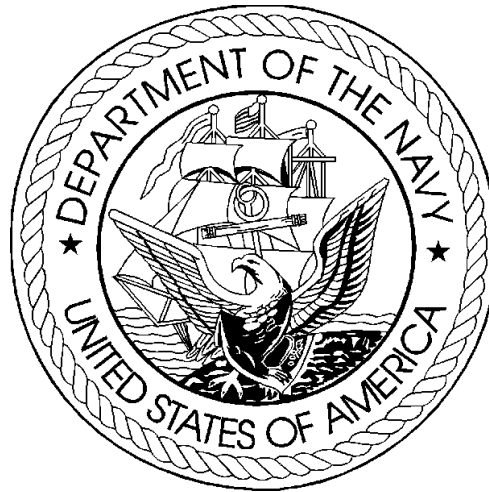


DEPARTMENT OF THE NAVY
FISCAL YEAR (FY) 2000/2001 BIENNIAL BUDGET
ESTIMATES



JUSTIFICATION OF ESTIMATES
FEBRUARY 1999

OTHER PROCUREMENT, NAVY
BUDGET ACTIVITY 3

UNCLASSIFIED

Department of the Navy

FY 2000/2001 Procurement Program

Exhibit P-1

APPROPRIATION: 1810N Other Procurement, Navy

DATE: February 1999

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2000 UNIT COST	TOA, \$ IN MILLIONS								S E C
				-----FY 1998-----		-----FY 1999-----		-----FY 2000-----		-----FY 2001-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 03: Aviation Support Equipment												

Sonobuoys												
122	4005 AN/SSQ-36 (BT)	A			2.3		3.0		-			- U
123	4025 AN/SSQ-53 (DIFAR)	A			46.7		31.6		-			- U
124	4026 Passive Sonobuoys (Non-Beam F	A			-		-		15.9		20.1	U
125	4030 AN/SSQ-57 (Special Purpose)	A			.5		2.4		-			- U
126	4032 AN/SSQ-62 (DICASS)	A			27.9		24.5		17.1		22.7	U
127	4034 AN/SSQ-77 (VLAD)	A			-		-		-		4.8	U
128	4036 AN/SSQ-101 (ADAR)	B			-		16.5		12.8		10.8	U
129	4038 AN/SSQ-110	A			.3		-		-			- U
130	4045 Signal, Underwater Sound (SUS	A			.1		1.3		-			- U
131	4050 Miscellaneous Sonobuoys Less				-		-		2.2		3.2	U
Aircraft Support Equipment												
132	4204 Weapons Range Support Equipme	A			10.3		26.0		12.2		12.2	U
133	4208 Expeditionary Airfields	A			6.6		2.5		.1		3.4	U
134	4214 Aircraft Rearming Equipment	A			9.9		12.9		12.5		12.6	U
135	4216 Aircraft Launch & Recovery Eq	A			32.0		35.4		48.7		43.9	U

* ITEMS UNDER \$50,000

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy

FY 2000/2001 Procurement Program

Exhibit P-1

APPROPRIATION: 1810N Other Procurement, Navy

DATE: February 1999

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2000 UNIT COST	TOA, \$ IN MILLIONS								S E C
				-----FY 1998-----		-----FY 1999-----		-----FY 2000-----		-----FY 2001-----		
----	-----	-----	-----	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	-----
136	4226 Meteorological Equipment	A			17.2		28.4		31.5		31.8	U
137	4242 Other Photographic Equipment	A			.8		.6		1.7		1.7	U
138	4244 Aviation Life Support	A			11.3		16.5		17.1		16.5	U
139	4248 Airborne Mine Countermeasures	A			29.3		37.1		40.5		28.2	U
140	4255 LAMPS MK III Shipboard Equipm	A			.1		-		-		-	U
141	4256 REWSON Photographic Equipment	A			.7		.9		-		-	U
142	4259 Stock Surveillance Equipment	A			1.5		-		-		-	U
143	4265 Other Aviation Support Equipm	A			6.7		4.2		4.2		3.0	U
	TOTAL Aviation Support Equipment				204.1		243.7		216.2		215.0	

* ITEMS UNDER \$50,000

UNCLASSIFIED

UNCLASSIFIED

Department of the Navy

FY 2000/2001 Procurement Program - Reserve Component

Exhibit P-1R

APPROPRIATION: 1810N Other Procurement, Navy

DATE: February 1999

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2000 UNIT COST	TOA, \$ IN MILLIONS								S E C
				-----FY 1998-----		-----FY 1999-----		-----FY 2000-----		-----FY 2001-----		
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 03: Aviation Support Equipment												

Sonobuoys												
2	4005 AN/SSQ-36 (BT)(RESERVE)	A			.*		.1		-			- U
3	4025 AN/SSQ-53 (DIFAR)(RESERVE)	A			2.5		1.8		-			- U
4	4026 Passive Sonobuoys (Non-Beam F A				-		-		2.0			1.7 U
5	4032 AN/SSQ-62 (DICASS)(RESERVE)	A			.7		1.0		1.1			1.1 U
6	4034 AN/SSQ-77 (VLAD)(RESERVE)	A			-		-		-			.6 U
7	4045 Signal, Underwater Sound (SUS A				-		.2		-			- U
8	4050 Miscellaneous Sonobuoys Less				-		-		.1			.3 U
TOTAL Aviation Support Equipment					3.2		3.0		3.2		3.7	

* ITEMS UNDER \$50,000

Other Procurement, Navy
Program and Financing (in Thousands of dollars)

Budget Plan (amounts for PROCUREMENT
actions programed)

Identification code	17-1810-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.

Program by activities:					
Direct program:					
00.0101	Ships support equipment	727,750	954,401	858,709	703,509
00.0201	Communications and electronics equipment	1,095,702	1,629,901	1,845,227	1,531,094
00.0301	Aviation support equipment	204,148	243,679	216,237	215,043
00.0401	Ordnance support equipment	520,423	715,972	629,418	668,357
00.0501	Civil engineering support equipment	48,370	54,856	67,144	94,062
00.0601	Supply support equipment	54,583	89,537	139,628	180,239
00.0701	Personnel and command support equipment	136,986	74,063	67,598	67,570
00.0801	Spares and repair parts	219,654	246,506	276,130	180,279
00.9101 Total direct program		3,007,616	4,008,915	4,100,091	3,640,153
01.0101 Reimbursable program		49,428	42,000	42,000	42,000
10.0001 Total		3,057,044	4,050,915	4,142,091	3,682,153

Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-1,417	-42,000	-42,000	-42,000
14.0001	Non-Federal sources(-)	-48,011			
17.0001	Recovery of prior year obligations				
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans				
21.4003	Available to finance new budget plans	-7,700	-28,500		
21.4009	Reprogramming from/to prior year budget plans	-20,391			
22.1001	Unobligated balance transferred to other accounts	11,177			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				
24.4003	Available to finance subsequent year budget plans	28,500			
25.0001	Unobligated balance expiring	9,214			
39.0001 Budget authority		3,028,416	3,980,415	4,100,091	3,640,153

Budget authority:					
40.0001	Appropriation	3,136,505	4,005,415	4,100,091	3,640,153
40.3601	Appropriation rescinded (unob bal)		-28,500		
40.7601	Reduction pursuant to P.L. 105-56 (-), 8035	-56,735			
41.0001	Transferred to other accounts (-)	-82,017			
42.0001	Transferred from other accounts	30,663	3,500		
43.0001 Appropriation (adjusted)		3,028,416	3,980,415	4,100,091	3,640,153

Other Procurement, Navy
Program and Financing (in Thousands of dollars)

Obligations

Identification code	17-1810-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.

Program by activities:					
Direct program:					
00.0101	Ships support equipment	730,410	803,087	845,223	739,332
00.0201	Communications and electronics equipment	1,127,427	1,479,892	1,756,499	1,583,160
00.0301	Aviation support equipment	222,704	210,650	212,051	216,653
00.0401	Ordnance support equipment	511,296	612,449	611,088	664,897
00.0501	Civil engineering support equipment	46,899	46,682	62,833	88,063
00.0601	Supply support equipment	57,524	74,718	127,586	169,612
00.0701	Personnel and command support equipment	85,983	122,715	76,319	67,896
00.0801	Spares and repair parts	220,864	204,354	263,425	197,969
00.9101 Total direct program		3,003,107	3,554,547	3,955,024	3,727,582
01.0101 Reimbursable program		46,543	47,000	42,526	42,000
10.0001 Total		3,049,650	3,601,547	3,997,550	3,769,582

Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-4,242	-42,000	-42,000	-42,000
14.0001	Non-Federal sources(-)	-46,448			
17.0001	Recovery of prior year obligations	-9,138			
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans	-439,651	-437,055	-886,423	-1,030,964
21.4003	Available to finance new budget plans	-7,700	-28,500		
21.4009	Reprogramming from/to prior year budget plans				
22.1001	Unobligated balance transferred to other accounts	11,177			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	437,055	886,423	1,030,964	943,535
24.4003	Available to finance subsequent year budget plans	28,500			
25.0001	Unobligated balance expiring	9,214			
39.0001 Budget authority		3,028,416	3,980,415	4,100,091	3,640,153

Budget authority:					
40.0001	Appropriation	3,136,505	4,005,415	4,100,091	3,640,153
40.3601	Appropriation rescinded (unob bal)		-28,500		
40.7601	Reduction pursuant to P.L. 105-56 (-), 8035	-56,735			
41.0001	Transferred to other accounts (-)	-82,017			
42.0001	Transferred from other accounts	30,663	3,500		
43.0001 Appropriation (adjusted)		3,028,416	3,980,415	4,100,091	3,640,153

Other Procurement, Navy
 Program and Financing (in Thousands of dollars)

Obligations

Identification code	17-1810-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.

