMENT	A		5.0		7.3		7.7	U
148	INTELLIGENCE SUPPORT EQUIPMENT	A							
149	OPERATING FORCES SUPPORT EQUIPMENT	A		7.3		24.8		15.8	U
150	MOBILE SENSOR PLATFORM	A						4.0	U
151	ENVIRONMENTAL SUPPORT EQUIPMENT	A		18.2		19.1		25.2	U
152	PHYSICAL SECURITY EQUIPMENT	A		7.3		9.5		116.9	U
	PRODUCTIVITY PROGRAMS								
153	JUDGEMENT FUND REIMBURSEMENT	A		4.2					U
	OTHER								
154	CANCELLED ACCOUNT ADJUSTMENTS	A		13.0					U
	TOTAL PERSONNEL AND COMMAND SUPPORT EQUIPMENT			104.3		109.9		221.6	
	BUDGET ACTIVITY 08: SPARES AND REPAIR PARTS								
	SPARES AND REPAIR PARTS								
155	SPARES AND REPAIR PARTS	A		260.6		206.4		234.1	U
	TOTAL SPARES AND REPAIR PARTS			260.6		206.4		234.1	
	TOTAL OTHER PROCUREMENT, NAVY			4,284.1		3,479.3		4,097.6	

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: JUNE 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **PASSIVE SONOBUOYS (NON-BEAM FORMING)** PEO(A) PROGRAM NARM#402600 U3QW					
Program Element for Code B Items:							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		**A**	**43,125**									
COST (In Millions)			**$20.1**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**		

Passive Sonobuoys (Non-Beam Forming) is a family of sonobuoys which provide acoustic target signature information for localization (AN-SSQ-53) and collection purposes (AN/SSQ-57). The AN/SSQ-53 (DIFAR) is a directional sonobuoy which provides acoustic target localization. The AN/SSQ-53E sonobuoy incorporates shallow water performance enhancements over the AN/SSQ-53D. The engineering change proposal (ECP) was developed in FY97 and incorporates (1) a constant shallow Omni Hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth and Automatic Gain Control (AGC). The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise.

Prior to FY00 the AN/SSQ-53 and AN/SSQ-57 were budgeted under NARMs 402500 and 403000, respectively.
The FY00 contract was awarded to Spartion (11,941) and USSI (31,184).
A new configuration combining the functions of the AN/SSQ-53 and AN/SSQ-57 was procured (AN/SSQ-53F).
Beginning in FY01 the AN/SSQ-53 and AN/SSQ-57 are combined into a new budget line -- 404800, Sonobuoys All Types

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY 00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
2,011	0	0	0	0	0	0	0

WEAPONS SYSTEM COST ANALYSIS **P-5**	Weapon System **PASSIVE SONOBUOYS (NON-BEAM FORMING)**		DATE: **JUNE 2001**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #402600 SUBHEAD U3QW**	

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
QW001	HARDWARE	A		43,125		**17,774**									
	AN/SSQ-53			38,553	411.59	15,892									
	AN/SSQ-53 (Formerly AN/SSQ-57C)			4,572	411.59	1,882									
QW830	PRODUCTION ENGINEERING					**1,250**									
	AN/SSQ-53					1,250									
QW860	ACCEPTANCE TESTING					**1,074**									
	AN/SSQ-53					1,074									
	Beginning in FY00 a new configuration combining the functions of the SSQ-53 and the SSQ-57 was procured.														
	* In addition to hardware, total cost includes $24k for an Industrial Base Plan.														
						$20,098									

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							ECON				**AN/SSQ-62 (DICASS) SONOBUOY** PEO(A) PROGRAM NARM: #403200 SUBHEAD: U3QF	
Program Element for Code B Items: **B.A. 3 - AVIATION SUPPORT EQUIPMENT**							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		**A**	**15,280**									
COST (In Millions)			**$16.6**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**		

The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy.

The FY00 contract has been awarded to USSI (6,041) and Sparton (9,239) for a total quantity of 15,280.

Beginning in FY01 the AN/SSQ-62 is combined into a new budget line - 404800 Sonobuoys, All Types.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
1,126	-	-	-	-	-	-	-

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System AN/SSQ-62 (DICASS) SONOBUOY									DATE: **JUNE 2001**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**						ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #403200 SUBHEAD U3QF**								
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
QF001	AN/SSQ-62 w/ SLC*	A		15,280	$961.64	** 14,767									
QF830	PRODUCTION ENGINEERING					1,036									
QF860	ACCEPTANCE TEST					759									
	* SONOBUOY LAUNCH CONTAINER														
	** The FY00 program includes $73k for silver.														
						16562									

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

ITEM NO. 96 PAGE NO. 2

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40												DATE: JUNE 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **PEO (A) PROGRAM NARM #403600**			**AN/SSQ-101 (ADAR)**	**U3QT**	
Program Element for Code B Items:							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		**A**	**2,483**									
COST (In Millions)			**$16.6**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**$0.0**	**Continuing**	

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver.

The FY00 contract has been awarded to Erapsco for a total quantity of 2,483.

Beginning in FY01 the AN/SSQ-101 budget line is combined into a new budget line -- 404800, Sonobuoys, All Types

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS **P-5**	Weapon System AN/SSQ-101 (ADAR) SONOBUOY	DATE: **JUNE 2001**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #403600 SUBHEAD U3QT**

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
QT001	AN/SSQ-101 w/SLC*	A		2,483	6,225.00	15,717									
QT830	PRODUCTION ENGINEERING					482									
QT860	ACCEPTANCE TESTING					424									
	* SONOBUOY LAUNCH CONTAINER														
	In addition to hardware, total costs include $212k for silver and $48k for a Production Readiness Review.														
						16,623									

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
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 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY		A		**54,454**	**74,583**							
COST (In Millions)				**$57.5**	**$57.9**						**Continuing**	

Beginning in FY01 the Sonobuoy Budget lines are consolidated into one line -- Sonobuoys, All Types, NARM 404800.

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set 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. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Prior to FY00 the AN/SSQ-36 was budgeted under NARM 400500. In FY00 the AN/SSQ-36 is budgeted under NARM 405000, Miscellaneous Sonobuoys, Less than $5M.

The AN/SSQ-53 (DIFAR) is a directional sonobuoy which provides acoustic target localization. Prior to FY00 the AN/SSQ-53 was budgeted under NARM 402500. In FY00 the AN/SSQ-53 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming. Beginning in FY02 the requirement for the AN/SSQ-53 and AN/SSQ-57 is combined into the AN/SSQ-53.

The AN/SSQ-57 is a special purpose calibrated sonobuoy used for determining the level of underwater acoustic energy radiated by submarines, the magnitude of water transmission loss and bottom loss (used with the Signal Underwater Sound (SUS) Sonobuoy) and the level of ambient noise. Prior to FY00 the AN/SSQ-57 was budgeted under NARM 403000. In FY00 the AN/SSQ-57 is budgeted under NARM 402600, Passive Sonobuoys, Non-Beamforming.

The AN/SQQ-62 (DICASS) Sonobuoy is a directional active sonobuoy that provides target bearing and range information on the submarine with each echo. The AN/SSQ-62E is an ECP to the AN/SSQ-62D incorporating the following changes: (1) Command Function Select (CFS), and (2) all four sonar channels in one sonobuoy. Prior to FY01 the AN/SSQ-62 was budgeted under NARM 403200.

The AN/SSQ-77 is a vertical line array directional Sonobuoy. It employs beamforming technology for use with the EER sensor system; and under specific water conditions increases passive performance. Prior to FY01 the AN/SSQ-77 is budgeted under NARM 403400.

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ**			**SONOBUOYS, ALL TYPES**		
Program Element for Code B Items:							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				**54,454**	**74,583**							
COST (In Millions)				**$57.5**	**$57.9**						**Continuing**	

The AN/SSQ-101 Air Deployable Active Receiver (ADAR) is a commandable, passive A-size sonobuoy with a horizontal planar array that can be deployed at different depths. The ADAR sonobuoy transmits beamformed digital data to all Air ASW platforms and is deployed as the Improved Extended Echo Ranging System's active receiver. Prior to FY01 the AN/SSQ-101 is budgeted under NARM 403600.

The AN/SSQ-110 is an air-dropped active source buoy to be used in conjunction with the AN/SSQ-77B and AN/SSQ-101 to perform Extended Echo Ranging (EER) system active search. Prior to FY01 the AN/SSQ-110 is budgeted under NARM 403800.

Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. Prior to FY00 the SUS was budgeted under NARM 404500. In FY00 the SUS was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than $5M.

The Hydrostatic Sensor Device is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons. Prior to FY00 Hydrostatic Device was budgeted under NARM 404400. In FY00 the Hydrostatic Device was budgeted under NARM 405000, Miscellaneous Sonobuoys Less than $5M. The Hydrostatic Device transitions from R&D PE 0604261N in FY03.

The FY01 program provides for 5,364 AN/SSQ-36's awarded to Hermes; 27,985 AN/SSQ-53's awarded to USSI and Sparton; 15,607 AN/SSQ-62's awarded to USSI and Sparton; AN/SSQ-77's ECP and redesign resulting from parts obsolescence awarded to Sparton; 3,473 SUS awarded to Sparton; and 2,025 AN/SSQ-101's to be awarded to ERAPSCO. Total projected FY01 procurement quantity is 54,454.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
-	3,687	3,476					

WEAPONS SYSTEM COST ANALYSIS **P-5**	Weapon System Sonobuoys, All Types		DATE: **JUNE 2001**
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**	

TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	HARDWARE	A					**54,454**		**51,629**	**74,583**		**52,434**			
QZ001	AN/SSQ-36					0	5,364	247.91	1,330	4,468	258.64	1,156			
QZ002	AN/SSQ-53					0	27,985	488.38	13,667	39,300	373.20	14,667			
QZ004	AN/SSQ-62					0	15,607	1,256.94	19,617	15,251	944.18	14,400			
QZ005	AN/SSQ-77					0	0	0.00	0	13,170	674.92	8,889			
	Start-up Nonrecurring costs								3,653						
QZ006	AN/SSQ-101					0	2,025	6,191.86	12,539	2,394	5565.09	13,323			
QZ007	AN/SSQ-110					0			0			0			
QZ008	SUS MK 84					0	3,473	237.20	824			0			
QZ009	Hydrostatic Device					0			0			0			
	PRODUCTION ENGINEERING								**2,883**			**2,731**			
QZ831	AN/SSQ-36					0			94			69			
QZ832	AN/SSQ-53					0			821			880			
QZ834	AN/SSQ-62					0			1,185			853			
QZ835	AN/SSQ-77					0			261			533			
QZ836	AN/SSQ-101					0			450			396			
QZ837	AN/SSQ-110					0			0			0			
QZ838	SUS MK 84					0			72			0			
QZ839	Hydrostatic Device					0			0			0			
						0									

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

ITEM NO. 98 PAGE NO. 3

WEAPONS SYSTEM COST ANALYSIS **P-5**	Weapon System Sonobuoys, All Types		DATE: **JUNE 2001**
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**	

TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	ACCEPTANCE TESTING								**3,013**			**2,721**			
QZ861	AN/SSQ-36					0			94			65			
QZ862	AN/SSQ-53					0			879			898			
QZ864	AN/SSQ-62					0			1,389			874			
QZ865	AN/SSQ-77					0			161			528			
QZ866	AN/SSQ-101					0			412			356			
QZ867	AN/SSQ-110					0			0			0			
QZ868	SUS MK 84					0			78			0			
QZ869	Hydrostatic Device					0			0			0			
	Subtotals by Buoy Type														
	AN/SSQ-36								1,518			1,290			
	AN/SSQ-53								15,367			16,445			
	AN/SSQ-62								22,191			16,127			
	AN/SSQ-77								4,075			9,950			
	AN/SSQ-101								13,401			14,075			
	AN/SSQ-110								0			0			
	SUS MK 84								974			0			
	Hydrostatic Device								0			0			
						0			**57,525**			**57,886**			

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

ITEM NO. 98 PAGE NO. 4

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System Sonobuoy, All Types	A. DATE JUNE 2001
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	NSWC CRANE	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	NSWC CRANE	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	2,025	6,191.86	NSWC CRANE	10/00	SS/FFP	ERAPSCO	05/01	01/02	YES	
SUS MK 84	3,473	237.20	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	01/03	YES	
AN/SSQ-53	39,300	373.20	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	01/03	YES	
AN/SSQ-62	15,251	944.18	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	01/03	YES	
AN/SSQ-77	13,170	674.92	NSWC CRANE	10/01	C/FFP	NOT SELECTED	01/02	01/03	YES	
AN/SSQ-101	2,394	5,565.09	NSWC CRANE	10/01	SS/FFP	ERAPSCO, IN	01/02	01/03	YES	

D. REMARKS

AN/SSQ-77 - The P-5A depicts only hardware quantities and costs. The AN/SSQ-77 has been out of production for six years and required $3.653M ECP for redesign resulting from parts obsolescence.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT**			Weapon System **Sonobuoy, All Types**		P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ**

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

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2001																						BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-36 - HERMES (K)	01		5.4	0	5.4																		A						5.4
AN/SSQ-53 - USSI, IN (K)	01		17.7	0	17.7																		A						17.7
AN/SSQ-53 - SPARTON, FL (K)	01		10.2	0	10.2																		A						10.2
AN/SSQ-62 - USSI, IN (K)	01		7.3	0	7.3																		A						7.3
AN/SSQ-62 - SPARTON, FL (K)	01		8.3	0	8.3																		A						8.3
AN/SSQ-77 - SPARTON, FL (K)	01		0.0	0	0.0																		A						0.0
AN/SSQ-101- ERAPSCO, IN (K)	01		2.0	0	2.0																				A				2.0
SUS MK 84 - SPARTON, FL (K)	01		3.5	0	3.5																		A						3.5

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-36 - HERMES (K)	01		5.4	0	5.4						1.3				1.3														
AN/SSQ-53 - USSI, IN (K)	01		17.7	0	17.7								0.8	1.7	1.7	1.7	1.7												
AN/SSQ-53 - SPARTON, FL (K)	01		10.2	0	10.2								0.8		0.8	1.5													
AN/SSQ-62 - USSI, IN (K)	01		7.3	0	7.3							1.7			1.7														
AN/SSQ-62 - SPARTON, FL (K)	01		8.3	0	8.3							1.7			1.7		1.7												
AN/SSQ-77 - SPARTON, FL (K)	01		0.0	0	0.0																								
AN/SSQ-101- ERAPSCO, IN (K)	01		2.0	0	2.0				0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2												
SUS MK 84 - SPARTON, FL (K)	01		3.5	0	3.5								3.5																

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

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY B.A.3 - AVIATION SUPPORT EQUIPMENT**			Weapon System **Sonobuoy, All Types**		P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ**

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

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2001																						BAL
						1999			CALENDAR YEAR 2000												CALENDAR YEAR 2001									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002												CALENDAR YEAR 2003									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-36 - NOT SELECTED (K)	02		4.5	0	4.5				A																				
AN/SSQ-53 - NOT SELECTED (K)	02		39.3	0	39.3				A																				
AN/SSQ-62 - NOT SELECTED (K)	02		15.3	0	15.3				A																				
AN/SSQ-77 - NOT SELECTED (K)	02		13.2	0	13.2				A																				
AN/SSQ-101- ERAPSCO, IN (K)	02		2.4	0	2.4				A																				

Remarks:

FY 2001/02 BUDGET PRODUCTION SCHEDULE, P-21					DATE **JUNE 2001**
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**		Weapon System **Sonobuoy, All Types**			P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404800 SUBHEAD U3QZ**
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/SSQ-36B	HERMES, CANADA*	0.25	12	12						
AN/SSQ-36B, AN/SSQ-53/57	SPARTON, FL	0.25	12	12		3	12		15	Month
AN/SSQ-53/57	USSI, IN	0.25	12	12		3	12		15	Month
AN/SSQ-62	USSI, IN	0.25	3	8.0*		3	12		15	Month
AN/SSQ-62	SPARTON, FL	0.25	8	8.0*		3	12		15	Month
AN/SSQ-77	TBD	TBD	TBD	TBD		3	12		15	Month
AN/SSQ-101 (ADAR)	ERAPSCO, IN	TBD	TBD	TBD		3	12		15	Month
SUS MK-84	SPARTON, FL	TBD	TBD	TBD		3	12		15	Month

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2005																						BAL
						2003			CALENDAR YEAR 2004												CALENDAR YEAR 2005									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/SSQ-36 - NOT SELECTED (K)	02		4.5	0.0	4.5																							
AN/SSQ-53 - NOT SELECTED (K)	02		39.3	0.0	39.3																							
AN/SSQ-62 - NOT SELECTED (K)	02		15.3	0.0	15.3																							
AN/SSQ-77 - NOT SELECTED (K)	02		13.2	0.0	13.2																							
AN/SSQ-101- ERAPSCO, IN (K)	02		2.4	0.0	2.4																							

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2006												FISCAL YEAR 2007											BAL
						2005			CALENDAR YEAR 2006												CALENDAR YEAR 2007									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40												DATE: JUNE 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **Misc. Sonobuoys Less Than $5M U3QV** PEO(A) PROGRAM NARM#405000					
Program Element for Code B Items:							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			**7,668**									
COST (In Millions)		**A**	**$2.2**	**$0.0**	**$0.0**							

Miscellaneous Sonobuoys Less than $5M provide unique functions including measuring ocean temperatures (AN/SSQ-36), Signal Underwater Sound (SUS) and Hydrostatic Sensor Fuses. The AN/SSQ-36 is an air-dropped bathythermograph transmitting set 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. The information on ambient water conditions is also used for long-range forecasts of acoustic conditions in the ocean. Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The SUS is a Non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS is used for training and exercise signaling to submarines. The Hydrostatic Sensor Fuze is a sensor adaptation enabling use of existing ordnance as shallow water anti-submarine weapons.