Relation of obligations to outlays:					
71.0001	Obligations incurred	2,998,960	3,559,547	3,955,550	3,727,582
72.1001	From Federal sources: Receivables and unpaid, unfilled orders, SOY	-89,947	-78,045	-78,045	-78,045
72.4001	Obligated balance, start of year	3,407,474	3,193,644	3,249,253	3,563,053
74.1001	From Federal sources: Receivables and unpaid, unfilled orders, EOY	78,045	78,045	78,045	78,045
74.4001	Obligated balance, end of year	-3,193,644	-3,249,253	-3,563,053	-3,492,582
77.0001	Adjustments in expired accounts (net)	-230,320			
78.0001	Adjustments in unexpired accounts	-9,138			

90.0001	Outlays (net)	2,961,430	3,503,938	3,641,750	3,798,053

Other Procurement, Navy
Object Classification (in Thousands of dollars)

Identification code	17-1810-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.

Direct obligations:					
125.101	Advisory and assistance services	20,243	25,686	25,286	25,804
	Purchases goods/services from Government accounts				
125.301	Purchase of goods/services from Government accounts	50,825	48,754	56,614	56,259
125.303	Purchases from revolving funds	647,649	708,534	799,399	737,514
126.001	Supplies and materials	109,613	133,007	105,941	58,389
131.001	Equipment	2,174,777	2,638,566	2,967,784	2,849,616
		-----	-----	-----	-----
199.001	Total Direct obligations	3,003,107	3,554,547	3,955,024	3,727,582
Reimbursable obligations:					
231.001	Equipment	46,543	47,000	42,526	42,000
		-----	-----	-----	-----
299.001	Total Reimbursable obligations	46,543	47,000	42,526	42,000
999.901	Total obligations	3,049,650	3,601,547	3,997,550	3,769,582

Comparison of FY 1998 Financing as reflected
in FY 1999 Budget with 1998 Financing as
Shown in the FY 2000 Budget

(\$ In Thousands)

	Financing Per FY 1999 Budget	Financing Per FY 2000 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	\$3,030,074	\$3,057,044	+\$26,970
Program Requirements (Service Account)	(\$2,988,074)	(\$3,007,616)	(+19,542)
Program Requirements (Reimbursable)	(\$42,000)	(\$49,428)	(+7,428)
Appropriation (Adjusted)	\$2,982,574	\$3,028,416	+\$45,842

Explanation of Changes in Financing

The Fiscal Year 1998 program has changed since the presentation of the FY 1999 budget as noted below:

1. Program Requirements. There has been a net increase to the appropriation (adjusted) of (+\$45,842). This net change is comprised of an increase in program requirements (+\$19,542) plus an increase in reimbursable authority of (+\$7,428).

Comparison of FY 1998 program requirements as reflected
in the FY 1999 Budget with FY 1998 program requirements
as shown in the FY 2000 Budget

Summary of Requirements
(\$ in Thousands)

	Total Program Requirements per FY 1999 Budget	Total Program Requirements per FY 2000 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$721,811	\$724,150	+\$2,339
Communications and Electronic Equip	1,165,616	1,141,796	-23,820
Aviation Support Equipment	188,669	204,148	+15,479
Ordnance Support Equipment	517,909	520,423	+2,514
Civil Engineering Support Equip	46,404	51,970	+5,566
Supply Support Equipment	51,902	54,583	+2,681
Personnel and Command Support Equip	79,788	90,892	+11,104
Spares and Repair Parts	215,975	219,654	+3,679
Total Fiscal Year Program	\$2,988,074	\$3,007,616	+\$19,542

Explanation by Budget Activity
(\$ In Thousands)

1. SHIP SUPPORT EQUIPMENT (+\$2,339) - Net increase reflecting (-\$8,300) FY 1998 Congressional rescissions and internal reprogrammings (+\$10,639) including (+\$4,606) for Counter Drug Interdiction.

Explanation by Budget Activity (Continued)

(\$ In Thousands)

2. COMMUNICATIONS & ELECTRONIC EQUIPMENT (-\$23,820) - Net decrease reflecting (-\$2,300) FY 1998 Congressional rescission, decrease for economic assumptions (-\$7295), offsets for higher priority Navy programs, (-\$7829), and internal reprogramming actions of (-\$6396).
3. AVIATION SUPPORT EQUIPMENT (+\$15,479) - Net increase reflecting (+\$17,779) Congressional adjustments, and FY 1998 rescissions (-\$2,300).
4. ORDNANCE SUPPORT EQUIPMENT (+\$2,514) - Net increase reflecting FY 1998 rescissions (-\$15,000), and Congressional adjustments (+\$18,514).
5. CIVIL ENGINEERING SUPPORT (+\$5,566) - Net increase reflecting Congressional adjustments (+\$4,500), and internal realignments (+\$1,566).
6. SUPPLY SUPPORT EQUIPMENT (+\$2,691) - Net increase reflecting Congressional adjustments (-\$1,279), internal realignments (-\$330), and adjustment for Automated Teller Machines at Sea (+\$4,300).
7. PERSONNEL & COMMAND SUPPORT (+\$11,104) - Net increase reflecting Congressional adjustments (+\$8,000), economic assumptions (-\$932), and increases for high priority Navy programs including paperless acquisition (+\$4,036).
8. SPARES & REPAIR PARTS (+\$3,679) - Net increase reflecting economic assumptions (-\$1,381), and internal realignments (+\$5,060).

Comparison of FY 1999 Financing as reflected
in FY 1999 Budget with 1999 Financing as
Shown in the FY 2000 Budget

(\$ In Thousands)

	Financing Per FY 1999 Budget	Financing Per FY 2000 Budget	Increase (+) or Decrease (-)
Program Requirements (Total)	\$3,979,737	\$4,050,915	+\$71,178
Program Requirements (Service Account)	(\$3,937,737)	(\$4,008,915)	(+71,178)
Program Requirements (Reimbursable)	(\$42,000)	(\$42,000)	0
Appropriation (Adjusted)	\$3,937,737	\$3,980,415	+\$42,678

Explanation of Changes in Financing

The Fiscal Year 1998 program has changed since the presentation of the FY 1998 budget as noted below:

1. Program Requirements. There has been a net increase to the appropriation (adjusted) of +\$42,678. This net change is comprised of an increase in program requirements (+\$71,178), less rescissions of (-\$28,500).

Comparison of FY 1999 program requirements as reflected
in the FY 1999 Budget with FY 1999 program requirements
as shown in the FY 2000 Budget

Summary of Requirements (\$ in Thousands)

	Total Program Requirements per FY 1999 Budget	Total Program Requirements per FY 2000 Budget	Increase (+) or Decrease (-)
Ships Support Equipment	\$963,074	\$954,401	-\$8,673
Communications and Electronic Equip	1,530,802	1,629,901	+99,099
Aviation Support Equipment	245,663	243,679	-1,984
Ordnance Support Equipment	674,703	715,972	+41,269
Civil Engineering Support Equip	69,902	54,856	-15,046
Supply Support Equipment	108,905	89,537	-19,368
Personnel and Command Support Equip	65,660	74,063	+8,403
Spares and Repair Parts	279,028	246,506	-32,522
Total Fiscal Year Program	\$3,937,737	\$4,008,915	+\$90,546

Explanation by Budget Activity
(\$ in Thousands)

1. Ships Support Equipment (-\$8,673) – Net changes reflect FY 1998 Congressional adjustments (-\$8,673).
2. Communications and Electronics Equipment (+\$99,099) – Net changes reflect FY 1998 Congressional reductions (-\$61,730), Congressional increases(+\$155,206), and DoN internal realignments (+\$5,623).

Comparison of FY 1999 program requirements as reflected
in the FY 1999 Budget with FY 1999 program requirements
as shown in the FY 2000 Budget

Explanation by Budget Activity (Continued)
(\$ in Thousands)

3. Aviation Support Equipment (-\$1,984) - Changes reflect FY 1998 Congressional reductions (-\$9,551), Congressional increases(+\$18,000), and DoN offsets for higher priority programs (-\$6,465).
4. Ordnance Support Equipment (+\$41,269) - Changes reflect FY 1998 Congressional reductions (-\$7,960), Congressional increases(+\$47,800), and DoN internal realignments (+\$1,429).
5. Civil Engineering Support Equipment (-\$15,046) - Changes reflect FY 1998 Congressional reductions (-\$7,260), and DoN offsets for higher priority programs (-\$7,786) .
6. Supply Support Equipment (-\$19,368) - Changes reflect FY 1998 Congressional reductions (-\$27,417), and DoN realignments for Automated Teller Machines at Sea (+\$8,049).
7. Personnel and Command Support (+\$8,043) - Changes reflect Congressional reductions (-\$297), Congressional increases (+\$6,500), and DoN realignments for Paperless Acquisition (+\$2,200).
8. Spare and Repair Parts (-\$32,522) - Changes reflect FY 1998 Congressional reductions (-\$32,522).

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE **AN/SSQ-36 (BT) SONOBUOY**

PEO(A) PROGRAM NARM#400500

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY	2,954		8,822	13,343								
COST (In Millions)	\$71.4	A	\$2.3	\$3.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-36 is an air-dropped bathythermograph transmitting set that is used to provide a vertical temperature profile of the ocean with respect to depth. The data is transmitted to ASW 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.

The FY98 program has been awarded to Sparton for a quantity of 8,822.

The FY99 program provides for 13,343 AN/SSQ-36 sonobuoys to be competed among qualified manufacturers.

Beginning in FY00 the SSQ-36 is combined into a new budget line -- 405000 Miscellaneous Sonobuoys Less Than \$5M.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
41	55	0	0	0	0	0	0

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System AN/SSQ-36 (BT) SONOBUOY						DATE: February 1999			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #400500 SUBHEAD U3QG								
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years	FY 1998			FY 1999			FY 2000						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
QG001	AN/SSQ-36 w/SLC*	A	60,785	8,822	\$243.14	2,145	13,343	\$197.19	2,631							
QG830	PRODUCTION ENGINEERING		4,060			101			158							
QG860	ACCEPTANCE TESTING		6,524			100			166							
	* SONOBUOY LAUNCH CONTAINER															
			71,369			2,346			2,955							

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-36 (BT)		A. DATE February 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #400500				SUBHEAD U3QG	
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 94										
AN/SSQ-36 w/SLC	3,300	238.40	NSWC CRANE		C/FFP	HERMES, CANADA	**	1/99	YES	
	2,000	255.26	NSWC CRANE		C/FFP	SPARTON, FL	**	11/98	YES	
FY 95										
AN/SSQ-36 w/SLC	4,625	255.26	NSWC CRANE		C/FFP	SPARTON, FL	**	9/97	YES	
FY97 *										
AN/SSQ-36 w/SLC	2,954	244.11	NSWC CRANE	Oct-96	C/FFP	SPARTON, FL	**	5/98	YES	
FY98										
AN/SSQ-36 w/SLC	8,822	243.14	NSWC CRANE	Oct-97	C/FFP	SPARTON, FL	3/98	10/98	YES	
FY99										
AN/SSQ-36 w/SLC	13,343	197.19	NSWC CRANE	Oct-98	C/FFP	TBS	1/99	1/00	YES	
D. REMARKS										
** CONTRACT MOD - Due to a partial termination of Hermes and subsequent reprocurement with Sparton.										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999																																							
APPROPRIATION/BUDGET ACTIVITY						Weapon System				P-1 ITEM NOMENCLATURE																																					
OTHER PROCUREMENT, NAVY, B.A. - 3						AN/SSQ-36 (BT)				PEO (A) PROGRAM NARM #400500																																					
		Production Rate			Procurement Leadtimes																																										
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																																	
AN/SSQ-36B	HERMES, CANADA*					0.25	12	12							K																																
AN/SSQ-36B	SPARTON, FL					0.25	12	12		3	*** 12		15																																		
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L																	
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999																													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																		
QG001 AN/SSQ-36-HERMES(K)***	94		3.3	0	3.3														1	1.4	0.9												0														
QG001 AN/SSQ-36-SPARTON(K)***	94		2.0	0	2.0									2.0																			0														
QG001 AN/SSQ-36-SPARTON(K)***	95		4.6	1	3.6										2.2	1.4																	0														
QG001 AN/SSQ-36 SPARTON	97		3.0	0	3.0									2.0																																	
QG001 AN/SSQ-36 - SPARTON (K)	98		8.8	0	8.8									0.8	2.7	2.7													1.3	1.3			0														
QG001 AN/SSQ-36-NOTSELECTED(K)	99		13.3	0	13.3																												13.3														
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L																	
						1999						CALENDAR YEAR 2000						CALENDAR YEAR 2001																													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P																		
QG001 AN/SSQ-36-NOT SELECTED(K)	99		13.3	0	13.3										1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1	1.1					0														
***Manufacturers currently require a 12 month Production Lead Time (PLT). The contractually required lead time has been adjusted accordingly. This change has no net affect as it has been incorporated into all procurements beginning in FY-99 and beyond.																																															
Remarks: * RATES ARE BASED ON THE FY95 CONTRACT VERSUS THE INDUSTRIAL BASE PLAN. HERMES IS NO LONGER A MOBILIZATION BASE PRODUCER. ** IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.***Sporadic FY94 and FY95 delivery schedules are due to partial termination of Hermes contracts and subsequent reprocurement with Sparton.																																															

CLASSIFICATION:

BUDGET ITEM JUSTIFICATION SHEET											DATE: FEBRUARY 1999																	
P-40																												
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-53 (DIFAR) SONOBUOY																					
							PEO (A) PROGRAM NARM #402500																					
Program Element for Code B Items: BA3 - AVIATION SUPPORT EQUIPMENT							Other Related Program Elements																					
	Prior Years*	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY			113,714	69,561																								
COST (In Millions)	\$1,211.1	A	\$46.7	\$31.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>The AN/SSQ-53 (DIFAR) is a passive directional sonobuoy which provides acoustic target localization information. The AN/SSQ-53E DIFAR 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 (CSO) hydrophone, (2) Command Function Select (CFS), (3) additional DIFAR depth, and (4) Automatic Gain Control (AGC).</p> <p>FY97 contracts were awarded to Hermes (17,843), Sparton (6,556) and Raytheon (3,717) for a total quantity of 28,116 AN/SSQ-53E's. The FY97 program included \$6.5M for an AN/SSQ-53E ECP.</p> <p>The FY98 contract has been awarded to Hermes (9,880), Raytheon (57,137) and Sparton (46,697) for a total quantity of 113,714 AN/SSQ-53E's.</p> <p>The FY99 program provides for 69,561 AN/SSQ-53E Sonobuoys to be competed among qualified manufacturers.</p> <p>Beginning in FY00 the SSQ-53 is combined into a new budget line -- 402600 Passive Sonobuoys (Non-Beamforming).</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width:100%; border: none;"> <tr> <td style="text-align: left;">FY98</td> <td style="text-align: left;">FY99</td> <td style="text-align: left;">FY00</td> <td style="text-align: left;">FY01</td> <td style="text-align: left;">FY02</td> <td style="text-align: left;">FY03</td> <td style="text-align: left;">FY04</td> <td style="text-align: left;">FY05</td> </tr> <tr> <td style="text-align: left;">2,494</td> <td style="text-align: left;">1,791</td> <td style="text-align: left;">0</td> <td style="text-align: left;">0</td> <td style="text-align: left;">0</td> <td style="text-align: left;">0</td> <td style="text-align: left;">0</td> <td style="text-align: left;">0</td> </tr> </table>													FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	2,494	1,791	0	0	0	0	0	0
FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
2,494	1,791	0	0	0	0	0	0																					

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System AN/SSQ-53 (DIFAR) SONOBUOY						DATE: FEBRUARY, 1999			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3- AVIATION SUPPORT EQUIPMENT						ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #402500 SUBHEAD U3QC							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QC001	AN/SSQ-53 w/SLC*	A	** 1,061,669	113,714	\$353.47	40,218	69,561	\$405.81	28,229						
QC830	PRODUCTION ENGINEERING		66,027			3,858			1,694						
QC860	ACCEPTANCE TESTING		83,451			2,668			1,680						
	* SONOBUOY LAUNCH CONTAINER														
	** In addition to hardware, total costs include \$6.5M for an ECP and \$386K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.														
	*** In addition to hardware, total costs include 23.5K for data packages separately priced.														
			\$1,211,147			\$46,744			\$31,603						

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-53 (DIFAR)			February 1999		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #402500				SUBHEAD U3QC	
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
FY97 *										
AN/SSQ-53 w/SLC	17,843	\$380.83	NSWC CRANE	10/96	C/FFP	HERMES, CAN	4/97	***9/98	YES	
	6,556	\$432.58	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	***1/99	YES	
	3,717	\$456.85	NSWC CRANE	10/96	C/FFP	RAYTHEON, IN	5/97	***12/98	YES	
FY98 **										
AN/SSQ-53 w/SLC	9,880	\$395.00	NSWC CRANE	10/97	C/FFP	HERMES, CAN	2/98	****5/99	YES	
	46,697	\$353.44	NSWC CRANE	10/97	C/FFP	SPARTON, FL	2/98	****4/99	YES	
	57,137	\$346.31	NSWC CRANE	10/97	C/FFP	RAYTHEON, IN	2/98	****4/99	YES	
FY99										
AN/SSQ-53 w/SLC	69,561	\$405.81	NSWC CRANE	10/98	C/FFP	NOT SELECTED	1/99	1/00	YES	

D. REMARKS

* In addition to hardware, total costs include \$355K for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs, and data packages. ** In addition to hardware, total costs include \$23.5K for data packages separately priced.

*** Time from award to delivery of 15-19 months due to ECP design and qualification testing.

**** FY98 deliveries pending FY97 qualification completion.

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21						DATE												FEBRUARY 1999																
APPROPRIATION/BUDGET ACTIVITY						Weapon System						P-1 ITEM NOMENCLATURE																						
OTHER PROCUREMENT, NAVY						AN/SSQ-53 (DIFAR) SONOBUOY						PEO(A) PROGRAM NARM #402500																						
						Production Rate			Procurement Leadtimes																									
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																				
AN/SSQ-53	SPARTON, FL					0.38	28.0	65.0*		3	12		15	K																				
AN/SSQ-53	USSI, IN**					0.38	32.6	65.0*		3	12		15	K																				
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												B A L																
						CALENDAR YEAR 1998																												
						CALENDAR YEAR 1999																												
QC001 - AN/SSQ-53						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
HERMES (K)	97		17.8	0.0	17.8													1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.2	2.4	0.0				
SPARTON (K)	97		6.6	0.0	6.6																0.5	1.2	1.2	1.2	1.2	1.3				0.0				
RAYTHEON (K)	97		3.7	0.0	3.7																0.5	0.7	1.2	1.3						0.0				
QC001 - AN/SSQ-53																																		
HERMES (K)	98		9.9	0.0	9.9																						0.9	0.8	0.8	0.8	0.8	5.8		
SPARTON (K)	98		46.7	0.0	46.7																					1.0	4.0	5.0	5.0	5.0	21.7			
RAYTHEON (K)	98		57.1	0.0	57.1																					2.8	2.8	4.7	4.7	4.7	32.7			
QC001-AN/SSQ-53-NOT SELECTED(K)	99		69.6	0.0	69.6																										69.6			
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												B A L																
						CALENDAR YEAR 2000																												
						CALENDAR YEAR 2001																												
QC001- AN/SSQ-53						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L				
HERMES (K)	98		9.9	4.1	5.8	0.8	0.8	1.3	1.3	1.6																					0.0			
SPARTON(K)	98		46.7	25.0	21.7	5	5	5	5	1.7																					0.0			
RAYTHEON(K)	98		57.1	24.4	32.7	4.7	4.7	7.6	7.6	8.1																					0.0			
QC001-AN/SSQ-53-NOT SELECTED(K)	99		69.6	0	69.6				1.5	1.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	7.2	5.1	3.2											0.0			
*** Manufacturers currently require a 12 month Production Lead Time (PLT), as such the contractually required lead time has been adjusted accordingly.																																		
This change has no net affect as it has been incorporated into all procurements beginning in FY99 and beyond.																																		
Remarks:																																		
* IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.																																		
** EFFECTIVE 18 DECEMBER 1998, RAYTHEON HAS BEEN RENAMED UNDERSEA SENSOR SYSTEMS, INCORPORATED, IN.																																		