Prior to FY00 the AN/SSQ-36, SUS, and Hydrostatic Fuze were budgeted under NARMs 400500, 404500 and 404400, respectively.

The FY00 contract has been awarded to Sparton (3,548) and Hermes (4,120) for a total quantity of 7,668 AN/SSQ-36 sonobuoys.

Beginning in FY01 the AN/SSQ-36, SUS, and Hydrostatic Fuze are combined into a new budget line -- 404800 Sonobuoys, All Types.

RESERVE FUNDING INCLUDED IN TOTAL ($000)

FY00	FY01	FY02	FY03	FY04	FY05	FY06	FY07
52	0	0					

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System **MISC Sonobuoys Less Than $5M**		DATE: **JUNE 2001**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **B.A. 3 - AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **PEO(A) PROGRAM NARM #405000 SUBHEAD U3QV**	

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
						*									
QV001	HARDWARE	A				**1,937**									
	AN/SSQ-36			7,668	250.63	1,937									
	SUS MK 84					0									
	HYDROSTATIC FUZE					0									
QV830	PRODUCTION ENGINEERING					**147**									
	AN/SSQ-36					77									
	SUS MK 84					70									
	HYDROSTATIC FUZE					0									
QV860	ACCEPTANCE TESTING					**89**									
	AN/SSQ-36					89									
	SUS MK 84					0									
	HYDROSTATIC FUZE					0									
	*In addition to hardware, total cost includes funding for silver ($9k) and a Production Readiness Review ($6k).														
						$2,173									

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

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.3**	**$10.1**						**Cont.**	**Cont.**

This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Systems Replacement and Modernization (SRAM), 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.

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.

MOBILE REMOTE EMITTER SYSTEM (MRES)

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.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.3**	**$10.1**						**Cont.**	**Cont.**

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 is for one MRES variant and integration into PMRF. FY00 Congressional increase of $6.0 million will be utilized for a second MRES for PMRF to include the required communications system to integrate the PMRF MRES. FY01 Congressional increase of $7.5M will be utilized for a second MRES for ATR.

NAVAL AIR STRIKE AND AIR WARFARE CENTER:

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 puposes, and instrumentation required to score weapons deployment.

SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM):

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

TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS):

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

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.3**	**$10.1**						**Cont.**	**Cont.**

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 will provide a significant upgrade to the Oceana TACTS Master Station at Bodie Island. This is 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.

SHALLOW WATER TRAINING RANGES (SWTR):

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 portable 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. All phases are expected to be completed by FY2013.

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: June 2001		
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.7**	**$10.1**						**Cont.**	**Cont.**

INTEGRATED TARGET CONTROL SYSTEM (ITCS) UPGRADE

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 will provide two systems to Fleet Activity Okinawa. The FY2003 program will provide one system for Fleet Composite Squadron Six.

FALLON COMMUNICATION UPGRADE

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 will provide 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.

THREAT RADAR UPGRADE (FALLON)

The Fallon Training Range Complex Electronic Warfare (EW) capabilities consists of 47 emitters on 37 sites located largely within the Dixie Valley area. The FY07 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.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.3**	**$10.1**						**Cont.**	**Cont.**

AN/FPS-67A RADAR REPLACEMENT (AFWTF)

This program will replace the FPS-67 Radar located at Pico de Este, Puerto Rico with a newer air traffic control 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.

JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)

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. The JTCTS Program is in the process of realigning the acquisition strategy. This action is focused toward a contract in FY02. The Navy, as the lead activity, will award an FY02 contract to satisfy an Air Froce requirement. This summary reflects only the USN funding component of the JTCTS.

LOW ALTITUDE SURVEILLANCE RADAR (LASR)

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 Southern California (SOCAL) Offshore Complex 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. FY01 funding will support final integration at SOCAL.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							**P-1 ITEM NOMENCLATURE LI 420400** **WEAPONS RANGE SUPPORT EQUIPMENT**					
Program Element for Code B Items:							**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												
COST (In Millions)	**$949.5**		**$22.6**	**$33.3**	**$10.1**						**Cont.**	**Cont.**

LATR FREQUENCY CONVERSION TO 433 MHz

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. FY00 funded the conversion of 100 participant instrumentation packages (PIPs) for the VACAPES LATR.

LATR INTEGRATION FACILITY

The existing Software Support Activity (SSA) Facility cannot fully support the development and testing for LATR. FY2001 and FY2002 funding will make the current SSA an integration facility that can function as an operational LATR site capable of developing and testing system changes and upgrading hardware and software to support the PMRF Aircraft Combat Maneuverability (ACM) and planned system upgrades.

PACIFIC MISSILE RANGE FACILITY (PMRF) UPGRADES

Congressional increases of $10.0 million in FY99, and $5.0 million in FY00 have been provided for training range instrumentation upgrades to the PMRF. FY01 Congressional increase of $10.5M will be utilized for a third MRES for PMRF ($7.5M) and training range instrumentation upgrades ($3.0M).

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a					DATE: June 2001							
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment					P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002							
ELECTRONIC WARFARE												
MRES												
QUANTITY		2	1	1								
COST (In Thousands)		7,075	5,200	7,286								
Naval Air Strike and Air Warfare Center												
QUANTITY				VAR								
COST (In Thousands)				5,000								
THREAT RADAR UPGRADE (FALLON)												
QUANTITY												
COST (In Thousands)												
EW THREAT SYSTEMS												
QUANTITY												
COST (In Thousands)												
MRES SPARES												
QUANTITY				VAR								
COST (In Thousands)				214								
SRAM												
QUANTITY		VAR	VAR	VAR	VAR							
COST (In Thousands)		51,182	2,991	4,255	3,942							
TACTS/LWTC Datalink												
QUANTITY		2	1									
COST (In Thousands)		642	385									
UNDERWATER RANGES												
SWTR (EC)												
QUANTITY		1-PHASE-1	VAR									
COST (In Thousands)		12,464	2,014									
SWTR (WC)												
QUANTITY												
COST (In Thousands)												
PORTABLE UNDERWATER TRAINING RANGE												
QUANTITY												
COST (In Thousands)												

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a					DATE: June 2001							
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**					P-1 ITEM NOMENCLATURE **WEAPONS RANGE SUPPORT EQUIPMENT**							
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002							
COMM UPGRADES		787										
ITCS UPGRADES												
QUANTITY				2								
COST (In Thousands)				500								
FALLON COMMUNICATION UPGRADE												
QUANTITY				1								
COST (In Thousands)				565								
AN/FPS-67A RADAR REPLACEMENT (AFWTF)												
QUANTITY					1							
COST (In Thousands)					2,800							
JTCTS*												
Mobile Core/2 Debrief												
QUANTITY		1										
COST (In Thousands)		2,000										
Fixed Core/2 Debrief												
QUANTITY												
COST (In Thousands)												
ECP Retrofit												
LASR SCORE												
QUANTITY			1									
COST (In Thousands)			1,650									
LATR SYSTEM		4,226										
LATR FREQ CONV TO 433MHz												
QUANTITY		47	100									
COST (In Thousands)		800	1,700									
LATR INTEGRATION FACILITY												
QUANTITY				1	1							
COST (In Thousands)				200	200							
PMRF UPGRADES												
QUANTITY		VAR	VAR	VAR								
COST (In Thousands)		10,000	5,000	3,000								
QUANTITY (MRES)				VAR								
COST (In Thousands)				7,500								
OTHER COSTS		860,311	3,692	4,792	3,187							
TOTAL FUNDING		**949,487**	**22,632**	**33,312**	**10,129**							

WEAPONS SYSTEM COST ANALYSIS P-5			WEAPONS SYSTEM											DATE: June 2001
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 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SC002	MRES		7,075	1	5,200	5,200	1	7,286	7,286						
	NAVAL AIR STRIKE AND AIR WARFARE						VAR	VAR	5,000						
SC003	MRES SPARES						VAR	VAR	214						
SC004	SRAM		51,182	VAR	VAR	2,991	VAR	VAR	4,255	VAR	VAR	3,942			
SC007	TACTS/LWTC DATALINK		642	1	385	385									
SC012	SHALLOW WATER TRNG RANGE														
	SWTR (EC)		12,464	VAR	VAR	2,014									
	SWTR (WC)														
SC018	COMMUNICATION UPGRADES		787												
	ITCS UPGRADE						2	250	500						
	FALLON COMM UPGRADE						1	565	565						
	AN/FPS-67A RADAR REPLACEMENT (AFWTF)									1	2,800	2,800			
SC020	JTCTS ECP Retrofit		2,000												

WEAPONS SYSTEM COST ANALYSIS **P-5**			WEAPONS SYSTEM												DATE: **June 2001**
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 2000			FY 2001			FY2002			FY2003		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
SC021	LASR	N/A		1	1650	1,650									
SC034	LATR SYSTEM		4,226												
	LATR FREQ CONVERSION TO 433 MHz		800	100	17	1,700									
	LATR INTEGRATION FACILITY						1	200	200	1	200	200			
SC700	PMRF UPGRADES	N/A	10,000	VAR	VAR	5,000	VAR	VAR	3,000						
	PMRF MRES						VAR	VAR	7,500						
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	79,353	N/A		3,255	N/A		3,565	N/A		2,602			
SC860	ACCEPTANCE TEST & EVALUATION	N/A	7,001	N/A		90	N/A		124	N/A		125			
SC900	INSTALLATION OF EQUIP-NON FMP	N/A	9,328	N/A		125	N/A		728	N/A		300			
SC971	ILS, OTHER RANGES	N/A	32,477	N/A		222	N/A		375	N/A		160			
	VARIOUS 1/		732,152												
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1999 and beyond.															
			949,487			**22,632**			**33,312**			**10,129**			

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | A. DATE: June 2001

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
SC002 MRES										
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	06/02	YES	N/A
2001	1	7,286	NAVAIR	N/A	FFP/OPTION	AMHERST	06/01	06/03	YES	N/A
SC003 MRES SPARES										
2001	VAR	VAR	NAVAIR	N/A	FFP/OPTION	AMHERST	06/01	06/03	YES	N/A
SC004 SYS REPL & MOD										
2000	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	*	08/00	YES	N/A
2001	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	*	08/01	YES	N/A
2002	VAR	VAR	FED IND SUP CTR	VAR	VAR	VAR	*	08/02	YES	N/A
SC007 TACTS/LWTC DATALINK										
2000	1	385	NAVAIR	N/A	FFP/OPTION	SWAGER COMM. CORP.	06/00	08/01	YES	N/A
SC012 SWTR										
2000 SWTR (EC)	VAR	VAR	NUWC	N/A	PX	NUWC, NEWPORT	02/00	06/01	N/A	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** **June 2001**

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
SC018 COMM UPGRADES										
2001 ITCS UPGRADES	2	250	NAVAIR	N/A	FFP/OPTION	MICROSYSTEMS	01/01	10/01	YES	N/A
2001 FALLON COMM UPGRADE	1	565	SPAWARSYSCEN	12/00	FFP	TBD	06/01	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
SC021 LASR SCORE										
2000	1	1,650	SPAWAR SYS CEN SAN DIEGO, CA	N/A	PX	SPAWAR SYS CEN SAN DIEGO, CA	02/00	02/01	YES	N/A
SC034 LATR SYSTEM										
2000 LATR FREQ CONV TO 433MHz	100	17	NAVAIR	06/00	FFP	L3 COMMUNICATIONS	06/00	01/01	YES	N/A
2001 LATR INTEGRATION FACILITY	1	200	NAWCADPAX	N/A	PX	NAWCADPAX	11/00	05/01	N/A	
2002	1	200	NAWCADPAX	N/A	PX	NAWCADPAX	11/01	05/02	N/A	N/A

D. REMARKS

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: June 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment**							P-1 ITEM NOMENCLATURE **EXPEDITIONARY AIRFIELDS**					**/43SE**
Program Element for Code B Items: **0603512N**							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												
COST (In Millions)	**$137.5**	**A**	**$0.1**	**$3.2**	**$7.6**							

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 2000 budget provided for Integrated Logistics Support (ILS) for EAF procurement products.

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 Cable Kits (CABKIT), M-31 Mobile Arresting Gear, PE, ILS, and Acceptance Test and Evaluation (AT&E) for EAF procurement products.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS / 43SE					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
Service Change Kits	A	**$16.2**										
F71/2 AM-2 Mat	A											
QUANTITY		3163										
COST (In Millions)		($11.3)										
Flatrack	A											
QUANTITY		785										
COST (In Millions)		($4.9)										
Revetment	B											
QUANTITY												
COST (In Millions)												
MOSLS	A	**$6.6**		**$3.0**	**$1.9**							
MOSKIT												
QUANTITY		22		6								
COST (In Millions)		($2.8)		($0.8)								
SALKIT												
QUANTITY		26		14	2							
COST (In Millions)		($3.8)		($2.2)	($0.3)							
CABKIT												
QUANTITY					7							
COST (In Millions)					($1.6)							
M-31 Mobile Arresting Gear	B											
QUANTITY					5							
COST (In Millions)					$5.4							
Other Costs	A	$16.9	$0.1	$0.3	$0.2							
Various 1/	A	$97.8										
Total Funding		$137.5	$0.1	$3.2	$7.6							
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.												