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE **PASSIVE SONOBUOYS (NON-BEAM FORMING)**

PEO(A) PROGRAM NARM#402600

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY					27,004	36,921	38,379	44,940	43,277	41,745		
COST (In Millions)		A	\$0.0	\$0.0	\$15.9	\$20.1	\$20.8	\$24.0	\$23.8	\$23.5	CONTINUING	

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 program provides for 24,481 AN/SSQ-53 sonobuoys and 2,523 AN/SSQ-57 sonobuoys for a total of 27,004 Passive (Non-Beam Forming) Sonobuoys.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
0	0	2.0	1.7	1.6	1.6	1.7	1.7

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System PASSIVE SONOBUOYS (NON-BEAM FORMING)						DATE: February 1999						
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 1998			FY 1999			FY 2000						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
QW001	HARDWARE AN/SSQ-53 AN/SSQ-57	A				0			0	24,481	535.46	13,109				14,163
			0			0			0	2,523	417.80	1,054				
QW830	PRODUCTION ENGINEERING AN/SSQ-53 AN/SSQ-57					0			0			787				850
			0			0			0			63				
QW860	ACCEPTANCE TESTING AN/SSQ-53 AN/SSQ-57					0			0			851				920
			0			0			0			69				
						0			0			\$15,933				

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Passive (Non-Beam Forming)		A. DATE February 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #402600				SUBHEAD U3QW	
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
FY00										
AN/SSQ-53 w/SLC*	24,481	535.46	NSWC CRANE	10/99	C/FFP	NOT SELECTED	1/00	1/01	YES	
AN/SSQ-57 (SP)	2,523	417.80	NSWC CRANE	10/99	C/FFP	NOT SELECTED	1/00	1/01	YES	
*Sonobuoy Launch Container										
D. REMARKS										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 1999																												
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, B.A. - 3						Weapon System Passive Non-Beam Forming						P-1 ITEM NOMENCLATURE PEO (A) PROGRAM NARM #402600																						
		Production Rate			Procurement Leadtimes																													
Item	Manufacturer's Name and Location		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																							
AN/SSQ-53	HERMES, CANADA*		0.25	12	12						K																							
	SPARTON, FL		0.25	12	12		3	12		15	K																							
AN/SSQ-57	TBD		TBD	TBD	TBD		3	12		15	K																							
ITEM / MANUFACTURER		FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1998															FISCAL YEAR 1999												BAL
							1997			CALENDAR YEAR 1998												CALENDAR YEAR 1999												
							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 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/SSQ-53 - NOT SELECTED (K)		00		24.5	0	24.5					A											2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	6.5	
AN/SSQ-57 - NOT SELECTED (K)		00		2.5	0	2.5				A												0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7	
Remarks:																																		

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 1999																											
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						Weapon System Passive Non-Beam Forming						P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #402600																					
						Production Rate			Procurement Leadtimes																								
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																			
AN/SSQ-53	HERMES, CANADA*					0.25	12	12						K																			
	SPARTON, FL					0.25	12	12		3	12		15	K																			
AN/SSQ-57	TBD					TBD	TBD	TBD		3	12		15	K																			
						FISCAL YEAR 2002												FISCAL YEAR 2003															
ITEM / MANUFACTURER						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003									BAL						
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	BAL			
						C	O	E	A	E	A	P	A	U	U	S	C	O	E	A	E	A	P	A	U	J	J	A	S				
						T	V	C	N	B	R	R	Y	N	L	E	E	T	V	C	N	B	R	R	Y	N	L	U	G	E			
AN/SSQ-53 - NOT SELECTED (K)	00		24.5	18.0	6.5	2.0	2.0	2.5																						0			
AN/SSQ-57 - NOT SELECTED (K)	00		2.5	1.8	0.7	0.3	0.2	0.2																					0				
						FISCAL YEAR 2004												FISCAL YEAR 2005															
ITEM / MANUFACTURER						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005									BAL						
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	BAL			
						C	O	E	A	E	A	P	A	U	U	S	C	O	E	A	E	A	P	A	U	J	J	A	S				
						T	V	C	N	B	R	R	Y	N	L	E	E	T	V	C	N	B	R	R	Y	N	L	U	G	E			
Remarks:																																	

CLASSIFICATION:

UNCLASSIFIED

**BUDGET ITEM JUSTIFICATION SHEET
P-40**

DATE: **February 1999**

APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY	P-1 ITEM NOMENCLATURE AN/SSQ-57 (SP) PEO (A) PROGRAM NARM #403000
---	---

Program Element for Code B Items:	Other Related Program Elements
-----------------------------------	--------------------------------

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			0	679								
COST (In Millions)	\$57.9	A	\$0.5	\$2.4	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

The AN/SSQ-57 (SP) is a special purpose calibrated passive 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.

The FY98 program provides for an analysis of the changes required to meet Congressional direction to modify AN/SSQ-57 sonobuoys to meet changing threat acoustic signatures.

The FY 99 program provides for a \$2M ECP and for 679 AN/SSQ-57 (SP) Sonobuoys to be competed among qualified manufacturers.

Beginning in FY00 the SSQ-57 is combined into a new budget line - 402600 Passive Sonobuoys (Non-Beamforming).

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
0	0	0	0	0	0	0	0

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System AN/SSQ-57 (SP) SONOBUOY						DATE: FEB 1999					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #403000 SUBHEAD U3QS										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QS 001	AN/SSQ-57 w/SLC* ECP for changing threat acoustic signature modification.	A	50,654			434	679	570.00	2,387						
QS830	PRODUCTION ENGINEERING		3,473			20			23						
QS860	ACCEPTANCE TESTING		3,763			30			15						
	*SONOBUOY LAUNCH CONTAINER														
	** Includes \$2M for an ECP														
			57,890			484			2,425						

CLASSIFICATION:

UNCLASSIFIED

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			A. DATE		
Other Procurement, Navy					PEO(A) PROGRAM NARM #403000			February 1999		
B.A.3. - AVIATION SUPPORT EQUIPMENT								SUBHEAD		
								U3QS		
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
FY99 AN/SSQ-57 *	679	\$570.00	NSWC CRANE	10/98	C/FFP	NOT SELECTED	1/99	1/00	YES	6/98
D. REMARKS										
* The P-5A exhibit depicts only hardware quantities and unit costs. In addition to hardware, total costs include \$2M for ECP.										

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY	P-1 ITEM NOMENCLATURE AN/SSQ-62 (DICASS) SONOBUOY
Program Element for Code B Items: B.A. 3 - AVIATION SUPPORT EQUIPMENT	PEO(A) PROGRAM NARM: #403200 SUBHEAD: U3QF Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			24,461	19,398	11,801	17,104	17,662	15,264	12,683	14,902	CONTINUING	
COST (In Millions)	\$527.2		\$27.9	\$24.5	\$17.1	\$22.7	\$23.5	\$21.3	\$18.8	\$21.5	CONTINUING	

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 FY98 contract has been awarded to Raytheon (21,461) and Sparton (3,000) for a total quantity of 24,461.

The FY99 contract provides for 19,398 sonobuoys to be competed among qualified manufacturers.

The FY00 contract provides for 11,801 sonobuoys to be competed among qualified manufacturers.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
711	1002	1129	1144	1212	1185	1215	1239

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System AN/SSQ-62 (DICASS) SONOBUOY				DATE: FEBRUARY 1999				
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 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QF001	AN/SSQ-62 w/ SLC*	A	** *** 462,615	24,461	\$983.06	** *** ***** 25,862	19,398	\$1,127.19	21,865	11,801	\$1,288.89	15,210			
QF830	PRODUCTION ENGINEERING		26,462			1,205			1,241			913			
QF860	ACCEPTANCE TEST		30,868			793			1,407			988			
	ECP		7,240												
	* SONOBUOY LAUNCH CONTAINER														
	** The FY97 & FY98 programs include funding for silver.														
	*** In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages														
	**** FY98 program includes \$1.8M for costs associated with transition to Thermal Battery.														
			\$527,185			27,860			24,513			17,111			

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-62 (DICASS) SONOBUOY		A. DATE FEBRUARY 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B. A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM				SUBHEAD U3QF	
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
FY94 AN/SSQ-62D w/SLC	13,296	\$938.69	NSWC CRANE	6/95	C/FFP	SPARTON, FL	8/96	5/97	YES	
FY96 AN/SSQ-62D w/SLC	1,446	\$1,364.30	NSWC CRANE	10/95	C/FFP	SPARTON, FL	4/96	3/98	YES	
FY97 AN/SSQ-62D w/SLC*	19,183	\$873.60	NSWC CRANE	10/96	C/FFP	SPARTON, FL	4/97	5/98	YES	
AN/SSQ-62D w/SLC*	3,593	\$1,135.21	NSWC CRANE	10/96	C/FFP	RAYTHEON, IN	4/97	5/99	YES	
The FY97 program includes \$8.1M for an AN/SSQ-62E ECP.										
FY98 AN/SSQ-62E w/SLC*	21,461	\$918.06	NSWC CRANE	10/97	C/FFP	RAYTHEON, IN	2/98	* 8/99	YES	
	3,000	\$1,448.06	NSWC CRANE	10/97	C/FFP	SPARTON, FL	2/98	* 6/99	YES	
The FY98 program includes \$1.8M for costs associated with transition to Thermal Battery										
FY99 AN/SSQ-62E w/SLC	19,398	\$1,127.19	NSWC CRANE	10/98	C/FFP	NOT SELECTED	1/99	1/00	YES	
FY00 AN/SSQ-62E w/SLC	11,801	\$1,288.89	NSWC CRANE	10/99	C/FFP	NOT SELECTED	1/00	1/01	YES	
D. REMARKS										
<p>In addition to hardware, total costs include other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages.</p> <p>The P-5A exhibit depicts only hardware quantities and unit costs.</p> <p>* 14-16 months from award to first delivery due to AN/SSQ-62E ECP design and qualification testing.</p>										

UNCLASSIFIED

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21					DATE FEBRUARY 1999									
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY					Weapon System AN/SSQ-62 (DICASS)					P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #403200				

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes				Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
AN/SSQ-62	USSI, IN	0.25	2.6	8.0*		3	*** 12		15	K
	SPARTON, FL	0.25	8.0	8.0*		3	*** 12		15	K
(Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)										

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/SSQ-62 - SPARTON (K)	94		13.3	8.2	5.1			1.7	1.6	1.1	0.7													
AN/SSQ-62 - SPARTON (K)	96		1.4	0.0	1.4						1.4																0.0			
AN/SSQ-62 - SPARTON (K) **	97		19.2	0.0	19.2									3.4	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.2						0.0	
RAYTHEON (K) **	97		3.6	0.0	3.6																			0.9	0.9	0.9	0.9	0.0		
AN/SSQ-62 - SPARTON (K) **	98		3.0	0.0	3.0					A														0.3	0.3	0.3	0.3	1.8		
AN/SSQ-62 - RAYTHEON (K) **	98		21.5	0.0	21.5					A															2.8	2.8	15.9			
AN/SSQ-62 - NOT SELECTED (K)	99		19.4	0.0	19.4															A								19.4		
The FY 97 program includes \$7.2M for an AN/SSQ-62E ECP.																														

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999						CALENDAR YEAR 2000						CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/SSQ-62 - SPARTON (K) **	98		3.0	1.2	1.8	0.3	0.3	0.3	0.3	0.3	0.3													
AN/SSQ-62 - RAYTHEON (K) **	98		21.5	5.6	15.9	2.8	2.8	2.8	2.6	2.6	2.3																	0.0		
AN/SSQ-62 - NOT SELECTED (K)	99		19.4	0.0	19.4				0.3	0.3	0.3	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1								0.0		
AN/SSQ-62 - NOT SELECTED (K)	00		11.8	0.0	11.8				A									1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.8		

Remarks:
 * IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 30%-50%. ** 14-16 MONTHS FROM AWARD TO FIRST DELIVERY DUE TO AN/SSQ-62E ECP DESIGN AND QUALIFICATION TESTING. *** MANUFACTURERS CURRENTLY REQUIRE A 12-MONTH PRODUCTION LEAD TIME (PLT). THE CONTRACTUALLY REQUIRED LEAD TIME HAS BEEN ADJUSTED ACCORDINGLY. THIS CHANGE HAS NO NET AFFECT AS IT HAS BEEN INCORPORATED INTO ALL PROCUREMENTS BEGINNING IN FY-99 AND BEYOND.

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21 DATE February 1999

APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** Weapon System AN/SSQ-62 (DICASS) P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #403200

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total		
AN/SSQ-62	USSI, IN	0.25	2.6	8.0*		3	12		15	K	
	SPARTON, FL	0.25	8.0	8.0*		3	12		15	K	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						AN/SSQ-62 - NOT SELECTED (K)	00		11.8	9.8	2.8	1	0.9	0.9																

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2004												FISCAL YEAR 2005												B A L
						2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	

Remarks:

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AN/SSQ-101 (ADAR) PEO (A) PROGRAM NARM #403600					
Program Element for Code B Items: Transitioning from R&D PROGRAM ELEMENT 0604261N in FY 99							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY			0	3,764	3,229	2,806	4,290	3,313	4,636	5,185	CONTINUING	
COST (In Millions)	\$0		\$0.0	\$16.5	\$12.8	\$10.8	\$13.9	\$11.1	\$13.8	\$14.6	CONTINUING	
<p>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.</p> <p>The FY99 program provides for 3,764 AN/SSQ-101's to be competed among qualified manufacturers.</p> <p>The FY00 program provides for 3,229 AN/SSQ-101's to be competed among qualified manufacturers.</p> <p>THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.</p>												

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System AN/SSQ-101 (ADAR) SONOBUOY									DATE: February 1999			
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 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QT001	AN/SSQ-101 w/SLC*	B					3,764	3,908.89	14,713	3,229	3,516.87	11,356			
QT830	PRODUCTION ENGINEERING								883			682			
QT860	ACCEPTANCE TESTING								886			735			
	* SONOBUOY LAUNCH CONTAINER														
			0			0			16,482			12,773			

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System AN/SSQ-101 (ADAR) SONOBUOY		A. DATE February 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 403600				SUBHEAD U3QT	
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 99 AN/SSQ-101	3,764	\$3,908.89	NSWC CRANE	10/98	SS/FFPI	ERAPSCO, IN	1/99	1/00	NO	9/98
FY 00 AN/SSQ-101	3,229	\$3,516.87	NSWC CRANE	10/99	C/FFP	NOT SELECTED	1/00	1/01	NO	9/98
D. REMARKS										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999																							
APPROPRIATION/BUDGET ACTIVITY						Weapon System			P-1 ITEM NOMENCLATURE																						
OTHER PROCUREMENT, NAVY						AN/SSQ-101 (ADAR)			PEO(A) PROGRAM NARM 403600																						
						Production Rate			Procurement Leadtimes																						
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																	
AN/SSQ-101 (ADAR)	ERAPSCO, IN					TBD	TBD	TBD		3	12		15	K																	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												B A L												
							CALENDAR YEAR 1998									CALENDAR YEAR 1999															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
AN/SSQ-101 - ERAPSCO, IN (K)		99		3.8	0	3.8													A												3.8
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												B A L												
							CALENDAR YEAR 2000									CALENDAR YEAR 2001															
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
AN/SSQ-101 - ERAPSCO, IN (K)		99		3.8	0	3.8				0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.4										0
AN/SSQ-101 - NOT SELECTED (K)		00		3.2	0	3.2				A												0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.6
Remarks:																															

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 1999																								
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						Weapon System AN/SSQ-101 (ADAR)					P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 403600																			
		Production Rate			Procurement Leadtimes																									
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																
AN/SSQ-101 (ADAR)	TBD					TBD	TBD	TBD		3	12		15	K																
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2002												FISCAL YEAR 2003												B A L
						2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/SSQ-101 - NOT SELECTED (K)	00		3.2	2.6	0.6	0.2	0.2	0.2																					0	
Remarks:																														

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999																					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE SIGNAL, UNDERWATER SOUND (SUS) PEO(A) PROGRAM NARM#404500																					
Program Element for Code B Items:							Other Related Program Elements																					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total																
QUANTITY	4,164		0	5,573	0																							
COST (In Millions)	\$23.8		\$0.1	\$1.3	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0																		
<p>Signal, Underwater Sound (SUS) devices are expendable, high energy acoustic sources. The MK84 SUS is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The MK84 SUS device is used for training and exercise signaling to submarines.</p> <p>Beginning in FY00 the SUS budget line will be combined under a new line - 405000 Miscellaneous Sonobuoys Less Than \$5M.</p> <p>RESERVE FUNDING INCLUDED IN TOTAL (\$000)</p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">FY 98</td> <td style="text-align: center;">FY99</td> <td style="text-align: center;">FY00</td> <td style="text-align: center;">FY01</td> <td style="text-align: center;">FY02</td> <td style="text-align: center;">FY03</td> <td style="text-align: center;">FY04</td> <td style="text-align: center;">FY05</td> </tr> <tr> <td style="text-align: center;">0</td> <td style="text-align: center;">194</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> </tr> </table>													FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05	0	194	0	0	0	0	0	0
FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05																					
0	194	0	0	0	0	0	0																					

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5			Weapon System SIGNAL UNDERWATER SOUND (SUS) MK 84									DATE: February 1999			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD PEO(A) PROGRAM NARM #404500 SUBHEAD U3QH											
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QH003	SUS MK 84	A	20,357				5,573	204.42	1,139						
QH830	PRODUCTION ENGINEERING		1,728			109			78						
QH860	ACCEPTANCE TESTING		1,732						80						
			23,817			109			1,297						

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System SUS MK 84		A. DATE February 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM 404500				SUBHEAD U3QH	
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
FY97 *										
QH003-SUS MK84	4164	\$198.20	NSWC CRANE	8/96	C/FFP	SPARTON, FL	3/97	10/97	YES	
FY99										
QH003 - SUS MK84	5573	\$204.42	NSWC CRANE	10/98	C/FFP	NOT SELECTED	1/99	1/00	YES	
D. REMARKS * In addition to the hardware costs, total costs include \$131k for other items separately priced such as production line verifications, some design and/or production readiness reviews, qualification costs and data packages. The P-5A exhibit depicts only hardware quantities and unit costs.										

APPROPRIATION/BUDGET ACTIVITY **OTHER PROCUREMENT, NAVY** Weapon System **SUS MK 84** P-1 ITEM NOMENCLATURE **PEO(A) PROGRAM NARM 404500**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes					Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT			
SUS MK 84	SPARTON	TBD	TBD	TBD		3	* 12		15	K	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						QH003-SUS MK84-NOT SELECTED(K)	97		4.2	0	4.2	1.4						2.8												
QH003-SUS MK84-NOT SELECTED(K)	99		5.6	0	5.6													A								5.6				

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
						QH003-SUS MK84-NOT SELECTED(K)	99		5.6	0	5.6				0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	

Remarks: * Manufacturers currently require a 12 month Production Lead Time (PLT). The contractually required lead time has been adjusted accordingly. This change has no net affect as it has been incorporated into all procurements beginning in FY-99 and beyond.