WEAPONS SYSTEM COST ANALYSIS **P-5**	Weapon System		DATE: **June 2001**
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy** **BA3 - Aviation Support Equipment**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **EXPEDITIONARY AIRFIELDS / 43SE**	

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
SE010	Service Change Kits	A	16,183												
	F72 / AM-2 Mat		(11,304)												
	Flatrack		(4,879)												
	Revetment														
SE010	MOSLS	A	6,602						2,968			1,941			
	MOSKIT	A	(2,788)				6	133	(798)						
	SALKIT	A	(3,814)				14	155	(2,170)	2	155	(310)			
	CABKIT	A								7	233	(1,631)			
SE210	M-31 Mobile Arresting Gear	B								5	920	4,600			
	M-31 Mobile Arresting Gear Refurbishment for 2 EDM Units									2	418	835			
SE800	Integrated Logistics Support		3,767			62			143			145			
SE830	Production Engineering		13,133						136						
SE860	Acceptance Test & Evaluation											30			
	Various 1/		97,824												
			137,509			**62**			**3,247**			**7,551**			

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE June 2001
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment	C. P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS	SUBHEAD 43SE

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
FY 2001										
MOSLS - MOSKIT	6	133	NAWCADLKE	Dec-97	Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-00	Jun-01	Yes	NA
MOSLS - SALKIT	14	155	NAWCADLKE	Dec-97	Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-00	Jun-01	Yes	NA
FY 2002										
MOSLS - SALKIT	2	0	NAWCADLKE	Dec-97	Option-FFP	Metalite Aviation Lighting - Winster Grove, Birmingham UK	Dec-01	Jun-02	Yes	NA
MOSLS - CABKIT	7	233	NAWCADLKE	Dec-00	Option-FFP	*TBD	Jul-01	Aug-02	No	NA
M-31 Arresting Gear	5	920	NAWCADLKE	Dec-97	Option-FPI(ST)	ESCO - Aston, PA	Mar-02	Mar-03	No	May-01
M-31 Arresting Gear Refurbishment	2	418	NAWCADLKE	Dec-97	Option-CPAF	ESCO - Aston, PA	Nov-01	Jul-02	No	May-01

D. REMARKS

* Contractor has not been selected; several contractors being reviewed for selection.

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3**	DATE: **June 2001**
P-1 ITEM NOMENCLATURE **EXPEDITIONARY AIRFIELDS**	Admin Leadtime (after Oct1): **1 Month**	Production Lead Time : **12 Months**

TBD M-31 Arresting Gear	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary	**2**		**5**					
Unit Cost			**920**					
Total Cost			**4,600**					
Asset Dynamics								
Beginning Asset Position								
Deliveries from all prior year funding								
Deliveries from FY 2000 funding								
Deliveries from FY 2001 funding								
Deliveries from FY 2002 funding								
Deliveries from subsequent years' funding								
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**					
Inventory Objective or Current Authorized Allowance	**28**	**28**	**28**					

Inventory Objective	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft:
28					TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 Replacement:	PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:	FY 1999:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1998:	FY 1998:	FY 1998:		BAI
Other:	FY 1997:	FY 1997:	FY 1997:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Administrative leadtime is 6 Months for FY 2002 and 1 Month for the outyears since first year of production for M-31 Arresting Gear is FY 2002. The contract method for the outyears is with options resulting in a shorter administrative leadtime.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3**				Weapon System		P-1 ITEM NOMENCLATURE **EXPEDITIONARY AIRFIELDS**					
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
M-31 Arresting Gear	ESCO - Aston, PA	0.33	1	1.25	0	1	12	12	13	E	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001												BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
M-31 Arresting Gear - EMD Refurb	2002		2	0	2		A								1		1												
M-31 Arresting Gear	2002		5	0	5						A																		

Remarks:

BUDGET ITEM JUSTIFICATION SHEET **P-40**					DATE: **JUNE 2001**							
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 - Aviation Support Equipment**					P-1 ITEM NOMENCLATURE **A/C Rearming Equipment - 43SH**							
Program Element for Code B Items:					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												
COST (In Millions)	**$289.0**	**A**	**$12.2**	**$10.5**	**$12.3**						**Continuing**	**Continuing**

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

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

ShipboardWSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D Weapons Loader, AERO 74A Adapter, and the A/E32K-4A Munitions Trailer.

ShipboardASE 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 Handler (shipboard).

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P40a						DATE: JUNE 2001						
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment**						P-1 ITEM NOMENCLATURE **A/C Rearming Equipment- 43SH**						
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002							
1. LALS II	A	36,570	8,144									
Qty		198	72									
2. HLU-196D/E Bomb Hoist	A	6,347		5,897	6,217							
Qty		410		199	199							
3. A/S32K-1D Wpns Loader ECP	A	20,122										
Qty		681										
4. Cycling Adapter	A	583	265									
Qty		39	9									
5. A/M32K-4A Mun Trlr	A	17,692	893	1,821	2,060							
Qty		1179	56	121	137							
6. ADU-699A/E Sonobuoy Adptr	A			200								
Qty				4								
7. ADU-433/434 Adapter	A	1,055	411									
Qty		358	144									
8. ADU-514/A/E Missile Adptr	A				829							
Qty					415							
9. Next Generation Handler(ship)	A											
Qty												
SUB TOTAL		**82,369**	**9,713**	**7,918**	**9,106**							

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P40a						DATE: JUNE 2001						
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment**						P-1 ITEM NOMENCLATURE **A/C Rearming Equipment- 43SH**						
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002							
10. A/M32U-13B Maint Trlr	A			420								
Qty				14								
11. ADU-722/E Hoist Adptr	A			252								
Qty				394								
12. A/F32K-1A Bomb Table	A				520							
Qty					26							
13. AERO-91A Adapter	A											
Qty												
14. LME	A											
Qty												
15. MHU-151/M Trailer	A											
Qty												
16. AERO-74A Adapter	A											
Qty												
17. ADU-400/E Adapter	A				666							
Qty					18							
18. A/S32K-1D CILOP	A											
Qty												
1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond.												
SUB TOTAL		**57,456**	**9,713**	**8,590**	**10,292**							
Other		**243,554**	**2,444**	**1,901**	**1,973**							
TOTAL		**301,010**	**12,157**	**10,491**	**12,265**							

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: JUNE 2001
APPROPRIATION/BUDGET ACTIVITY: **OTHER PROCUREMENT, NAVY/BA-3 - Aviation Support Equipment**	ID Code: **A**	**A/C Rearming Equipment - 43SH**

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002					
			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	36,570	72	113.11	8,144									
	2. HLU-196D/E Bomb Hoist	A	1,263				199	29.63	5,897	199	31.24	6,217			
	3. A/S32K-1D Weapons Loader ECP	A	293												
	4. Cycling Adapter	A	583	9	29.44	265									
	5. A/M32K-4A Munitions Trailer	A	17,692	56	15.95	893	121	15.05	1,821	137	15.04	2,060			
	6. ADU-699A/E Sonobuoy Adapter	A					4	50.00	200						
	7. ADU-433/434 Adapter	A	1,055	144	2.85	411									
	8. ADU-514A/E Missile Adapter	A								415	2.00	829			
	9. Next Generation Munitions Handler-Ship	A													
	10. A/M32U-13B Maint Trailer	A					14	30.00	420						
	11. ADU-722/E Hoist Adapter	A					394	0.64	252						
	12. A/F32K-1A Bomb table	A								26	20.00	520			
	15. MHU-151/M Trailer	A													
	17. ADU-400/E Adapter	A								18	37.00	666			
	18. A/S32K-1D CILOP	A													
SH830	Production Engineering		23,083			1,954			1,501			1,553			
SH860	Acceptance Test and Evaluation		3,402			410			400			420			
	Other*		217,069			80									
			301,010			**12,157**			**10,491**			**12,265**			

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE JUNE 2001
B. APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 - Aviation Support Equipment**	C. P-1 ITEM NOMENCLATURE **A/C Rearming Equipment - 43SH**	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										
LALS II										
FY 2000	72	113.11	NAWC Lakehurst	07/98 01/00	FP/OPTION	Hydraulics International	03/01/00	05/01/01	Yes	
HLU-196D/E Bomb Hoist										
FY 2001	199	29.63	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	12/01/00	10/01/01	Yes	
FY 2002	199	31.24	NAWC Lakehurst		FP/OPTION	BREEZE EASTERN	12/01/01	10/01/02	Yes	
A/M32K-4A Munitions Trailer										
FY 2001	121	15.05	NAWC Lakehurst	04/00	C/FFP	TBD	12/15/00	08/30/01	Yes	
FY 2002	137	15.04	NAWC Lakehurst		FP/OPTION	TBD	12/01/01	11/01/02	Yes	
ADU-699A/E Adapter										
FY 2001	4	50.00	NAWC Lakehurst	05/00	C/FFP	TBD	12/01/00	10/01/01	Yes	
A/M32U-13B Maintenance Trailer										
FY 2001	14	30.00	NAWC Lakehurst	04/00	C/FFP	DYNCORP	12/15/00	08/01/01	Yes	
ADU-722/E Adapter										
FY 2001	394	0.64	NAWC Lakehurst	06/00	C/FFP	TBD	12/01/00	05/01/01	Yes	
ADU-514A/E Missile Adapter										
FY 2002	415	2.00	NAWC Lakehurst	06/01	C/FFP	TBD	12/01/01	11/01/02	Yes	

D. REMARKS

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE JUNE 2001		
B. APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3 - Aviation Support Equipment**					C. P-1 ITEM NOMENCLATURE **A/C Rearming Equipment**				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	01/00	C/FFP	TBD	12/01/01	11/01/02	Yes	
ADU-400/E Adapter										
FY 2002	18	37.00	NAWC Lakehurst	06/01	C/FFP	TBD	12/01/01	11/01/02	Yes	
D. REMARKS										

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **Other Procurement, Navy/ BA-3 Aviation Support Equipment**	Date: **JUNE 2001**
P-1 ITEM NOMENCLATURE **HLU-196D/E Bomb Hoist**	**Admin Leadtime (after Oct 1):** **3 months**	**Production Leadtime:** **10 months**

	FY 2000	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary		**199**	**199**					
Unit Cost		**29.63**	**31.24**					
Total Cost		**5,897**	**6,217**					
Asset Dynamics								
Beginning Asset Position		3	3					
Deliveries from all prior year funding	3							
Deliveries from FY 2001 funding			199					
Deliveries from FY 2002 funding								
Deliveries from FY 2003 funding								
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	3	3	202					
Inventory Objective or Current Authorized Allowance	566	566	566					

Inventory Objective 566	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI: PAA:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	TAI
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:
TOTAL:					Storage:

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY BA-3 - Aviation Support Equipmen**					Weapon System	P-1 ITEM NOMENCLATURE **A/C Rearming Equipment**					
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
HLU-196D/E	Breeze Eastern Union NJ	15	20	30		7	16	11	23	MONTHS	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001										BAL
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
HLU-196D/E OPTION 1	01	N	199	0	199															A										199

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003										BAL
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
HLU-196D/E OPTION 1	01	N	199	0	199	16	16	16	16	16	17	17	17	17	17	17	17													
OPTION 2	02	N	199	0	199			A																						

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**								P-1 ITEM NOMENCLATURE **AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ 421600**					
Program Element for Code B Items: **0204261N, 0204112N, and 0204161N**								Other Related Program Elements **NOT APPLICABLE**					
	Prior Years	ID Code		FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY													
COST (In Millions)	**$568.6**			**$39.6**	**$35.8**	**$27.5**						**CONTINUING**	**CONTINUING**

This program provides for procurement of major aircraft Launch, Recovery, and Visual Landing Aids (VLA) equipment as well as ancillary items required for installation aboard aircraft carriers, air capable combatant vessels, amphibious assault ships, and shore stations. Most procurements are initiated due to one of the following reasons:

(1) urgent fleet problems associated with the safe and reliable operation of existing equipment;
(2) expanding responsibilities in support of helicopter operations on Air Capable Ships (ACS) and Vertical / Short Take-Off and Landing (V/STOL) aircraft, and;
(3) the demand for increased launch and recovery equipment reliability, availability, and maintainability (RAM); capability; and margin of safety.

Shipboard installed items procured under this program are for operational fleet aircraft carriers, air capable combatant vessels, and amphibious assault ships. Major equipment and service changes procured in support of the Fleet Modernization Program (FMP) are generally installed by shipyard personnel during routine or restricted availabilities and regular overhauls. Non-FMP installations include minor equipments and service changes that are installed by Alteration Installation Teams (AIT) or Voyage Repair Teams (VRT) from the Naval Aviation Depots (NADEPs) under the direction of Fleet Type Commanders and the Naval Air Warfare Center, Aircraft Division (NAWCAD), Lakehurst, NJ. Type Commanders determine shorebased installed item requirements

The FY 2000 program 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 LRLS, ADMACS / ISIS, IFLOLS, PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years procurements.

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.

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, MORIAH, PE, ILS, ATE, and FMP/NFMP installations for FY 2001 and prior years procurements.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
SERVICE CHANGE KITS		69.4	9.5	5.3	6.3							
Various 1/	A											
QUANTITY												
COST (In Millions)		357.4										
LRLS - CV(N)	B											
QUANTITY		5	5									
COST (In Millions)		1.0	1.2									
LRLS - Shore	B											
QUANTITY		4										
COST (In Millions)		0.6										
ADMACS-ISIS CV(N)	B											
QUANTITY		1	2	3								
COST (In Millions)		2.1	4.2	6.5								
IFLOLS - CV(N)	B											
QUANTITY		5	5									
COST (In Millions)		7.1	4.9									
IFLOLS - Shore	B											
QUANTITY			3	8	6							
COST (In Millions)			2.5	4.0	3.0							
AS/32P-25 Fire Truck	A											
QUANTITY												
COST (In Millions)		11.3										

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
MORIAH - CV(N)	B											
QUANTITY												
COST (In Millions)												
MORIAH - Shore	B											
QUANTITY												
COST (In Millions)												
VISUAL - CV(N)												
QUANTITY	B											
COST (In Millions)												
VISUAL - Shore												
QUANTITY												
COST (In Millions)												
ILS												
QUANTITY												
COST (In Millions)		4.5	1.1	0.8	0.8							
PE												
QUANTITY												
COST (In Millions)		12.6	3.3	2.6	1.7							
ATE												
QUANTITY												
COST (In Millions)		0.2	1.1	* 0.0	0.0	*						
Installation - NFMP												
QUANTITY												
COST (In Millions)		71.2	8.3	7.3	9.3							
Installation - FMP												
QUANTITY												
COST (In Millions)		31.2	3.5	9.2	6.4							
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 1999 and beyond.												
TOTAL		568.6	39.6	35.8	27.5							

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

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: June 2001
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	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
SJ040	Service Change Kits	A	69,361			9,525			5,288			6,285			
	LAUNCHER														
	Catapults - CV(N)					9,138			2,659			4,032			
	VISUAL LANDING AIDS														
	Visual Landing Aids - CV(N)								338			223			
	Visual Landing Aids - ACS					55			365			497			
	RECOVERY														
	Arresting Gear - CV(N)					332			1,082			847			
	Helicopter Landing System (HLS) - ACS								844			686			
N/A	Various 1/		357,390												
SJ210	LRLS - CV(N)	B	1,030	5	240	1,200									
SJ220	LRLS - Shorebased	B	612												
SJ230	ADMACS / ISIS - CV(N)	B	2,100	2	2,113	4,226	3	2,177	6,530						
SJ240	IFLOLS - CV(N)	B	7,109	5	986	4,930									
SJ250	IFLOLS - Shorebased	B		3	818	2,453	8	500	4,000	6	500	3,000			
SJ260	P-25 FIRE TRUCK	A	11,319												
TBD	Moriah - CV(N) & L Class	B													
TBD	Moriah - Shorebased	B													
TBD	VISUAL - CV(N)	B													
TBD	VISUAL - Shorebased	B													
SJ800	Integrated Logistics Suppport		4,457			1,128			822			764			
SJ830	Production Engineering		12,649			3,271			2,606			1,693			
SJ860	Acceptance, Test & Evaluation		184			1,100			45			37			
SJ900	Installation - NFMP		71,224			8,279			7,284			9,322			
SJ910	Installation - FMP		31,270			3,506			9,226			6,399			
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond.														
			568,705			**39,618**			**35,801**			**27,500**			