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY
OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE **Miscellaneous Sonobuoys Less Than \$5M**

PEO(A) PROGRAM NARM#405000

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY					8,832	12,442	6,484	13,331	13,037	12,709		
COST (In Millions)		A	\$0.0	\$0.0	\$2.2	\$3.2	\$1.8	\$5.2	\$4.6	\$4.3	CONTINUING	

Miscellaneous Sonobuoys Less than \$5M includes the AN/SSQ-36 sonobuoy, the Signal Underwater Sound (SUS) sonobuoy 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. 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 sonobuoy is a non-explosive, electro-acoustic device which is launched from aircraft and transmits acoustic tones after water entry. The SUS sonobuoy is used for training and exercise signaling to submarines. The Hydrostatic Sensor Fuze is a sensor adaptation that allows use of existing ordnance as shallow water anti-submarine weapons.

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

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98	FY99	FY00	FY01	FY02	FY03	FY04	FY05
0	0	52	261	34	264	270	276

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System Misc Sonobuoys Less Than \$5M				DATE: February 1999							
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 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QV001	HARDWARE AN/SSQ-36 SUS MK 84 Hydrostatic Fuse	A				0			0	8,832	220.72	1,949			
QV830	PRODUCTION ENGINEERING AN/SSQ-36 SUS MK 84 Hydrostatic Fuse					0			0			117			
QV860	ACCEPTANCE TESTING AN/SSQ-36 SUS MK84 Hydrostatic Fuze					0			0			127			
						0			0			2,193			

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System Misc Sonobuoys Less Than \$5M		A. DATE February 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy B.A. 3 - AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM #405000				SUBHEAD U3QV	
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
FY00 AN/SSQ-36 w/SLC	8,832	220.72	NSWC CRANE	10/99	C/FFP	NOT SELECTED	1/00	1/01	YES	
D. REMARKS										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21

DATE February 1999

APPROPRIATION/BUDGET ACTIVITY

Weapon System
MISC Less Than \$5M

P-1 ITEM NOMENCLATURE
PEO (A) PROGRAM NARM #405000

OTHER PROCUREMENT, NAVY, B.A. - 3

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes				Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
AN/SSQ-36B	HERMES, CANADA*	0.25	12	12						K
AN/SSQ-36B	SPARTON, FL	0.25	12	12		3	12		15	K
SUS MK-84	SPARTON, FL	TBD	TBD	TBD		3	12		15	K

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/SSQ-36 - NOT SELECTED (K)	00		8.8	0	8.8				A																					

Remarks:

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 1999																																																																
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						Weapon System MISC Less Than \$5M						P-1 ITEM NOMENCLATURE PEO(A) PROGRAM NARM: #405000																																																										
						Production Rate			Procurement Leadtimes																																																													
Item	Manufacturer's Name and Location					MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure																																																								
AN/SSQ-36B	HERMES, CANADA*					0.25	12	12						K																																																								
AN/SSQ-36B	SPARTON, FL					0.25	12	12		3	12	15	K																																																									
SUS MK-84	SPARTON, FL					TBD	TBD	TBD		3	12	15	K																																																									
ITEM / MANUFACTURER																																																																						
FISCAL YEAR 2002														FISCAL YEAR 2003																																																								
2001														CALENDAR YEAR 2002														CALENDAR YEAR 2003																																										
O C T O V E R														J A N F E B R A R Y M A Y J U N J U L A U G S E P														O C T O V E R J A N F E B R A R Y M A Y J U N J U L A U G S E P														B A L																												
AN/SSQ-36 - NOT SELECTED (K)														00														8.8 7.0 1.8														0.6 0.6 0.6																												0
ITEM / MANUFACTURER														FISCAL YEAR 2004														FISCAL YEAR 2005																																										
2003														CALENDAR YEAR 2004														CALENDAR YEAR 2005																																										
O C T O V E R														J A N F E B R A R Y M A Y J U N J U L A U G S E P														O C T O V E R J A N F E B R A R Y M A Y J U N J U L A U G S E P														B A L																												
Remarks:																																																																						

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE LI 420400					
Program Element for Code B Items:							WEAPONS RANGE SUPPORT EQUIPMENT					
							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$914.3		\$10.3	\$26.0	\$12.2	\$12.2	\$36.3	\$35.2	\$26.2	\$26.8	Cont.	Cont.
<p>This budget line item provides the resources to implement the Navy Fleet Training Range (FTR) Instrumentation Program Plan. These FTRs provide the primary means of fleet combat readiness training. The plan addresses the following major procurement areas: Electronic Warfare (EW) simulators, Weapons Impact Scoring Set (WISS) replacement, 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), Mobile Remote Emitter System (MRES), and generic systems such as range computer systems, underwater training range systems and range tracking, 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, EW emitters/jammers, 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, power equipment, sonobouy tracking systems, bottom mounted underwater hydrophone systems, phase shift keying processors, and other specialized equipment.</p> <p>Justification: Operational forces of the Navy's air, surface, and subsurface units are being equipped with the latest complex and sophisticated weapon systems to achieve and maintain high standards of fleet readiness. The FTRs must be furnished with training equipment capable of simulating, tracking, displaying, and debriefing the latest combat environments (e.g. electronic warfare). This equipment provides the Navy with the capability to: conduct safe fleet training exercises; achieve a high state of readiness; objectively evaluate training effectiveness as well as the strategy and tactics employed; evaluate the performance of equipment; and, measure reliability and accuracy of operational weapon systems.</p>												

P-1 SHOPPING LIST

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE LI 420400					
Program Element for Code B Items:							WEAPONS RANGE SUPPORT EQUIPMENT					
							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$914.3		\$10.3	\$26.0	\$12.2	\$12.2	\$36.3	\$35.2	\$26.2	\$26.8	Cont.	Cont.
<p>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. Generally, the receiving activity will accomplish installation of these minor equipments; whereas, the more complex equipments may require installation support from other agencies. Funding for installation of minor equipment is required in all years at all ranges.</p> <p>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 debrief. The original system was installed at Yuma, AZ and a follow-on system was installed at Oceana, VA. The Navy Decision Coordinating Paper (NDCP) 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 (ACMI), and more recently the Air Combat Training System (ACTS), 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.</p> <p>The FY 1999 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 can not be served with the state of the existing tower. An upgraded tower will be integrated into a previously established government datalink and will directly support the LWTC communications bandwidth requirements.</p>												

P-1 SHOPPING LIST

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE LI 420400					
Program Element for Code B Items:							WEAPONS RANGE SUPPORT EQUIPMENT					
							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$914.3		\$10.3	\$26.0	\$12.2	\$12.2	\$36.3	\$35.2	\$26.2	\$26.8	Cont.	Cont.
<p><u>SHALLOW WATER RANGE (SW RANGE):</u> Existing underwater ranges are situated in deep water and cannot provide training in Anti-Submarine (ASW) tactics employed in shallow coastal waters. A Mission Needs Statement (MNS) for Shallow Water training instrumentation has been endorsed by both Atlantic and Pacific fleets and signed by N8. Fixed instrumentation is required to preclude the recurring cost of periodic retrieval and maintenance of mobile systems. The Shallow Water Ranges will cover five hundred nautical miles and are located on the East and West Coast. Each range will be built in four phases and will be fully operational at the completion of each phase. All phases will be completed in FY2010.</p> <p><u>UNDERWATER ACOUSTIC TELEMETRY MODEM (UATM)</u> Shallow water ranges will have the capability to transmit acoustic telemetry data. Submarines will need to have UATMs on board to receive and process the data. UATMs are a necessary system component to allow for simulation/stimulation capability.</p> <p><u>LATR SYSTEM</u></p> <p><u>LATR UPGRADE AT SCORE</u> During the testing of the LATR system at SCORE, the Radio Frequency Interference (RFI) was so great that LATR was unable to establish and maintain the links required to transmit data. This made LATR inoperable at SCORE. FY-99 funding has been provided for a three phased approach which will convert the SCORE instrumentation to a new frequency which has been demonstrated to rectify the problem. Phase one changes the frequency of instrumentation currently being procured. Phase two would procure the additional instrumentation to permit SCORE to have an initial operational capability. Phase three would convert all the remaining instrumentation at SCORE to the new frequency.</p> <p><u>RANGELESS AIR COMBAT TRAINING SYSTEM</u> Congress wanted to ensure that combat training systems for tactical aircraft will be compatible with surface ship and submarine training range systems for joint service exercise or Navy battlegroup training. A Congressional increase of \$5.0 million has been provided to conduct a technical evaluation, using actual equipment, to compare the capabilities, performance, and costs of an integrated LATR/Kadena interim training system (KITS) system to JTCTS.</p>												