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE: June 2001

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy **OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT**	**AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)**	**43SJ**

Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW ?	DATE REVISIONS AVAILABLE
FY2000										
SJ240 IFLOLS - CV(N)	5	986	NAWCAD PAX	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	6/00	10/01	Yes	N/A
SJ250 IFLOLS - Shorebased	3	818	NAWCAD PAX	Not Applicable	FP-LOE	Raytheon Systems Company Indianapolis, IN	6/00	7/01	Yes	N/A
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	500	NAWCAD LKE	Not Applicable	FFP	Raytheon Systems Company Indianapolis, IN	12/00	1/02	Yes	N/A
FY 2002										
SJ250 IFLOLS - Shorebased	6	500	NAWCAD PAX	Not Applicable	FFP	Raytheon Systems Company Indianapolis, IN	12/01	1/03	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: CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - TROUGH COVERS

DESCRIPTION/JUSTIFICATION:

This Launcher Service replaces the two piece steel trough covers with a Corrosion Resistant Steel / Material one piece Inconel clad trough cover. For Service Change 408, 68 Class ships apply and for Service Change 622, 72 Class ships apply. This is a Type Commander funded for hardware and installation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Not Applicable

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS	14	38.867			2	7.619																	16	46.486
INSTALLATION KITS - UNIT COST		2.776				3.810																		2.905
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		0.249		0.024		0.130		0.002																0.405
ILS		0.080				0.039																		0.119
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP	13	16.250	1	1.172	2	2.959																	16	20.381
TOTAL PROCUREMENT		55.446		1.196		10.747		0.002																67.391

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

MODELS OF SYSTEMS AFFECTED: CATAPULTS MODIFICATION TITLE: LAUNCH - TROUGH COVERS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Shipyard
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: * 1 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

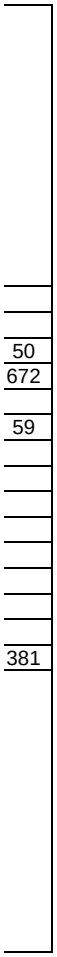
($ in Millions)

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	$
INSTALLATION SUPPORT		0.750																						0.7
PRIOR YEARS	13	15.500	1	1.172																			14	16.
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT					2	2.959																	2	2.9
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	13	16.250	1	1.172	2	2.959																	16	20.

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001 1 2 3 4	FY 2002 1 2 3 4	FY 2003 1 2 3 4	FY 2004 1 2 3 4	FY 2005 1 2 3 4	FY 2006 1 2 3 4	FY 2007 1 2 3 4	TC	TOTAL
In	16									16
Out	16									16

* Assets available in supply system.


50
672
59
381

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: C13-2 CATAPULT TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH- IMPROVED PISTON

DESCRIPTION/JUSTIFICATION:

Launcher Service Change 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.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: In Production First Article Test Completed 03/00

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS	11	4.378			3	1.379	6	2.335	7	2.786													27	10.878
INSTALLATION KITS - UNIT COST		0.398				0.460		0.389		0.398														0.403
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		0.250		0.065		0.064		0.069		0.025														0.473
ILS		0.161		0.012		0.018		0.018																0.209
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							8	0.015	8	0.015													16	0.030
TOTAL PROCUREMENT		4.789		0.077		1.461		2.437		2.826														11.590

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

MODELS OF SYSTEMS AFFECTED: C13-2 CATAPULT MODIFICATION TITLE: LAUNCH- IMPROVED PISTON

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Ships Force (By Attrition)
ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 17 Months
CONTRACT DATES: FY 2000: Mar-00 FY 2001: Mar-01 FY 2002: Mar-02
DELIVERY DATE: FY 2000: Aug-01 FY 2001: Aug-02 FY 2002: Aug-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	$
INSTALLATION SUPPORT								0.015		0.015		0.015		0.015										0.060
PRIOR YEARS							8	*	3	*													11	
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT									3	*													3	
FY 2001 EQUIPMENT									2	*		*											2	
FY 2002 EQUIPMENT												*		*										
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							8	0.015	8	0.015		0.015		0.015									16	0.060

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	11				3				6																						20
Out		2	2	2	2	2	2	2	2																						16

* Ship's Force Installation

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

Summary page of all Launcher Service Changes that do not exceed $5 million in either budget year or $10 million in all years.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: Not Applicable

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS		15.440		0.926		0.140		0.324		1.246														18.076
INSTALLATION KITS - UNIT COST																								
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		1.806		0.071		0.308		0.005		0.105														2.295
ILS		0.680		0.045		0.106				0.040														0.871
ATE		0.079				0.295																		0.374
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		46.950		3.187		1.671		3.365		4.163														59.336
TOTAL PROCUREMENT		64.955		4.229		2.520		3.694		5.554														80.952

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A
CONTRACT DATES: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS
DELIVERY DATE: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS

($ 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	$
INSTALLATION SUPPORT		1.621		0.470		0.721		1.054		0.835														4.701
PRIOR YEARS		45.329		2.717		0.950		2.169		2.864														54.029
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT								0.142		0.314														0.456
FY 2002 EQUIPMENT										0.150														0.150
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP		46.950		3.187		1.671		3.365		4.163														59.336

INSTALLATION SCHEDULE:

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

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: ACS ASGSI TYPE MODIFICATION: ENVIRONMENTAL MODIFICATION TITLE: VLA - ASGSI - ACS

DESCRIPTION/JUSTIFICATION:

The Advanced Stabilized Glide Slope Indicator (ASGSI) provides environmentally friendly, and lower cost replacement for the current Stabilized Glide Slope Indicator (SGSI) System on Air Capable Ships.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS																								
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE										0.167														0.167
ILS										0.083														0.083
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																							*	
TOTAL PROCUREMENT										0.250														0.250

* Inventory Object decreased from 225 units to 183 units due to the decommsioning of ships which will be replaced by new construction.

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

MODELS OF SYSTEMS AFFECTED: ACS ASGSI MODIFICATION TITLE: VLA-ASGSI - ACS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - VRT
ADMINISTRATIVE LEADTIME: 5 Months PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
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																								

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001 1 2 3 4	FY 2002 1 2 3 4	FY 2003 1 2 3 4	FY 2004 1 2 3 4	FY 2005 1 2 3 4	FY 2006 1 2 3 4	FY 2007 1 2 3 4	TC	TOTAL
In										
Out										183

* Inventory Object decreased from 225 units to 183 units due to the decommsioning of ships which will be replaced by new construction.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: VLA VARIOUS TYPE MODIFICATION: VLA 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: Not Applicable

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS		1.201		1.069		0.055		0.703		0.720														3.748
INSTALLATION KITS - UNIT COST																								
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		0.503		0.382		0.043		0.546		0.156														1.630
ILS		0.173		0.140		0.022		0.204		0.056														0.595
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		0.912		0.844		1.092		2.025		2.432														7.305
TOTAL PROCUREMENT		2.789		2.435		1.212		3.478		3.364														13.278

CLASSIFICATION: **UNCLASSIFIED**

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

MODELS OF SYSTEMS AFFECTED: VLA VARIOUS MODIFICATION TITLE: VLA VARIOUS

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: VARIOUS PRODUCTION LEADTIME: VARIOUS
CONTRACT DATES: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS
DELIVERY DATE: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS

($ 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	$
INSTALLATION SUPPORT		0.642		0.602		0.667		0.805		0.857														3.573
PRIOR YEARS		0.270		0.109		0.110		0.865		1.280														2.634
FY 1999 EQUIPMENT				0.133		0.166																		0.299
FY 2000 EQUIPMENT						0.149		0.065																0.214
FY 2001 EQUIPMENT								0.290		0.295														0.585
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP		0.912		0.844		1.092		2.025		2.432														7.305

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																															
Out																															

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.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: Mark 7 Mod 2, 3, 4 TYPE MODIFICATION: Safety/Cost Reduction MODIFICATION TITLE: REC-CROV Retract Sys Upgrade

DESCRIPTION/JUSTIFICATION:

This new CROV / Retract System will accomplish the objectives of the CV OAG Priority #10 Arresting Gear Improvements (CV OAG 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: Not Applicable

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						0.300		2.870		5.444														8.614
PROCUREMENT																								
INSTALLATION KITS																							-	
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE																								
ILS																								
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST-Non-FMP																							-	
TOTAL PROCUREMENT																								

* Inventory Objective decreased from 65 units to 64 units. This is a result of the service change occuring on the CV(N) 77 (4 engines) instead of the CV(N) 63 (5 engines).

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

MODELS OF SYSTEMS AFFECTED: Mark 7 Mod 2, 3, 4 MODIFICATION TITLE: REC-CROV Retract Sys Upgrade

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VRT/Shipyard
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 10 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
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																						*		

INSTALLATION SCHEDULE:

	FY 2000 & Prior	FY 2001 1	2	3	4	FY 2002 1	2	3	4	FY2003 1	2	3	4	FY 2004 1	2	3	4	FY 2005 1	2	3	4	FY 2006 1	2	3	4	FY 2007 1	2	3	4	TC	TOTAL
In																															
Out																															

* Inventory Objective decreased from 65 units to 64 units. This is a result of the service change occuring on the CV(N) 77 (4 engines) instead of the CV(N) 63 (5 engines).

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: REC - VARIOUS TYPE MODIFICATION: REC - VARIOUS MODIFICATION TITLE: REC - 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: Not Applicable

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		0.075		0.110		0.025																		6.510
PROCUREMENT																								
INSTALLATION KITS		1.483		0.831		0.332		1.926		1.533														6.105
INSTALLATION KITS - UNIT COST																								
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		1.770		0.596		0.471		0.553		0.921														4.311
ILS		0.359		0.102		0.084		0.182		0.149														0.876
ATE						0.100																		0.100
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP		0.724		1.185		2.378		1.491		1.916														7.694
TOTAL PROCUREMENT		4.336		2.714		3.365		4.152		4.519														19.086

CLASSIFICATION: **UNCLASSIFIED**

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: VARIOUS
ADMINISTRATIVE LEADTIME: VARIOUS PRODUCTION LEADTIME: VARIOUS
CONTRACT DATES: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS
DELIVERY DATE: FY 2000: VARIOUS FY 2001: VARIOUS FY 2002: VARIOUS

($ 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	$
INSTALLATION SUPPORT		0.554		0.443		0.761		0.870		0.831														3.459
PRIOR YEARS		0.170		0.430		0.640		0.202																1.442
FY 1999 EQUIPMENT				0.312		0.977		0.419		0.005														1.713
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT										1.080														1.080
FY 2002 EQUIPMENT										0.000														0.000
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP		0.724		1.185		2.378		1.491		1.916														7.694

INSTALLATION SCHEDULE:

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

* Less than $500 per install

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.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

Moriah integrates the measuring and display of Wind and Meterological information into one integrated system. Systems will be installed at Naval Training Center - Great Lakes, IL; Naval Aviation Technical Training Center (NATTC) - Lakehurst, NJ; and Naval Technical Training Unit - Keesler AFB.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS I/11 FY2001

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS																								
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE										0.040														0.040
ILS										0.030														0.030
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																								
TOTAL PROCUREMENT										0.070														0.070

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: * 8 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
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																								

INSTALLATION SCHEDULE:

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

* Production Leadtime decreased from 12 months to 8 months as a result of the components becoming commercially available.

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

Morian integrates the measuring and display of Wind and Meterological information into one integrated system. Applicable platforms include 12 CV(N)s, 2 AGF, 2 LCC, 5 LHA and 7 LHD.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS I/II FY2001

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E						1.559		1.400		0.645														3.604
PROCUREMENT																								
INSTALLATION KITS																								
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE										0.140														0.140
ILS										0.070														0.070
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP										0.238												**		0.238
TOTAL PROCUREMENT										0.448														0.448

* The twelve CV(N) systems will be procured in FY2003, FY2004, and FY2005 at a higher unit cost than the following LHA, LHD, LCC, and AGF systems. Therefore, unit costs decrease in FY2005 and FY2006.

**Inventory Objective increased from 27 units to 28 units with the addition of the CV(N)76.

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 4 Months PRODUCTION LEADTIME: * 8 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT										0.050														0.050
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT									*	0.188	*												5	0.188
FY 2004 EQUIPMENT											*												6	
FY 2005 EQUIPMENT																							9	
FY 2006 EQUIPMENT																							8	
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP										0.238												**	28	0.238

INSTALLATION SCHEDULE:

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

* Installation funding based upon FY of start of availability vice hardware deliver, includes Design Services and Advance Planning.
**Inventory Objective increased from 27 units to 28 units with the addition of the CV(N)76.
* Production Leadtime decreased from 12 months to 8 months as a result of the components becoming commercially available.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LSO Heads Up Display - CV(N)/LHA/LHD TYPE MODIFICATION: ENHANCED CAPABILITY MODIFICATION TITLE: VISUAL - CV(N) & L Class

DESCRIPTION/JUSTIFICATION:

The Virtual Imaging System for Approach and Landing (VISUAL) will provide ship's company launch and 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. This is a modified Non-Developmental Item (NDI) procurement. 11 CV(N) - 12 L Class.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III FY2003 *

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		5.166		1.623		5.593		6.329																25.782
PROCUREMENT																								
INSTALLATION KITS																								
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE																								
ILS																								
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP																								**
TOTAL PROCUREMENT																								

**Inventory Objective increased from 22 units to 23 units with the addition of the CV(N)76.

* MSIII for CV(N) is 3QTR FY2003; MSIII for the L Class is 3QTR FY2004.

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

MODELS OF SYSTEMS AFFECTED: LSO HUD - CV(N)/NEW SYSTEM LHA/LHD MODIFICATION TITLE: VISUAL - CV(N) & L Class

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: **SHIPYARD / AIT**
ADMINISTRATIVE LEADTIME: 7 Months PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT									*		*												2	
FY 2004 EQUIPMENT											*		*										1	
FY 2005 EQUIPMENT													*		*								1	
FY 2006 EQUIPMENT															*		*						8	
FY 2007 EQUIPMENT																	*		*				8	
TO COMPLETE																								
INSTALL COST - FMP																							**20	

INSTALLATION SCHEDULE:

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

* Installation funding based upon FY of availability vice hardware delivery, includes Design Services Allocation and advance planning.