P-1 SHOPPING LIST

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$914.3		\$10.3	\$26.0	\$12.2	\$12.2	\$36.3	\$35.2	\$26.2	\$26.8	Cont.	Cont.
<p><u>JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)</u> 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 including the Tactical Aircrew Combat Training System, Mobile Sea Range, Large Area Tracking Range, and the capabilities developed for the Battle Force Tactical Trainer program. JTCTS incorporates the Defense Modeling and Simulation Office sponsored Distributed Interactive Simulation protocol data unit and the High Level Architecture for interoperability with Navy and other service live, virtual (simulators), and constructive (war games) simulations.</p> <p><u>LOW ALTITUDE SURVEILLANCE RADAR (LASR)</u> Due to the low elevation of the San Clemente radar on Mt. Thirst and the terrain between Mt. Thirst and the water, blind spots exist in the low level and surface radar coverage of the ASW and Range Electronic Warfare Simulator (REWS) range areas. It is in these low level blind areas that much of the work with helicopters and surface craft takes place. Air and surface safety surveillance data is required in the SOCAL operating area south and west of San Clemente Island from the radar horizon from Mt. Thirst and from the surface to 5,000 feet. FY2000 will fund the procurement of one (1) low level surveillance radar to cover existing blind spots at San Clemente.</p> <p><u>MOBILE REMOTE EMITTER SYSTEM (MRES)</u> The Mobile Remote Emitter System (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 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the Tactical Aircrew Combat Training System (TACTS) and/or video and Identification Friend or Foe (IFF) tracking modes for position pointing sources.</p> <p>The MRES system will be capable of generating threat scenarios to support non-instrumented test and training sites and also support Navy and Joint exercises. The MRES will be a ruggedized, highly reliable and maintainable system. It will consist of off-the-shelf components incorporating minor modifications as necessary to meet unique mission support areas. It will have a VHF/UHF communications system to provide voice and data exchange with the test platform or exercise coordinator and Range Control facility. The FY 98 funding will procure one MRES system. Funding provided in FY99 is for one MRES variant and integration into PMRF.</p>												

P-1 SHOPPING LIST

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$914.3		\$10.3	\$26.0	\$12.2	\$12.2	\$36.3	\$35.2	\$26.2	\$26.8	Cont.	Cont.
<p><u>ITCS UPGRADE</u> Integrated Target Control System (ITCS) Upgrade is a drone control system designed to perform command, control, tracking and telemetry functions of target vehicles. This system can control targets out to a range of 250 nautical miles (line-of-sight), at an altitude of 100,000 feet. Telemetry of the system provides tracking, control, position display and performance-monitoring of targets.</p> <p><u>PMRF UPGRADES</u> A Congressional increase of \$10.0 million has been provided in FY99 for training range instrumentation upgrades to the Pacific Missile Range Facility (PMRF).</p>												

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEM: P-40a						DATE: FEBRUARY 1999						
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment					P-1 ITEM NOMENCLATURE WEAPON RANGE SUPPORT EQUIPMENT							
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
TACTS												
TACTS CONTROL AND COMPUTATIONAL SUBSYSTEM												
QUANTITY		4										4
COST (In Thousands)		1,250										1,250
BODIE ISLAND UPGRADE/LWTC DATALINK												
QUANTITY				2	1							3
COST (In Thousands)				642	420							1,062
SW RANGE (LANT)												
QUANTITY		1-PHASE 1						1-PHASE 2		1-PHASE 3		CONT.
COST (In Thousands)		12,464						21,565		11,965	CONT	CONT
SW RANGE (PAC)												
QUANTITY						N/A	1-PHASE 1		1-PHASE 2			CONT.
COST (In Thousands)						600	22,623		11,752		CONT	CONT
UNDERWATER ACOUSTIC TELEMETRY MODEM												
QUANTITY						9						9
COST (In Thousands)						2,219						2,219
ITCS UPGRADE												
QUANTITY						1	1	1				3
COST (In Thousands)						328	328	328				984
TARGET CONTROL SYSTEM												
QUANTITY										1		1
COST (In Thousands)										800		800
LATR SYSTEM												
LATR UPGRADE SCORE												
QUANTITY				47								47
COST (In Thousands)				800								800
LATR ACM RETROFIT												
QUANTITY		1										1
COST (In Thousands)		4,226										4,226
LATR INTEGATION FACILITY												
QUANTITY						N/A						
COST (In Thousands)						200						200
RANGELESS AIR COMBAT TRNG SYSTEM												
QUANTITY				N/A								
COST (In Thousands)				5000								
LASR SCORE												
QUANTITY					1							1
COST (In Thousands)					1,493							1,493

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEM: P-40a						DATE: FEBRUARY 1999							
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment					P-1 ITEM NOMENCLATURE WEAPON RANGE SUPPORT EQUIPMENT								
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total	
TELEMETRY													
QUANTITY													
COST (In Thousands)		15,024										15,024	
COMM UPGRADE (TWENTY-NINE PALM)													
QUANTITY													
COST (In Thousands)		787										787	
SRAM													
QUANTITY													
COST (In Thousands)		45,973	2,033	3,176	2,851	4,379	5,949	5,614	4,331	4,324	CONT	CONT	
JTCTS													
QUANTITY							1	1	3	2			
COST (In Thousands)							4,400	2,900	3,906	2,898	CONT	CONT	
MRES													
QUANTITY			1	1								2	
COST (In Thousands)			4,705	3,000								7,705	
AEWTR													
QUANTITY						2						2	
COST (In Thousands)						800						800	
AFWTF REPLACEMENT RADAR													
QUANTITY								1					
COSTS (In Thousands)								2,000					
PMRF UPGRADES													
QUANTITY				N/A				1					
COSTS (In Thousands)				10,000				2,000					
OTHER COSTS		834,537	3,597	3,339	7,402	3,721	2,955	2,801	6,176	6,807	CONT	CONT	
TOTAL FUNDING		914,261	10,335	25,957	12,166	12,247	36,255	35,208	26,165	26,794	CONT	CONT	

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5							WEAPONS SYSTEM						DATE: FEBRUARY 1999				
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	FY 1998				FY 1999			FY 2000							
			Prior Years	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost					
			Total Cost														
SC002	AIRCREW EW TRAINING RANGES	N/A															
	MRES			1	4,705	4,705	1	3,000	3,000								
SC004	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)		45,973		N/A	2,033		N/A	3,176		N/A	2,851					
SC007	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)																
	TACTS Control & Computational Subsystem (CCS)		1,250														
	BODIE ISLAND UPGRADE/LWTC DATALINK						2	321	642	1	420	420					
SC012	SW RANGE																
	LANT - East Coast		12,464														
	PAC - West Coast																
SC018	COMM UPGRADE (TWENTYNINE PALMS)		787														

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5							WEAPONS SYSTEM						DATE: FEBRUARY 1999			
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment				43SC			ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD 43SC WEAPONS RANGE SUPPORT EQUIPMENT								
COST CODE	ELEMENT OF COST	ID Code														
			Prior Years	FY 1998			FY 1999			FY 2000						
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost				
SC021	LASR	N/A									1	1,493	1,493			
SC034	LATR SYSTEM LATR ACM RETROFIT		4,226													
	LATR UPGRADE SCORE	N/A				47	17	800								
	RANGELESS AIR COMBAT TRNG SYS					N/A	N/A	5,000								
SC601	TELEMETRY PMRF UPGRADES	N/A N/A	15,024						N/A	N/A			10,000			
SC831	PRODUCTION ENGINEERING, OTHER RANGES	N/A	73,740	N/A		2,456			N/A				2,675	N/A		1,654
SC860	ACCEPTANCE TEST & EVALUATION	N/A	6,704	N/A		205			N/A				92	N/A		99
SC971	ILS, OTHER RANGES	N/A	31,397	N/A		741			N/A				297			212
SC900	INSTALLATION OF EQUIP-NON FMP VARIOUS 1/	N/A	8,858 713,838	N/A		195			N/A				275			5,437
			914,261			10,335							25,957			12,166

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.

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE FEBRUARY 1999			
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 AIRCREW EW TRAINING RANGES											
MRES	1998	1	4,705	NAVAIR	8/98	FFP	TBD	2/99	11/00	YES	N/A
	1999	1	3,000	NAVAIR	N/A	FFP	TBD	6/99	01/01	YES	N/A
SC004 SYS REPL & MOD*											
	1998	N/A	2,033	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/98	YES	N/A
	1999	N/A	3,176	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/99	YES	N/A
	2000	N/A	2851	FED IND SUP CTR	VARIOUS	VARIOUS	VARIOUS	*	08/00	YES	N/A
SC007 TACTS											
TACTS CCS	1997	4	312.5	NAWCWD CHINA LAKE	N/A	PX	NAWCWD CHINA LAKE	01/97	10/99	YES	N/A
BODIE ISLAND UPG/LWTC DATALINK	1999	2	321	NAVAIR	01/99	FFP	TBD	06/99	11/00	YES	N/A
	2000	1	420	NAVAIR	N/A	FFP	TBD	11/99	06/01	YES	N/A
D. REMARKS											
* SRAM consists of approximately 70 projects each FY with award dates starting when funds are released and continuing until 30 APRIL of current FY.											

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A) AVIATION SUPPORT EQUIPMENT						Weapon System		A. DATE FEBRUARY 1999		
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE WEAPONS RANGE SUPPORT EQUIPMENT					SUBHEAD 43SC
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
<u>SC012 SW RANGE</u>										
EAST COAST	1997	1	12,464	NAVAIR	2/14/97	CPIFAF	SAIC/MARI PRO	09/97	09/00	YES N/A
<u>SC021 LASR</u>										
2000	1	1,493	SPAWAR SYS CEN SAN DIEGO, CA	N/A	PX	SPAWAR SYS CEN SAN DIEGO, CA	12/99	07/00	YES N/A	
<u>SC034 LATR SYSTEM</u>										
LATR ACM RETROFIT	1997	1	4,226	NAWCADPAX	10/97	FFP	SAIC	12/97	6/99	YES N/A
LATR UPGRADE SCORE	1999	47	17	NAVAIR	08/98	FFP	L3 COMMUNICATIONS	12/98	9/99	YES N/A
D. REMARKS										