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 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS																								
INSTALLATION KITS - UNIT COST																								#DIV/0!
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE																								
ILS																								
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP																								
TOTAL PROCUREMENT																								

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

MODELS OF SYSTEMS AFFECTED: LSO School Simulator MODIFICATION TITLE: VISUAL LSO W/S

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 6 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
FY 2001 EQUIPMENT																								
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																							2	0.760
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP																							2	1.000

INSTALLATION SCHEDULE:

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

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK16 MODO-Shore TYPE MODIFICATION: Improved Capabilities MODIFICATION TITLE: LRLS - Shorebased

DESCRIPTION/JUSTIFICATION:

The Long Range Line-Up System (LRLS) improves night aircraft carrier landing performance training at shore stations by providing the pilot with more precised line-up information at a greater range. Installation funded and scheduled include NALF Fentress, NALF San Clemente, NAS Whidbey Island, and NAS Lemore.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III FY1999

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
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																								
PE		0.358																						0.358
ILS		0.078																						0.078
ATE																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP					4	0.200																	4	0.200
TOTAL PROCUREMENT		1.048				0.200																		1.248

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

MODELS OF SYSTEMS AFFECTED: LRLS MK16 MODO-Shore MODIFICATION TITLE: LRLS - Shorebased

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 2000: N/A FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: N/A FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS					4	0.200																	4	0.200
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT																								
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					4	0.200																	4	0.200

INSTALLATION SCHEDULE:

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

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: LRLS MK-15 MOD O-CV(N) TYPE MODIFICATION: New Capabilities MODIFICATION TITLE: LRLS 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: MS III FY1999

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		3.470		0.365																				3.835
PROCUREMENT																								
INSTALLATION KITS			5	1.030	5	1.200																	10	2.230
INSTALLATION KITS - UNIT COST				0.206		0.240																		0.223
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		0.312		0.132		0.026		0.060																0.530
ILS		0.204		0.196		0.025																		0.425
ATE				0.035		0.035																		0.070
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP		0.220		0.493	1	0.244	4	0.916	4	0.723													9	2.596
TOTAL PROCUREMENT		0.736		1.886		1.530		0.976		0.723														5.851

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 12 Months
CONTRACT DATES: FY 2000: 12/99 FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: 12/00 FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT																								
PRIOR YEARS																								
FY 1999 EQUIPMENT		0.220		0.405	1	0.150	4	0.500															5	1.275
FY 2000 EQUIPMENT				0.088		0.094		0.416	4	0.723													4	1.321
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		0.220		0.493	1	0.244	4	0.916	4	0.723													9	2.376

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	1		2	2			2	2	1																						10
Out	1			2	2			2	2																						9

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

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK14 MOD O (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 scope display sensitivity with improved optics and stabilization. Installations funded and scheduled for FY01 are NAS Oceana, NAS Lemoore, and NALF San Clemente.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III FY2000

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E				0.400		1.800																		2.200
PROCUREMENT																								
INSTALLATION KITS					3	2.453	8	4.000	6	3.000													17	9.453
INSTALLATION KITS - UNIT COST						0.818		0.500		0.500														0.556
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE				0.200		0.423		0.290		0.205														1.118
ILS		0.146		0.098		0.220		0.103		0.086														0.653
ATE								0.040		0.037														0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - Non-FMP							3	0.330	5	0.550													8	0.880
TOTAL PROCUREMENT		0.146		0.298		3.096		4.763		3.878														12.181

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

MODELS OF SYSTEMS AFFECTED: MK 14 MOD O (Shore) MODIFICATION TITLE: IFLOLS - Shorebased

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: AIT/VRT
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 13 Months
CONTRACT DATES: FY 2000: Jun-00 FY 2001: Dec-00 FY 2002: Dec-01
DELIVERY DATE: FY 2000: Jul-01 FY 2001: Jan-02 FY 2002: Jan-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	$
INSTALLATION SUPPORT								0.045		0.075														0.120
PRIOR YEARS																								
FY 1999 EQUIPMENT																								
FY 2000 EQUIPMENT							3	0.285															3	0.285
FY 2001 EQUIPMENT									5	0.475													5	0.475
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - Non-FMP							3	0.330	5	0.550													8	0.880

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		2	2	2																						9
Out					3		1	2	2																						8

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

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 scope display sensitivity with improved optics and stabilization. Ship Alteration numbers 8634 for CVs and 8635 for CVNs apply. The funded installation in FY2000 is for USS JOHN S STENNIS (CVN 74) for their FY01 availability.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: IOC - March 2001

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E		5.920		0.685																				6.605
PROCUREMENT																								
INSTALLATION KITS			5	7.109	5	4.930																	10	12.039
INSTALLATION KITS - UNIT COST				1.422		0.986																		1.204
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE		1.156		1.838		0.525		0.459		0.171														4.149
ILS		0.297		0.545		0.210		0.120		0.059														1.231
ATE				0.035		0.037		0.005																0.077
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP		0.111		0.353		1.088	4	2.795	4	2.565													8	6.912
TOTAL PROCUREMENT		1.564		9.880		6.790		3.379		2.795														24.408

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD - Ship Alteration
ADMINISTRATIVE LEADTIME: 2 Months PRODUCTION LEADTIME: 16 Months
CONTRACT DATES: FY 2000: Jun-00 FY 2001: N/A FY 2002: N/A
DELIVERY DATE: FY 2000: Oct-01 FY 2001: N/A FY 2002: N/A

($ 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	$
INSTALLATION SUPPORT						0.030		0.030		0.030														0.090
PRIOR YEARS																								
FY 1999 EQUIPMENT		0.111		0.353		0.572	4	2.696	1	0.634													5	4.366
FY 2000 EQUIPMENT						0.486		0.069	3	1.901													3	3.130
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		0.111		0.353		1.088	4	2.795	4	2.565													8	7.586

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		2	2	1	1	1	1	1	1																						10
Out		2	1	1		1	2	1																							8

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

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. Installations funded and scheduled in FY01 include USS ABRAHAM LINCOLN (CVN 72), USS GEORGE WASHINGTON (CVN 73), USS JOHN STENNIS (CVN 74), and USS HARRY S. TRUMAN (CVN 75).

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS III FY1999

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS			1	2.100	2	4.226	3	6.530															6	12.856
INSTALLATION KITS - UNIT COST				2.100		2.113		2.177																2.143
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT																								
PE				2.937		1.320		0.595		0.125														4.977
ILS		0.302		0.839		0.404		0.195		0.091														1.831
ATE				0.035		0.633																		0.668
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST - FMP				0.379		2.114	4	5.600	2	2.479													6	10.572
TOTAL PROCUREMENT		0.302		6.290		8.697		12.920		2.695														30.904

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

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

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: SHIPYARD / Alterative Installation Team
ADMINISTRATIVE LEADTIME: 2 Month PRODUCTION LEADTIME: 13 Months
CONTRACT DATES: FY 2000: Mar-00 FY 2001: Dec-00 FY 2002:
DELIVERY DATE: FY 2000: Apr-01 FY 2001: Jan-02 FY 2002:

($ 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	$
INSTALLATION SUPPORT				0.379		1.240		0.956		0.375														2.950
PRIOR YEARS																								
FY 1999 EQUIPMENT						0.174	1	1.161															1	1.335
FY 2000 EQUIPMENT						0.360	2	2.322															2	2.682
FY 2001 EQUIPMENT						0.340	1	1.161	2	2.104													3	3.605
FY 2002 EQUIPMENT																								
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								
INSTALL COST - FMP				0.379	**	2.114	4	5.600	2	2.479													6	10.572

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		1		2	1		1	1																							6
Out		1		2	1		1	1																							6

* Installation funding based upon FY of start of availability vice hardware delivery; includes Design Services Allocation and Advance Planning.
**662K charged as non-fmp install, currently reversing and charging appropriate cost code

BUDGET ITEM JUSTIFICATION SHEET

DATE June 2001

APPROPRIATION/BUDGET ACTIVITY
OP,N - BA3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE
METEOROLOGICAL EQUIPMENT 4226

SUBHEAD
53SP

	PY	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	TO COMP	TOTAL
QUANTITY											
COST (in millions)		**$31.6**	**$30.6**	**$29.8**							

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 (FNMOC) 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.

COST ANALYSIS	**DATE** June 2001

APPROPRIATION ACTIVITY	**P-1 ITEM NOMENCLATURE**	**SUBHEAD**
OP,N - BA3 AVIATION SUPPORT EQUIPMENT	METEOROLOGICAL EQUIPMENT 4226	53SP

			TOTAL COST IN THOUSANDS OF DOLLARS															
			PY	**FY99**			**FY 2000**			**FY 2001**			**FY 2002**			**FY 2003**		
COST CODE	**ELEMENT OF COST**	**ID CODE**	**TOTAL COST**	**QTY**	**UNIT COST**	**TOTAL COST**	**QTY**	**UNIT COST**	**TOTAL COST**	**QTY**	**UNIT COST**	**TOTAL COST**	**QTY**	**UNIT COST**	**TOTAL COST**	**QTY**	**UNIT COST**	**TOTAL COST**
SP051	Satellite Receiver Upgrades (Space)	A					VAR		2,404	VAR		2,071	VAR		2,190			
SP190	TESS Upgrades	A					VAR		14,862	VAR		14,040	VAR		14,079			
SP200	SMOOS(R)	B					1	900	900	16	229	3,633	14	213	3,054			
SP300	Met Equipment (METMF(R))	A					2	3,029	6,057	1	3,373	3,373	1	3,465	3,465			
	Met Equipment (METMF(R)) Retrofits	A								VAR		856						
												4,229						
SP500	Supplemental Weather Radar (SWR)	A					1	752	752									
SP550	Aviation Safety System Upgrades	A					VAR		1,701	VAR		1,312	VAR		1,346			
SP777	Installation								4,914			5,292			5,699			
	Non-FMP						VAR		1,968	VAR		1,336	VAR		2,214			
	FMP						VAR		2,946	VAR		3,956	VAR		3,485			
	FMP								2,325			3,142			2,773			
	DSA								621			838			712			
	TOTAL CONTROL								**31,590**			**30,577**			**29,833**			

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.

PROCUREMENT HISTORY AND PLANNING

A. DATE: June 2001

B. APPROPRIATION/BUDGET ACTIVITY: OP,N - BA3 AVIATION SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE: METEOROLOGICAL EQUIPMENT 4226

SUBHEAD: 53SP

COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST Delivery	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SP200	SMOOS(R)	01	TBD	TBD	TBD	May-01	Aug-01	Sep-01	16	229,000	Yes	N/A
		02	TBD	TBD	TBD	May-01	Dec-01	May-02	14	213,000	Yes	N/A
SP300	Met Equipment (METMF(R))	01	VAR	VAR	SSC-San Diego	N/A	Nov-00	Jul-01	1	3,373,000	Yes	N/A
		02	VAR	VAR	SSC-San Diego	N/A	Nov-01	Jul-02	1	3,465,000	Yes	N/A

D. REMARKS

SP300 - COTS equipment is delivered to SSC-SD for integration into the METMF(R).

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHIP) June 2001
COST CODE SP051
MODELS OF SYSTEMS AFFECTED:
DESCRIPTION/JUSTIFICATION: Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will 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 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment			VAR	2.1	VAR	1.2	VAR	0.0	VAR	1.3														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			21	0.7	7	0.7	28	0.4	0	0.0														
PRIOR YR EQUIP			21	0.7	7	0.7																		
FY 00 EQUIP							28	0.4																
FY 01 EQUIP									0	0.0														
FY 02 EQUIP																								
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST	0.0				0.7		0.4		0.0															
TOTAL PROCUREMENT COST	0.0				1.9		0.4		1.3															

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 1 month PRODUCTION LEADTIME: 10 months

CONTRACT DATES: FY 2000 Nov-99 FY 2001 Nov-00 FY 2002: Nov-01 FY 2003:

DELIVERY DATES: FY 2000 Aug-00 FY 2001 Aug-01 FY 2002: Aug-02 FY 2003:

INSTALLATION SCHEDULE:	PY	FY 01				FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	28	7	7	7	8	0	0	0	0								
OUTPUT	28	7	7	7	8	0	0	0	0								

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

Notes/Comments:

UNCLASSIFIED

MODIFICATION TITLE: SATELLITE RECEIVER UPGRADES (SPACE) - (SHORE) June 2001

COST CODE SP051

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: Satellite Receiver Upgrades (AN/SMQ-11 and AN/FMQ-17) are environmental satellite receivers that are used to receive and process remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA) satellites, the National Polar-orbiting Operational Environmental Satellite System (NPOESS) satellites, the Geostationary Operational Environmental Satellites (GOES), and the GEOSAT Follow-On (GFO) satellite. The evolutionary upgrades will 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 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment			VAR	0.5	VAR	1.2	VAR	2.1	VAR	0.9														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			9	0.1	8	0.57	19	0.36	13	0.18														
PRIOR YR EQUIP			9	0.1	8	0.57																		
FY 00 EQUIP							9	0.17																
FY 01 EQUIP							10	0.19	3	0.02														
FY 02 EQUIP									10	0.16														
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST		0.0				0.6		0.4		0.2														
TOTAL PROCUREMENT COST		0.0				1.7		2.5		1.1														

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

CONTRACT DATES:	FY 2000	Nov-99		FY 2001	Nov-00		FY 2002:	Nov-01		FY 2003:	
DELIVERY DATES:	FY 2000	Sep-00	SMQ-11	FY 2001	Sep-01 Feb-01	SMQ-11 FMQ-17	FY 2002:	Sep-02 Feb-02	SMQ-11 FMQ-17	FY 2003:	

INSTALLATION SCHEDULE:	PY	FY 01 1	FY 01 2	FY 01 3	FY 01 4	FY 02 1	FY 02 2	FY 02 3	FY 02 4	FY 03 1	FY 03 2	FY 03 3	FY 03 4	FY 04 1	FY 04 2	FY 04 3	FY 04 4
INPUT	17	5	5	5	4	4	3	3	3								
OUTPUT	17	5	5	5	4	4	3	3	3								

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

Notes/Comments:

Exhibit P-3a, Individual Modification Program

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHIP) June 2001
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.

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

	Prior Yrs		FY 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment			3	8.4	9	9.9	8	11.1	6	7.5														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			3	1.2	9	2.2	9	2.7	8	2.0														
PRIOR YR EQUIP			3	1.2	3	0.7																		
FY 00 EQUIP					6	1.5	3	1.0																
FY 01 EQUIP							6	1.7	2	0.2														
FY 02 EQUIP									6	1.8														
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST	0.0					2.2		2.7		2.0														
TOTAL PROCUREMENT COST	0.0					12.1		13.8		9.5														

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

CONTRACT DATES: FY 2000 Nov-99 FY 2001 Nov-00 FY 2002: Nov-01 FY 2003:

DELIVERY DATES: FY 2000 Jan-00 - Sep-00 FY 2001 Jan-01 - Sep-01 FY 2002: Jan-02 - Sep-02 FY 2003:

INSTALLATION SCHEDULE:	PY	FY 01 1	2	3	4	FY 02 1	2	3	4	FY 03 1	2	3	4	FY 04 1	2	3	4
INPUT	12	1	4	1	3	2	0	3	3								
OUTPUT	12			1	4	1	3	2	0								

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

Notes/Comments: Equipment is procured just in time for delivery prior to ship installation availability windows.

MODIFICATION TITLE: TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADES (SHORE) June 2001
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.

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

	Prior Yrs		FY 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment			5	6.1	5	5.0	5	3.0	5	6.6														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			5	0.9	5	1.2	5	0.9	5	1.8														
PRIOR YR EQUIP			5	0.9																				
FY 00 EQUIP					5	1.2																		
FY 01 EQUIP							5	0.9																
FY 02 EQUIP									5	1.8														
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST	0.0					1.2		0.9		1.8														
TOTAL PROCUREMENT COST	0.0					6.2		3.9		8.4														

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

CONTRACT DATES:	FY 2000	Nov-99	FY 2001	Nov-00	FY 2002:	Nov-01	FY 2003:	
DELIVERY DATES:	FY 2000	Jan-00	FY 2001	Jan-01	FY 2002:	Jan-02	FY 2003:	

INSTALLATION SCHEDULE:	PY	FY 01				FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	10	0	2	2	1	0	1	2	2								
OUTPUT	10	0	2	2	1	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														
OUTPUT														

Notes/Comments: Total I/O = 66 sites (reg/prod centers, facilities, detachments, USMC air stations, etc.).
Refresh occurs concurrently with new installations.

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHIP) June 2001
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.

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

	Prior Yrs		FY 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment					1	0.9	13	3.0	12	2.7														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			0	0.0	0	0.0	7	0.8	13	1.5														
PRIOR YR EQUIP																								
FY 00 EQUIP							1	0.1																
FY 01 EQUIP							6	0.7	7	0.8														
FY 02 EQUIP									6	0.7														
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST	0.0				0.0		0.8		1.5															
TOTAL PROCUREMENT COST	0.0				0.9		3.8		4.2															

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 4 months - FY 01; 1 month - FY 02-07 PRODUCTION LEADTIME: 6 months

CONTRACT DATES:	FY 2000	Apr-00	FY 2001	Jul-01	FY 2002: Nov-01	FY 2003:
DELIVERY DATES:	FY 2000	Aug-00	FY 2001	Oct-01	FY 2002: May-02	FY 2003:

INSTALLATION SCHEDULE:	PY	FY 01				FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT		0	0	1	3	4	3	3	3								
OUTPUT		0	0	0	0	1	3	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														
OUTPUT														

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

MODIFICATION TITLE: SHIPBOARD METEOROLOGICAL AND OCEANOGRAPHIC OBSERVING SYSTEM REPLACEMENT - SMOOS(R) (SHORE) June 2001
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.

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

	Prior Yrs		FY 99		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	$	Qty	$
RDT&E																								
PROCUREMENT:																								
Kit Quantity																								
Installation Kits																								
Installation Kits Nonrecurring																								
Equipment							3	0.6	2	0.4														
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interm Contractor Support																								
Installation of Hardware			0	0.0	0	0.0	3	0.1	2	0.2														
PRIOR YR EQUIP																								
FY 00 EQUIP																								
FY 01 EQUIP							3	0.1																
FY 02 EQUIP									2	0.2														
FY 03 EQUIP																								
FY 04 EQUIP																								
FY 05 EQUIP																								
FY 06 EQUIP																								
FY 07 EQUIP																								
FY TC EQUIP																								
TOTAL INSTALLATION COST		0.0				0.0		0.1		0.2														
TOTAL PROCUREMENT COST		0.0				0.0		0.7		0.6														

METHOD OF IMPLEMENTATION: ADMINISTRATIVE LEADTIME: 4 months - FY 01; 1 month - FY 02-07 PRODUCTION LEADTIME: 6 months

CONTRACT DATES:	FY 2000	Nov-99	FY 2001	Jul-01	FY 2002:	Dec-01	FY 2003:	
DELIVERY DATES:	FY 2000	Jul-00	FY 2001	Oct-01	FY 2002:	Jul-02	FY 2003:	

INSTALLATION SCHEDULE:	PY	FY 01				FY 02				FY 03				FY 04			
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
INPUT		0	0	0	3	0	0	1	1								
OUTPUT		0	0	0	3	0	0	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														
OUTPUT														

Notes/Comments:

UNCLASSIFIED

CLASSIFICATION

PRODUCTION SCHEDULE

(DOD EXHIBIT P-21)

DATE: June 2001

APPROPRIATION/BUDGET ACTIVITY: OP,N - BA3 Aviation Support Equipment

P-1 ITEM NOMENCLATURE: METEOROLOGICAL EQUIPMENT

SUBHEAD NO.: 53SP

COST CODE	ITEM/MANUFACTURER	FY	SERV	PROC QTY	ACCEP PRIOR TO 1-Oct	BAL DUE AS OF 1-Oct	FISCAL YEAR 01												FISCAL YEAR 02												FISCAL YEAR 03											
							CY 00			CALENDAR YEAR 01										CALENDAR YEAR 01											CALENDAR YEAR 02											
							OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
SP200	SMOOS(R)	01		16	9	7									A			6				6			4															
		02		14	8	6															A					6				8										
SP300	MET EQUIPMENT	01		1	1			A								1																								
		02		1	1															A								1												

ITEM	Manufacturer's Name and Location	PRODUCTION RATE MSR	1-8-5	MAX	PROCUREMENT LEADTIMES ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
SMOOS (R)	TBD									
MET EQUIPMENT	Various	1	1	2	0 Mo	1 Mo	8 Mo	8 Mo	12	Vans

P-1 Shopping List-Item No 104-10 of 10

Exhibit P-21 Production Schedule

Measure is comprised of a diverse suite of on-board sensors and associated processing systems. The procurement quantity reflects only Tactical Dropsonds.

Unclassified

Classification

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3**							P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**					
Program Element for Code B Items:							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												
COST (In Millions)	**$72.6**		**$1.6**	**$1.7**	**$1.7**							

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.

BUDGET ITEM JUSTIFICATION SHEET P-40	DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3**	P-1 ITEM NOMENCLATURE **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 t 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).

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a													DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3**									P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**				
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002								
DPL Workstation	A												
Quantity		31	3	3	3								
Funding		4,286	426	432	441								
Digital SLR Color Camera	A												
Quantity		65	2	2	2								
Funding		2,076	48	48	50								
DCRS	A												
Quantity		19	4	4	4								
Funding		3,135	660	672	684								
Other Costs		63,069	511	501	535								
Total P-1 Funding*		**72,566**	**1,645**	**1,653**	**1,710**								
Includes Rewson													
*Includes quantities to meet inventory objective plus losses.													

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY: **Other Procurement, Navy/BA3**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD: **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**

TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SX008	PHOTO EQUIPMENT UNDER $100K	A	314			5									
SX019	DIGITAL COLOR PRINTER	A	268												
SX020	DIGITAL PHOTO LAB WORKSTATION	A	4,286	3	142	426	3	144	432	3	147	441			
SX021	DIGITAL SLR COLOR CAMERA	A	2,076	2	24	48	2	24	48	2	25	50			
SX050	MISC SMALL EQUIP & ECPS (PREVIOUS S4019 OF Y3S4) *	A				114									
SX100	DIGITAL CAMERA RECEIVING STATION (PREVIOUS S4100 OF Y3S4) *	A	3,135	4	165	660	4	168	672	4	171	684			
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT		749			59									
SX900	INSTALLATION (NON-FMP)		3,296			333			501			535			
	VARIOUS OTHER COSTS, FY 97 & PRIOR														
	OTHER PHOTOGRAPHIC EQUIPMENT		58,442												
	72,566					**1,645**			**1,653**			**1,710**			

* 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.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE
		June 2001

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy/BA3	OTHER PHOTOGRAPHIC EQUIPMENT	Y3SX

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	147	NRAD, Philadelphia	Apr-02	C/MIPR/FP	Various	Jun-02	Sep-02	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	
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	171	SPAWAR Det., Phil	Apr-02	C/MIPR/FP	Various	Jun-02	Sep-02	YES	

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE	June 2001				
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/BA3**				Weapon System		P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIP - Y3SX**					
		Production Rate			Procurement Leadtimes						
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure	
Digital Photo Lab Workstation	Various		N/A			9 mos	3 mos	3 mos	12 mos	EA	
Digital SLR Color Camera	Eastman Kodak, Rochester		N/A			9 mos	3 mos	3 mos	12 mos	EA	
Digital Camera Receiving Station	Various	N/A	N/A	N/A		9 mos	3 mos	3 mos	12 mos	EA	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001										BAL
						1999			CALENDAR YEAR 2000												CALENDAR YEAR 2001									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Digital Photo Lab Workstation	00	N	3	0	3									A			3												0
Digital Photo Lab Workstation	01	N	3	0	3																					A			3	0
Digital SLR Color Camera	00	N	2	0	2									A			2													0
Digital SLR Color Camera	01	N	2	0	2																					A			2	0
Digital Camera Receiving Station	00	N	4	0	4									A			4													0
Digital Camera Receiving Station	01	N	4	0	4																					A			4	0

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003										BAL
						2001			CALENDAR YEAR 2002												CALENDAR YEAR 2003									
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
Digital Photo Lab Workstation	02	N	3	0	3									A			3													
Digital SLR Color Camera	02	N	2	0	2									A			2													
Digital Camera Receiving Station	02	N	4	0	4									A			4													

Remarks:

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

	FY 1998 & Prior		FY 1999		FY 2000		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	$	QTY	$	QTY	$
FINANCIAL PLAN (IN MILLIONS)																								
RDT&E																								
PROCUREMENT																								
INSTALLATION KITS	29	4.0	2	0.280	3	0.426	3	0.432	3	0.441														
INSTALLATION KITS - UNIT COST		0.3		0.140		0.142		0.144		0.147														
INSTALLATION KITS NONRECURRING																								
EQUIPMENT																								
EQUIPMENT NONRECURRING																								
ENGINEERING CHANGE ORDERS																								
DATA																								
TRAINING EQUIPMENT																								
SUPPORT EQUIPMENT		64.2		0.081		0.827		0.720		0.734														
FIELD ACTIVITY SUPPORT		0.7		0.041		0.059																		
OTHER																								
OTHER																								
INTERIM CONTRACTOR SUPPORT																								
INSTALL COST	29	3.1	2	0.213	3	0.333	3	0.501	3	0.535														
TOTAL PROCUREMENT		71.951		0.615		1.645		1.653		1.710														

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

MODELS OF SYSTEMS AFFECTED: CVs, CVNs, CNET, PNCLA MODIFICATION TITLE: Digital Photo Lab (Phase II)

INSTALLATION INFORMATION:
METHOD OF IMPLEMENTATION: Depot Field Team
ADMINISTRATIVE LEADTIME: 9 Months PRODUCTION LEADTIME: 3 Months
CONTRACT DATES: FY 2000: June 00 FY 2001: June 01 FY 2002: June 02
DELIVERY DATE: FY 2000: Sep 00 FY 2001: Sep 01 FY 2002: Sep 02

($ 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	29	3.083																						
FY 1999 EQUIPMENT			2	0.213																				
FY 2000 EQUIPMENT					3	0.333																		
FY 2001 EQUIPMENT							3	0.501																
FY 2002 EQUIPMENT									3	0.535														
FY 2003 EQUIPMENT																								
FY 2004 EQUIPMENT																								
FY 2005 EQUIPMENT																								
FY 2006 EQUIPMENT																								
FY 2007 EQUIPMENT																								
TO COMPLETE																								

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	34	0	0	0	3	0	0	0	3																						
Out	34	0	0	0	3	0	0	0	3																						

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **Other Procurement, Navy/Aviation Support Equipment/BA3**					Date: **June 2001**		
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	**Admin Leadtime (after Oct 1):** **9 mos**					**Production Leadtime:** **3 mos**		
Digital Photo Lab Workstation	**FY 2000**	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary	**3**	**3**	**3**					
Unit Cost	**142**	**144**	**147**					
Total Cost	**426**	**432**	**441**					
Asset Dynamics								
Beginning Asset Position	31	34	37					
Deliveries from all prior year funding								
Deliveries from FY 2000 funding	3							
Deliveries from FY 2001 funding		3						
Deliveries from FY 2002 funding			3					
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	34	37	40					
Inventory Objective or Current Authorized Allowance	54	54	54					

Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 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

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **Other Procurement, Navy/Aviation Support Equipment/BA3**					Date: **June 2001**		
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	**Admin Leadtime (after Oct 1):** **9 mos**					**Production Leadtime:** **3 mos**		
Digital SLR Color Camera	**FY 2000**	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary	**2**	**2**	**2**					
Unit Cost	**24**	**24**	**25**					
Total Cost	**48**	**48**	**50**					
Asset Dynamics								
Beginning Asset Position	55	46	42					
Deliveries from all prior year funding								
Deliveries from FY 2000 funding	2							
Deliveries from FY 2001 funding		2						
Deliveries from FY 2002 funding			2					
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.	11	6	6					
End of Year Asset Position	46	42	38					
Inventory Objective or Current Authorized Allowance	108	108	108					

Inventory Objective 108	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 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

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **Other Procurement, Navy/Aviation Support Equipment/BA3**					Date: **June 2001**		
P-1 ITEM NOMENCLATURE **OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX**	**Admin Leadtime (after Oct 1):** **9 mos**					**Production Leadtime:** **3 mos**		
Digital Camera Receiving Station	**FY 2000**	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary	**4**	**4**	**4**					
Unit Cost	**165**	**168**	**171**					
Total Cost	**660**	**672**	**684**					
Asset Dynamics								
Beginning Asset Position	19	19	19					
Deliveries from all prior year funding	19							
Deliveries from FY 2000 funding	4							
Deliveries from FY 2001 funding		4						
Deliveries from FY 2002 funding			4					
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.	4	4	4					
End of Year Asset Position	19	19	19					
Inventory Objective or Current Authorized Allowance	19	19	19					

Inventory Objective 19	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 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

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **42440 AVIATION LIFE SUPPORT SYSTEMS**					
Program Element for Code B Items:							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												
COST (In Millions)	**$167.0**		**$36.0**	**$28.7**	**$21.0**						**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 Systema Poiska Avariynyich (COSPAS) Search and Rescue Statellite 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.

LASER EYE PROTECTION IMPROVEMENT PROGRAM (LEPIP) -SY080

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

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **42440 AVIATION LIFE SUPPORT SYSTEMS**					
Program Element for Code B Items:							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												
COST (In Millions)	**$167.0**		**$36.0**	**$28.7**	**$21.0**						**CONT.**	**CONT.**

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 enviroment. 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.

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.

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 situtation.

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.

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.

BUDGET ITEM JUSTIFICATION SHEET P-40											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **42440 AVIATION LIFE SUPPORT SYSTEMS**					
Program Element for Code B Items:							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												
COST (In Millions)	**$167.0**		**$36.0**	**$28.7**	**$21.0**						**CONT.**	**CONT.**

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.

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).

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).

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.

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: JUNE 2001					
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**							P-1 ITEM NOMENCLATURE **42440 AVIATION LIFE SUPPORT SYSTEMS**					
Program Element for Code B Items:							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												
COST (In Millions)	**$167.0**		**$36.0**	**$28.7**	**$21.0**						**CONT.**	**CONT.**

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.

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 used to be.

MA-16 INERTIA REEL - SY300

- The MA-16 is a multi-directional locking reel that automatically reacts to airframe deceleration from either one or all axis simultaneously. The MA-16 also features a strap acceleration-locking feature and incorporates a lock/unlock handle assembly. The MA-16 was dynamically tested to 10 years service life, utilizes an identical footprint and profiles to nearly all its predecessors and is the only available inertia reel that is compliant to MIL-R-8236, Revision F.

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.

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a											DATE: JUNE 2001	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 42440 AVIATION LIFE SUPPORT SYSTEMS					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
NEW SURVIVAL RADIO	A											
TOTAL COST ($K)		4,890	4,193	7,811	8,719							
QUANTITY		726	2,200	4,454	4,800							
C-SEL	B											
TOTAL COST ($K)		0	0	0	2,965							
QUANTITY		0	0	0	255							
LASER EYE PROTECT.	A											
TOTAL COST ($K)		2,380	1,773	0	0							
QUANTITY		2,240	1,390	0	0							
JALEPV	A											
TOTAL COST ($K)		0	0	945	1,048							
QUANTITY		0	0	135	600							
LASER EYE PROTECT.												
R-TOC	A											
TOTAL COST ($K)		0	0	930	1,170							
QUANTITY		0	0	0	0							
HABDS	A											
TOTAL COST ($K)			0	351	303							
QUANTITY		0	0	1,075	786							
PHABDS	A											
TOTAL COST ($K)		0	0	3,223	0							
QUANTITY		0	0	6,420	0							
AIRSAVE	A											
TOTAL COST ($K)		3,987	682	185	228							
QUANTITY		3,021	562	162	155							
PAESS (NDI)	A											
TOTAL COST ($K)		1,074	563	75	580							
QUANTITY		0	750	100	800							

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a										DATE: JUNE 2001		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE 42440 AVIATION LIFE SUPPORT SYSTEMS					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
SWIMMERS DRY SUIT	A											
TOTAL COST ($K)		33	47	194	0							
QUANTITY		51	68	281	0							
NAVY COMBAT EDGE	A											
TOTAL COST ($K)		3,858	1,477	876	0							
QUANTITY		633	409	246	0							
NVD (TACTICAL)	A											
TOTAL COST ($K)		7,971	1,264	656	434							
QUANTITY		1,130	195	101	67							
NVG (ROTARY)	A											
TOTAL COST ($K)		8,214	13,668	8,104	1,547							
QUANTITY		1,266	2,329	1,309	250							
LOW PROFILE	A											
FLOTATION COLLAR												
TOTAL COST ($K)		2,548	1,840	967	0							
QUANTITY		7,498	3,718	2,538	0							
MA-16 INERTIA REEL	A											
TOTAL COST ($K)		0	5,219	0	0							
QUANTITY		0	4,910	0	0							
LOX TO OBOGS (TOC)	B											
TOTAL COST ($K)		0	0	0	0							
QUANTITY		0	0	0	0							
OTHER COSTS		110,901										
PRODUCTION SUPPORT		20,817	4,894	4,347	4,041							
TEST AND EVALUATION		410	361	0	0							
TOTAL FUNDING		167,083	35,981	28,664	21,035							

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: JUNE 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** **BA 3 AVIATION SUPPORT EQUIPMENT**	ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD **42440 AVIATION LIFE SUPPORT SYSTEMS**

TOTAL COST IN THOUSANDS OF DOLLARS

COST CODE	ELEMENT OF COST	ID Code	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
SY030	NEW SURVIVAL RADIO	A	4,890	2,200	1,906	4,193	4,454	1,754	7,811	4,800	1,816	8,719			
SY060	CSEL *	B	0	0	0	0	0	0	0	255	11,627	2,965			
SY080	LASER EYE PROTECTION (LEPIP)	A	2,380	1,390	1,276	1,773	0	0	0	0	0	0			
SY085	JALEPV	A	0	0	0	0	135	7,000	945	600	1,747	1,048			
SY087	LASER EYE PROTECTION (LEPIP) - R-TOC**	A	0	0	0	0	0	0	930	0	0	1,170			
SY110	HABDS	A	0	0	0	0	1,075	326	351	786	386	303			
SY115	PHABDS	A	0	0	0	0	6,420	502	3,223	0	0	0			
SY120	AIRSAVE	A	3,987	562	1,214	682	162	1,142	185	155	1,471	228			
SY140	PAESS (NDI)	A	1,074	750	751	563	100	751	75	800	725	580			
SY155	RESCUE SWIMMERS' DRY SUIT (ARSD)	A	33	68	692	47	281	692	194	0	0	0			
SY170	NAVY COMBAT EDGE (NCE)	A	3,858	409	3,613	1,477	246	3,560	876	0	0	0			
SY210	NIGHT VISION DEVICES (TACTICAL)	A	7,971	195	6,480	1,264	101	6,482	656	67	6,482	434			
SY212	NIGHT VISION GOGGLES (ROTARY)	A	8,214	2,329	5,869	13,668	1,309	6,188	8,104	250	6,188	1,547			
SY220	LOW PROFILE FLOTATION COLLAR ***	A	2,548	3,718	495	1,840	2,538	381	967	0	0	0			
SY300	MA-16 INERTIA REEL	A	0	4,910	1,063	5,219	0	0	0	0	0	0			
SY400	LOX TO OBOGS (TOC)	B	0	0	0	0	0	0	0	0	0	0			
SY830	PRODUCTION SUPPORT SERVICES		20,817			4,894			4,347			4,041			
SY860	TEST AND EVALUATION		410			361			0			0			
	OTHER COSTS		110,901												
	167,083					**36,492**			**28,664**			**21,035**			

*** 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 toal 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.**

**** SY087 - Funding is a TOC intiative that will be for hard coating of the lens, no additional quanties will be procured. In FY-01 Presidental Budget it was combined with SY080.**

***** SY220 - Funding for FY01 is added for the shortfall stated in NAVCOMPT Budget. There is a letter from N88 authorizing this shortfall to be funded.**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) | Weapon System | A. DATE: JUNE 2001

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

C. P-1 ITEM NOMENCLATURE: **42440 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	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY030										
NEW SURVIVAL RADIO										
FY-1999	680	2.89	NAVAIR	N/A	OPTION	TADIRAN SPECTRALINK	09/99	06/00	YES	N/A
FY-2000	2,200	1.906	NAVAIR	N/A	OPTION	HOLON, ISRAEL	12/99	08/00	YES	N/A
FY-2001	4,454	1.754	NAVAIR	N/A	OPTION		03/01	07/01	YES	N/A
FY-2002	4,800	1.816	NAVAIR	N/A	OPTION		12/01	08/02	YES	N/A
SY060										
COMBAT SURVIVOR										
EVADER LOCATOR										
FY-2002	255	11.627	AFMS/SMC	N/A	FFP	BOEING, NORTH	12/01	10/02	YES	N/A
SY080										
LASER EYE PROTECTION						KAISER OPTICAL				
FY-2000	1,390	1.276	NAVAIR	N/A	OPTION	ANN ARBOR, MI	05/00	01/01	YES	N/A
SY085										
JALEPV						AOTEC				
FY-2001	135	7	NAVAIR	N/A	CPFF	SOUTHBRIDGE, MASS	07/01	09/01	YES	N/A
FY-2002	600	1.747	NAVAIR	N/A	CPFF	TBD	04/02	06/02	YES	N/A
SY110										
HABDS										
FY-2001	1,075	0.326	NAVAIR	N/A	OPTION	U.S. DIVERS	03/01	09/01	YES	N/A
FY-2002	786	0.386	NAVAIR	N/A	OPTION	VISTA, CA	03/02	09/02	YES	N/A

D. REMARKS

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE
		JUNE 2001

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	42440 AVIATION LIFE SUPPORT SYSTEMS	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	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY115										
PHABDS						U.S. DIVERS				
FY-2001	6420	0.502	NAVAIR	N/A	FFP	VISTA, CA	01/01	02/01	YES	N/A
SY120										
AIRSAVE										
FY-2000	562	1.214	DSC-P, PHIL	N/A	MILSTRIPS	VARIOUS	05/00	08/00	YES	N/A
FY-2001	162	1.142	DSC-P, PHIL	N/A	MILSTRIPS	VARIOUS	03/01	06/01	YES	N/A
FY-2002	155	1.471	DSC-P, PHIL	N/A	MILSTRIPS	VARIOUS	01/02	04/02	YES	N/A
SY140										
PAESS (NDI)										
FY-2000	750	0.751	NAWCAD/PAX	N/A	C/FP	Concorde AeroSales	11/00	01/01	YES	N/A
FY-2001	100	0.751	NAWCAD/PAX	N/A	OPTION	Ft. Lauderdale, FL	04/01	06/01	YES	N/A
FY-2002	800	0.725	NAWCAD/PAX	N/A	OPTION		03/02	06/02	YES	N/A
SY155										
SWIMMERS DRY SUIT						MUSTANG SURVIVAL				
FY-2000	68	0.692	NAWCAD/PAX	N/A	SS/FP	BELLINGHAM, WA	08/00	11/00	YES	N/A
FY-2001	281	0.692	DSC-P,PHIL	N/A	C/FP	TBD	06/01	09/01	YES	N/A
SY170										
NAVY COMBAT EDGE										
FY-2000	409	3.613	VARIOUS	N/A	OPTION	VARIOUS	11/99	08/00	YES	N/A
FY-2001	246	3.56	VARIOUS	N/A	OPTION	VARIOUS	11/00	08/01	YES	N/A

D. REMARKS

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE JUNE 2001

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT	42440 AVIATION LIFE SUPPORT SYSTEMS	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	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SY210										
NIGHT VISION DEVICES (TACTICAL)										
FY-2000	195	6.48	NAVAIR,PAX	N/A	OPTION	ITT, ROANOKE, VA	02/00	08/00	YES	N/A
FY-2001	101	6.482	NAVAIR	N/A	OPTION		05/01	11/01	YES	N/A
FY-2002	67	6.482	NAVAIR	N/A	OPTION		02/02	08/02	YES	N/A
SY212										
NIGHT VISION GOGGLES (ROTARY)										
FY-2000	77	6.466	NAVAIR	N/A	OPTION		02/00	10/00	YES	N/A
FY-2000 (Plus Up)	2,252	5.848	NAVAIR	3/00	C/FP		08/00	01/01	YES	N/A
FY-2001	1,309	6.188	NAVAIR	N/A	OPTION		05/01	01/02	YES	N/A
FY-2002	250	6.188	NAVAIR	N/A	OPTION		02/02	01/03	YES	N/A
SY220										
LOW PROFILE FLOTATION COLLAR										
FY-2000	3,718	0.495	NAWC, CL	N/A	OPTION	SEI, ASHEVILLE, NC	04/00	05/00	YES	N/A
FY-2001	2,538	0.381	NAWC, CL	N/A	OPTION		12/00	09/01	YES	N/A
SY300										
MA-16 INERTIA REEL										
FY-2000	4,910	1.063	NAWCAD/PAX	N/A	SS/FP	H KOCH & SONS	09/00	03/01	YES	N/A

D. REMARKS

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT	Date: JUNE 2001
P-1 ITEM NOMENCLATURE NEW SURVIVAL RADIO	Admin Leadtime (after Oct 1): 2 MONTHS	Production Leadtime: 10 MONTHS

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary	**2200**	**4454**	**4800**					
Unit Cost	**1.91**	**1.75**	**1.82**					
Total Cost	**4,193**	**7,811**	**8,719**					
Asset Dynamics								
Beginning Asset Position	46	866	4776					
Deliveries from all prior year funding	220	460	0					
Deliveries from FY 2000 funding	600	1600	0					
Deliveries from FY 2001 funding	0	1850	2604					
Deliveries from FY 2002 funding	0	0	800					
Deliveries from subsequent years' funding	0	0	0					
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	866	4776	8180					
Inventory Objective or Current Authorized Allowance	20000	20000	20000					

Inventory Objective 20000	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 Replacement:	PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:	FY 1999:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1998:	FY 1998:	FY 1998:		BAI
Other:	FY 1997:	FY 1997:	FY 1997:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**					Date: **JUNE 2001**		
P-1 ITEM NOMENCLATURE **COMBAT SURVIVOR EVADER LOCATOR (CSEL)**	**Admin Leadtime (after Oct 1):** **2 MONTHS**					**Production Leadtime:** **4 MONTHS**		
	FY 2000	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary			**255**					
Unit Cost			**11.63**					
Total Cost			**2,965**					
Asset Dynamics								
Beginning Asset Position			0					
Deliveries from all prior year funding			0					
Deliveries from FY 2000 funding			0					
Deliveries from FY 2001 funding			0					
Deliveries from FY 2002 funding			0					
Deliveries from subsequent years' funding			0					
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			0					
Inventory Objective or Current Authorized Allowance	9028	9028	9028					

Inventory Objective 9028	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 Replacement:	PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:	FY 1999:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1998:	FY 1998:	FY 1998:		BAI
Other:	FY 1997:	FY 1997:	FY 1997:		Inactive Inv:
TOTAL:					Storage:

Remarks:

Exhibit P-20, Requirements Study	**APPROPRIATION/BUDGET ACTIVITY** **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**					Date: **JUNE 2001**		
P-1 ITEM NOMENCLATURE **NIGHT VISION GOGGLES (ROTARY)**	**Admin Leadtime (after Oct 1):** **2 MONTHS**					**Production Leadtime:** **7 MONTHS**		
	FY 2000	**FY 2001**	**FY 2002**	**FY 2003**	**FY 2004**	**FY 2005**	**FY 2006**	**FY 2007**
Buy Summary	**2329**	**1309**	**250**					
Unit Cost	**5.87**	**6.19**	**6.19**					
Total Cost	**13,668**	**8,104**	**1,547**					
Asset Dynamics								
Beginning Asset Position	0	930	3031	4576				
Deliveries from all prior year funding	930	336	0	0				
Deliveries from FY 2000 funding	0	1765	564	0				
Deliveries from FY 2001 funding	0	0	981	328				
Deliveries from FY 2002 funding	0	0	0	250				
Deliveries from subsequent years' funding	0	0	0	0				
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	930	3031	4576	5154				
Inventory Objective or Current Authorized Allowance	5572	5572	5572	5572				

Inventory Objective 5572	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	FY 2000 thru XXXXX:	Vehicles Eligible for FY 2002 Replacement:	PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:	FY 1999:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1998:	FY 1998:	FY 1998:		BAI
Other:	FY 1997:	FY 1997:	FY 1997:		Inactive Inv:
TOTAL:					Storage:

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21			DATE JUNE 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY /BA 3 AVIATION SUPPORT EQUIPMENT**		Weapon System	P-1 ITEM NOMENCLATURE **4244O AVIATION LIFE SUPPORT SYSTEMS**

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
SY030, New Survival Radio	TADIRAN SPECTRALINK/HOLON ISRAEL	50	550	1000	10	2	6	8	10	months
SY060, C-SEL	BOEING, NORTH AMER, ANAHEIM,CA	50	700	750	10	2	10	2	4	months
SY212, NVG (ROTARY)	ITT, ROANOKE, VA	50	300	500	10	2	5	5	7	months

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001										BAL
						1999		CALENDAR YEAR 2000										CALENDAR YEAR 2001										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY030, New Survival Radio/Tadiran	99	N	680	0	680									55	55	55	55	57	57	57	57	57	57	57	61					0
	00	N	2200	0	2200			A								300	300	400	400	300	420	80								0
	01	N	4454	0	4454																		A				750	550	550	2604
SY212, Night Vision Goggles (Rotary)	00	N	77	0	77					A								77												0
	00	N	2252	0	2252											A					187	187	187	187	188	188	188	188	188	564
	01	N	1309	0	1309																				A					

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003										BAL
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
SY030, New Survival Radio/Tadiran	01	N	4454	1850	2604	550	550	550	954																					
	02	N	4800	0	4800			A								400	400													
SY060, C-SEL/Boeing	02	N	255	0	255			A																						
SY212, Night Vision Goggles (Rotary)	00	N	2252	1688	564	188	188	188																						
	01	N	1309	0	1309				109	109	109	109	109	109	109	109	109													
	02	N	250	0	250					A																				

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
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 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)		B	**$39.9**	**$31.8**	**$38.4**						**Cont.**	**Cont.**
SPARES COST (In Millions)			**$3.6**	**$1.6**	**$2.4**						**Cont.**	**Cont.**

Airborne Mine Countermeasures (AMCM) Equipment is currently used by MH-53E helicopters to counter the threat of sea mines. The MH-60S helicopter will be adapted for the AMCM mission in suppport 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.

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.

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.

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 procurement supports the MH-53E airframe.

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.

S0073 - AN/AQS-20 funding provided in FY 2000 - FY 2002 supports Limited Production (MH-53E) . The AN/AQS-20 will provide a minehunting deployment contingency capability to the MH53E. FY00/FY01 includes two AN/AQS-20 systems which will be provided to the Remote Minehunting System (RMS) program as Government Furnished Equipment (GFE).

BUDGET ITEM JUSTIFICATION SHEET -Cont. P-40	DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3: NAVY/AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures

Code B items

PE #0604373N	AMNS (MH-53E	AMNS (MH-60S)	AN/AQS-20X
DT	APR 01	JUL 02	MAR 02
OT	SEPT 01	JAN 03	JUL 02
TDP	JUL 01	SEP 02	APR 02

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures BLI# 424800**					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
Mission Kits												
Modifications	A											
Qty												
Cost			$3.1	$2.1	$2.8							
MK 105 Mod 4	A											
Qty			2									
Cost			$14.7	$1.8	$1.8							
AN/AQS-20	A											
Qty			2	3	3							
Cost			$22.1	$23.7	$22.4							
AN/AQS-14A LLSS	A											
Qty				4								
Cost				$4.2								
AN/AQS-20/X	B											
Qty												
Cost												
AMNS	B											
Qty					6							
Cost					$11.4							
ALMDS	B											
Qty												
Cost												
OASIS	B											
Qty												
Cost												
Total			$39.9	$31.8	$38.4							

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40												DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI# 424800					
Program Element for Code B Items:							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		B	**0**	**0**	**3**							
COST (In Millions)		B	**$0.0**	**$0.0**	**$8.5**							

Mission and Description:

Airborne Mine Countermeasures (AMCM) mission kits are currently being employed by the MH-53 helicopters to counter the threat of sea mines. Based on the Helicopter Master Plan, the MH-53E will be replaced by the MH-60S helicopter in performing the AMCM mission. The AMCM MH-60S helicopter incorporates fleet requirements for an Organic AMCM helicopter, capable of rapidly detecting identifying and neutralizing bottom, moored and floating sea mines. Because of the transition to a smaller helicopter, all five AMCM weapon systems will have to be integrated into the aircraft, use the same user console interface, and transmit data through the Tactical Common Data Link (TCDL). The user console interface will allow for one set of displays and keysets to be used with all of the AMCM systems, the Carriage, Stream, Tow and Recovery System (CSTRS) will be modular and also capable of working with all of the AMCM systems, and TCDL will be capable of providing near real time transfer of AMCM mission data.

The FY 2002 program will procure Organic AMCM Common Console User Interface and OAMCM Carriage, Stream, Tow & Recovery System mission kits required to physically integrate the organic AMCM sensors into the MH-60S aircraft.

23223 AMCM Common Console - Funds for the procurement of the Organic AMCM Common Console mission kits required to physically integrate the organic AMCM sensors into the MH-60S aircraft..

23224 MH-60S AMCM CSTRS - Funds for the procurement of the Organic AMCM Carriage, Stream, Tow and Recovery System (CSTARS) mission kits required to physically integrate the organic AMCM sensors into the MH-60S aircraft.

The FY 2003 program will procure Organic AMCM Common Console User Interface, OAMCM Carriage, Stream, Tow & Recovery System, and Tactical Common Data Link mission kits required to physically integrate the organic AMCM sensors into the MH-60S aircraft.

23225 MH-60S TCDL - Funds for the procurement of Tactical Common Data Link mission kits for the MH-60S aircraft. The OAMCM mission requires a tactical data link to provide near real-time MCM data to the Mine Warfare Commander.

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a									DATE: June 2001			
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY**							P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures BLI# 424800**					
Procurement Items	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
Mission Kits												
CSTRS	B											
Qty					3							
Cost					$2.5							
TCDL	B											
Qty												
Cost												
Common Console	B											
Qty					3							
Cost					$6.0							
Total					$8.5							

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System										DATE: June 2001		
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3:** **NAVY/AVIATION SUPPORT EQUIPMENT**			ID Code **B**	P-1 ITEM NOMENCLATURE/SUBHEAD **Airborne Mine Countermeasures/73S0**											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S0020	MODIFICATION	A				3,118			2,089			2,798			
S0061	Unit Cost - MK-105 Mod 4	A		2	5,013	10,026			0			0			
	NON-RECURRING ENGINEERING					346			0			0			
	PUBLICATIONS/TECHNICAL DATA					1,420			0			0			
	STRUTS-RECURRING					1,235			0			0			
	SUPPORT EQUIPMENT					202			331			258			
	CONVERSION					1,442			1,461			1,513			
	S0061 TOTAL					14,671			1,792			1,771			
S0065	Unit Cost - AMNS	B								6	1,169	7,012			
	Unit Cost - EXPENDABLES									60	51	3,049			
	NON-RECURRING ENGINEERING											0			
	SUPPORT EQUIPMENT											600			
	ILS/PUBS/TECH DATA											364			
	TRAINING EQUIPMENT											332			
	S0065 TOTAL											11,357			
	Subtotal					**17,789**			**3,881**			**15,926**			

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System		DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY **Other Procurement, Navy/BA-3** **NAVY/AVIATION SUPPORT EQUIPMENT**	ID Code **B**	P-1 ITEM NOMENCLATURE/SUBHEAD **Airborne Mine Countermeasures/73S0**	

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S0073	Unit Cost - AQS-20	B		2	5,890	11,780	3	5,788	17,364	3	6,312	18,936			
	NON-RECURRING ENGINEERING					10,314			0			0			
	ENGINEERING CHANGE PROPOSALS					0			2,469			0			
	ILS/PUBS/TECH DATA					0			3,842			2,125			
	TRAINING EQUIPMENT					0			0			1,364			
	S0073 TOTAL					22,094			23,675			22,425			
S0074	Unit Cost - AQS-20X	B													
	NON-RECURRING ENGINEERING														
	SUPPORT EQUIPMENT														
	ILS/PUBS/TECH DATA														
	TRAINING														
	S0074 TOTAL														
S0071	Unit Cost - AN/AQS-14A LLSS	B					4	940	3,760						
	ILS/PUBS/TECH DATA								473						
	S0063 TOTAL								4,233						
	Subtotal					**39,883**			**31,789**			**38,351**			

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System CH-60S VERTREP	DATE: June 2001
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy	ID Code B	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures BLI# 424800

COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
AM3S0	CSTRS	B								3	567	1,701			
AM3S0	TCDL	B													
AM3S0	Common Console	B								3	1,733	5,199			
SJ830	Production Engineering	B										1,000			
SJ860	Acceptance, Test & Evaluation	B										590			
												8,490			

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE June 2001
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 (00)										
MK-105 MOD 4-S0061	2	5013	NAVSEA	5/99	SS/FP	EDO CORP, N. AMITYVILLE, NY	4/00	2/02	YES	
AQS-20 - S0073	2	5890	NAVSEA	1/00	SS/FP	RAYTHEON, PORTSMOUTH, RI	8/00	8/02	YES	
FISCAL YEAR (01)										
AQS-20 - S0073	3	5788	NAVSEA	10/00	SS/FP	RAYTHEON, PORTSMOUTH, RI	11/00	11/02	YES	
AN/AQS-14A LLSS - S0071	4	940	NAVSEA	1/01	OPTION	NORTHROP-GRUMMAN,	1/01	11/01	YES	
FISCAL YEAR (02)										
AQS-20 - S0073	3	6312	NAVSEA	10/01	OPTION	RAYTHEON, PORTSMOUTH, RI	11/01	11/03	YES	
AMNS - S0065	6	1169	NAVSEA	9/01	SS/FP	LM/STN ATLAS, SYRACUSE, NY	10/01	10/02	NO	7/01

D. REMARKS

FY00 AN/AQS-20 is LRIP from a RMS decision April 00. FY01 & FY02 will be LRIP from a AN/AQS-20 decision scheduled for SEPT 00.

FY02 AMNS funding will be used to procure a total of eight systems from a PDM proof of production decision April 01.

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System CH-60S VERTREP			A. DATE **June 2001**		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy					C. P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI# 424800				SUBHEAD U3S0	
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
AM3S0 Common Console FY02	3	1,733	NAVAIR	03/01	FFP	TBD	11/01	09/02	Yes	N/A
AM3S0 CSTRS FY02	3	567	NAVAIR	03/01	FFP	TBD	11/01	09/02	Yes	N/A
D. REMARKS										

Exhibit P-20, Requirements Study	APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/BA3	Date: **June 2001**
P-1 ITEM NOMENCLATURE Airborne Mine Countermeasures BLI# 424800	Admin Leadtime (after Oct 1): 2 Months	Production Leadtime: 9 Months

	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Buy Summary	0	0	3					
Unit Cost	0	0	1,733					
Total Cost	0	0	5,199					
Asset Dynamics	0	0	0					
Beginning Asset Position	0	0	0					
Deliveries from all prior year funding	0	0	0					
Deliveries from FY 2000 funding	0	0	0					
Deliveries from FY 2001 funding	0	0	0					
Deliveries from FY 2002 funding	0	0	3					
Deliveries from subsequent years' funding	0	0	0					
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	0	3					
Inventory Objective or Current Authorized Allowance	0	0	3					

Inventory Objective 42	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other 0	Vehicles Eligible for FY 2001 Replacement:	Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 2000 thru	FY 2000 thru	FY 2000 thru	Vehicles Eligible for FY 2002 Replacement:	PAA: TAI
WRM Rqmt:	FY 1999:	FY 1999:	FY 1999:	Vehicle Augment:	Attrition Res:
Pipeline:	FY 1998:	FY 1998:	FY 1998:		BAI
Other:	FY 1997:	FY 1997:	FY 1997:		Inactive Inv:
TOTAL:					Storage:

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE	June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment**		Weapon System			P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures**	

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
MK-105 Mod 4	EDO, N. Amityville, NY	1	6	6	6	3	22		25	E
MK-105 Mod 4					3	1		22	23	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001												BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK-105 Mod 4	00	N	2	0	2							A																		2

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
MK-105 Mod 4	00	N	2	0	2					1		1																		0

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21			DATE	June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment**		Weapon System	P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures**	

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AMNS (MH-53E)	Lockheed, Syracuse, NY	1	6	6	2	1	12		13	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001												BAL
						1999			CALENDAR YEAR 2000												CALENDAR YEAR 2001										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AMNS (MH-53E)	02	N	6	0	6																									6

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002												CALENDAR YEAR 2003										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AMNS (MH-53E)	02	N	6	0	6	A																								

Remarks: From a PDM proof of production decision April 01, FY02 will procure six MH-53E systems.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE	June 2001
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment**			Weapon System		P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures**	

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/AQS-14A LLSS	Northrop-Grumman, ,	1	12	26	3	4	9	0	13	E
	Annapolis. MD				3	1	0	9	10	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001										BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-14A LLSS	01	N	4	0	4																A								4

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003										BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003										
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-14A LLSS	01	N	4	0	4		1	1	1	1																			0

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE	June 2001				
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment**				Weapon System	P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures**					
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/AQS-20	Raytheon, Portsmouth, RI	1	12	26	3	1	24	0	25	E
					3	1	0	24	25	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001												BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-20	00	N	2	0	2											A													2
AN/AQS-20	01	N	3	0	3														A											3
AN/AQS-20	02	N	3	0	3																									3

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-20	00	N	2	0	2											1	1													
AN/AQS-20	01	N	3	0	3																									
AN/AQS-20	02	N	3	0	3		A																							

Remarks: FY 00 AN/AQS-20 was approved for Limited Rate Initial Production under RMS approval, FY01 & FY02 requesting LRIP approval September 00.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21					DATE	June 2001				
APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY/ BA-3 Navy/Aviation Support Equipment**				Weapon System	P-1 ITEM NOMENCLATURE **Airborne Mine Countermeasures**					
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AN/AQS-20	Raytheon, Portsmouth, RI	1	12	12	3	1	24	0	25	E
					3	1	24	0	25	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2004												FISCAL YEAR 2005												BAL
						2003			CALENDAR YEAR 2004										CALENDAR YEAR 2005												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
AN/AQS-20	02	N	3	0	3																									

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2006												FISCAL YEAR 2007												BAL
						2005			CALENDAR YEAR 2006										CALENDAR YEAR 2007												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

Remarks:

FY 2002/2003 Department of the Navy Budget Production Schedule, P-21			DATE	June 2001
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY		Weapon System CH-60S VERTREP	P-1 ITEM NOMENCLATURE Airborne Mine Counter Measures BLI# 424800	

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	Econ	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
CH-60S AMCM Common Console	TBD	1	5	6	0	2	9	9	11	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2000												FISCAL YEAR 2001												BAL
						1999			CALENDAR YEAR 2000										CALENDAR YEAR 2001												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2002												FISCAL YEAR 2003												BAL
						2001			CALENDAR YEAR 2002										CALENDAR YEAR 2003												
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CH-60S AMCM Common Console	02	N	3	0	3		A										3													

Remarks:

FY 2002/2003 Department of the Navy Budget Production Schedule, P-21					DATE:	June 2001				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY			Weapon System		P-1 ITEM NOMENCLATURE Airborne Mine Counter Measures BLI# 424800					
		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	ECON	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
CH-60S AMCM Common Console	TBD	1	5	6	0	2	9	9	11	E
CH-60S AMCM CSTRS	TBD	1	5	6	0	2	9	9	11	E

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2004												FISCAL YEAR 2005												BAL
						2003			CALENDAR YEAR 2004										CALENDAR YEAR 2005											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CH-60S AMCM Common Console	04																												
CH-60S AMCM Common Console	05																												
CH-60S AMCM CSTARS	05																												

ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 2006												FISCAL YEAR 2007												BAL
						2005			CALENDAR YEAR 2006										CALENDAR YEAR 2007											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
CH-60S AMCM Common Console	06																												
CH-60S AMCM Common Console	07																												
CH-60S AMCM CSTRS	06																												
CH-60S AMCM CSTRS	07																												

Remarks:

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
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 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)	**$239.4**	**A**	**$7.3**	**$21.7**	**$13.6**						**CONT**	**CONT**

The following items are funded in this line:

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

This program finances the procurement of investment items critical to the efficient and effective execution of NAVAIR Headquarters mission needs. 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 ONLYare financed in this line. ERP funding FY2001 through FY2004 are identified in the Command Support Equipment BLI 81060.

Electronic Acquisition - The NAVAIR Electronic Acquisition funding provides for the procurement of necessary upgrades to the NAVAIR Team-wide computer infrastructure to support the rapid deployment schedule associated with the stand-up of Electronic Acquisition Iniatives. 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.

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

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

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

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

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: June 2001					
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 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Complete	Total
QUANTITY												
COST (In Millions)	**$239.4**	**A**	**$7.3**	**$21.7**	**$13.6**						**CONT**	**CONT**

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

Congressionally added funds in FY 2001 are 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.

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.

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).

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5	Weapon System	DATE: June 2001
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 2000			FY 2001			FY 2002					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S7020	NAVAIR OIS Headquarters SE	A	46,565			2,899									
S7030	PEO (A) Industrial Facilities Equipment	A	2,777			208			208			204			
S7040	NALDA	A	19,304			4,182			4,520			10,084			
S7040	NALDA - hardware and software in support of NALCOMIS Optimization.	A										3,357			
S7040	NALDA Joint Tactical Data Integration (JTDI)	A							17,000						
	Various 1/		170,706												
	1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY2000 and beyond.														
			239,352			**7,289**			**21,728**			**13,645**			

CLASSIFICATION: **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE: June 2001
B. APPROPRIATION/BUDGET ACTIVITY: OTHER PROCUREMENT, NAVY BA3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE: OTHER AVIATION SUPPORT EQUIPMENT	SUBHEAD: 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 2001	1 LOT	4,520	NICP/NAWCAD	N/A	FP/IDIQ	InterGraph	11/00	12/00	YES	N/A
FY 2002	1 LOT	13,441	NICP/NAWCAD		OPTION	InterGraph	12/02	2/03	YES	N/A
S7040-JTDI										
FY 2001	1 LOT	15,000	NICP/NAWCAD	N/A	FP/IDIQ	InterGraph	4/01	6/01	YES	N/A
FY 2001	1 LOT	2,000	NAWC/NADEP	N/A	OGA	Government	5/01	6/01	YES	N/A

D. REMARKS

* Quantitites reflect complete systems comprised of several components.

**KPMG/SAP-Software License

**Sun Microsystems- Hardware/Servers/Processors