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 1999																				
APPROPRIATION/BUDGET ACTIVITY					Weapon System			P-1 ITEM NOMENCLATURE																			
OTHER PROCUREMENT, NAVY/BA-3 Aviation Support Equipment					Production Rate			Weapons Range Support Equipment																			
					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														
MRES		TBD																									
BODIE ISLAND UPG/LWTC		TBD																									
LATR UPGRADE SCORE		L3 COMMUNICATIONS																									
TACTS CCS		NAWCWD CHINA LAKE																									
ITCS		NAWCWD CHINA LAKE																									
LASR		SPAWAR SYS CENTER																									
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998										B A L										
							1997			CALENDAR YEAR 1998					CALENDAR YEAR 1999												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y
MRES	98	N	1	0	1														A								1
MRES	99	N	1	0	1																				A		3
BODIE ISLAND UPG/LWTC	99	N	2	0	2																			A		2	
LATR UPGRADE SCORE	99	N	47	0	47													A								7	40
LATR ACM RETROFIT	97	N	1	0	1				A																1	0	
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000										B A L										
							1999			CALENDAR YEAR 2000					CALENDAR YEAR 2001												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L		A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y
MRES	98	N	1	0	1														1								0
MRES	99	N	1	0	1															1							0
TACTS CCS	97	N	4	0	4	4																					0
BODIE ISLAND UPG/LWTC	99	N	2	0	2															2							0
BODIE ISLAND UPG/LWTC	00	N	1	0	1			A																1		0	
LATR UPGRADE SCORE	99	N	40	7	40	10	10	10	10																		0
SW RANGE - LANT - EAST COAST	97	N	1	0	1																						0
LASR	00	N	1	0	1								1														0
Remarks:																											

DD Form 2445, JUL 87

CLASSIFICATION: UNCLASSIFIED
Exhibit P-21 Production Schedule

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC007 TACTS CCS			Admin Leadtime (after Oct1): 4 MONTHS			Prod Leadtime : 32 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary								
Unit Cost								
Total Cost								
Asset Dynamics								
Beginning Asset Position	0	0	0	4	4	4	4	4
Deliveries from all prior year funding			4					
Deliveries from FY 1999 funding								
Deliveries from FY 2000 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	0	0	4	4	4	4	4	4
Inventory Objective or Current Authorized Allowance	4	4	4	4	4	4	4	4
Inventory Objective 4	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC002 MRES			Admin Leadtime (after Oct1): 17 MONTHS			Prod Leadtime : 21 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	1	1						
Unit Cost	4705	3000						
Total Cost	4705	3000						
Asset Dynamics								
Beginning Asset Position					2	2	2	2
Deliveries from all prior year funding				1				
Deliveries from FY 1999 funding				1				
Deliveries from FY 2000 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	0	0	0	2	2	2	2	2
Inventory Objective or Current Authorized Allowance	2	2	2	2	2	2	2	2
Inventory Objective 2	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks: *Site configuration dependent								

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC007 BODIE ISLAND UPGRADE/LWTC			Admin Leadtime (after Oct1): 9 MONTHS			Prod Leadtime : 17 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		2	1					
Unit Cost		321	420					
Total Cost		642	420					
Asset Dynamics								
Beginning Asset Position			0	0	3	3	3	3
Deliveries from all prior year funding								
Deliveries from FY 1999 funding			0	2				
Deliveries from FY 2000 funding				1				
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		0	0	3	3	3	3	3
Inventory Objective or Current Authorized Allowance		3	3	3	3	3	3	3
Inventory Objective 3	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC034 LATR UPGRADE SCORE			Admin Leadtime (after Oct1): 1 MONTH			Prod Leadtime : 7 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		47						
Unit Cost		17						
Total Cost		800						
Asset Dynamics								
Beginning Asset Position			7	47	47	47	47	47
Deliveries from all prior year funding								
Deliveries from FY 1999 funding		7	40					
Deliveries from FY 2000 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		7	47	47	47	47	47	47
Inventory Objective or Current Authorized Allowance		47	47	47	47	47	47	47
Inventory Objective 47	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC012 SHALLOW WATER RANGE			Admin Leadtime (after Oct1): 11 MONTHS			Prod Leadtime : 36 MONTHS			
	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	EC/PHASE 1					1-WC PHASE ONE	1-EC PHASE TWO	1-WC PHASE TWO	1-EC PHASE THREE
Unit Cost	12464					22623	21565	11752	11965
Total Cost	12464					22623	21565	11752	11965
Asset Dynamics									
Beginning Asset Position					1	1	1	1	2
Deliveries from all prior year funding				1EC PHASE ONE	0	0	0		
Deliveries from FY 1999 funding									
Deliveries from FY 2000 funding									
Deliveries from subsequent years' funding					0			1WC PHASE ONE	1EC PHASE TWO
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	0	1-PHASE	1-PHASE	1-PHASE	1-PHASE	2-PHASES	3-PHASES
Inventory Objective or Current Authorized Allowance	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES
Inventory Objective 2*	Actual Training Expenditures 0	Other than Training Usage 0		Disposals (Vehicles/Other) N/A		Vehicles Eligible for FY 2000 Replacement: N/A		Aircraft: TOAI: N/A	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks: * Inventory Objective is 2 as follows: 1. East Coast (EC) 4 phases 2. West Coast (WC) 4 phases Total of 2 Ranges or 8 Phases									

CLASSIFICATION: UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3				DATE: FEBRUARY 1999	
P-1 ITEM NOMENCLATURE SC021 LASR		Admin Leadtime (after Oct1): 3 MONTHS			Prod Leadtime : 7 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			1					
Unit Cost			1493					
Total Cost			1493					
Asset Dynamics								
Beginning Asset Position			0					
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding			1	1	1	1	1	1
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			1	1	1	1	1	1
Inventory Objective or Current Authorized Allowance			1	1	1	1	1	1
Inventory Objective 1	Actual Training Expenditures 0	Other than Training Usage 0	Disposals (Vehicles/Other) N/A	Vehicles Eligible for FY 2000 Replacement: N/A	Aircraft: TOAI: N/A			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other:	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

**BUDGET ITEM JUSTIFICATION SHEET
P-40**

DATE:
FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment	P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS
--	---

Program Element for Code B Items: 0603512N	Other Related Program Elements
--	--------------------------------

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$128.5		\$6.6	\$2.5	\$0.1	\$3.4	\$7.7	\$7.8	\$8.0	\$8.2	Continuing	Continuing

EXPEDITIONARY AIRFIELDS (EAF)

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

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

A Total of twenty-eight (28) mobile arresting gear systems, 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 a operational requirement under the Maritime Corps Master Plan, the Enhanced Maritime Prepositioning Squadron (EMPS) requirement, and the EAF 2000 concept.

The FY 2000 budget request provides for PE and ILS for EAF procurement products.

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 Aviation Support Equipment							P-1 ITEM NOMENCLATURE EXPEDITIONARY AIRFIELDS					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Service Change Kits	A	\$17.8	\$6.6	\$2.5	\$0.0	\$3.3	\$1.9	\$1.0	\$1.1	\$1.0	Continuing	Continuing
F71/2 AM-2 Mat	A											
QUANTITY		3,163								80		
COST (In Millions)		(\$11.3)								(\$0.4)	Continuing	Continuing
F70 Tool Kit	A											
QUANTITY		25										25
COST (In Millions)		(\$2.5)										(\$2.5)
Flatrack	A											
QUANTITY		378		413								791
COST (In Millions)		(\$2.4)		(\$2.5)								(\$4.9)
M-21 Arresting Gear	B											
QUANTITY		9										9
COST (In Millions)		(\$1.5)										(\$1.5)
Revetment	B											
QUANTITY								935	1340	771		3046
COST (In Millions)		\$0.0						(\$0.7)	(\$1.1)	(\$0.6)		(\$2.4)
MOSLS	A											
QUANTITY			9			5	3	0				17
COST (In Millions)		\$0.0	(\$6.6)			(\$3.3)	(\$1.9)	(\$0.2)				(\$12.0)
M-31 Mobile Arresting Gear	B											
QUANTITY							5	7	7	7		26
COST (In Millions)		\$0.0					\$5.4	\$6.4	\$6.5	\$6.7		\$25.1
Various 1/	A	\$110.7	\$0.0	\$0.0	\$0.1	\$0.1	\$0.4	\$0.4	\$0.4	\$0.4	Continuing	Continuing
Total Funding		\$128.5	\$6.6	\$2.5	\$0.1	\$3.4	\$7.7	\$7.8	\$8.0	\$8.2	Continuing	Continuing

1/ The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1998 and beyond, PE, and ILS.

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: FEBRUARY 1999					
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 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SE010	Service Change Kits	A	17,782			6,602			2,476						
	F72 / 2 AM-2 Mat		(11,304)												
	F70 Tool Kit		(2,548)												
	Flatrack		(2,433)				413	6	(2,476)						
	M-21 Arresting Gear Revetment MOSLS *		(1,497)	9	701	(6,602)									
TBD	M-31 Mobile Arresting Gear	B													
SE800	Integrated Logistics Support		3,757			10			12					33	
SE830	Production Engineering		12,595			5			10					29	
SE860	Acceptance Test & Evaluation		586												
	Various (1)		93,779												
			(1) The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY1997 and beyond.												
			*Total cost includes expenditures for specialized tools and ancillary equipment.												
			128,499			6,617			2,498					62	

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				A. DATE	
Other Procurement, Navy					EXPEDITIONARY AIRFIELDS				FEBRUARY 1999	
BA3 - Aviation Support Equipment									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
Flatrack FY 1999	413	6	Blount Island Command	Feb-99	C/FFP	TBD	Mar-99	Jul-99	Yes	Jan-99
D. REMARKS										

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 1999

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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	279.1		9.9	12.9	12.5	12.6	12.8	13.0	13.3	13.6	Cont'd	Cont'd

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

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

Shipboard/Shorebased WSE is utilized by weapons departments to handle, transport, and maintain weapons. Examples of the equipment are the A/S32K-1D Weapons Loader, Linkless Ammunition Loading System (LALS II), A/E32K-3 RAMS, MHU-202M Munitions Trailer, and the LALS Replenisher.

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

The FY 2000 budget request provides for procurement of 56 LALS II units, 10 Cycling Adapter, 31 A/M32K-4A Munitions Trailers, 75 ADU-433/434 Height Adapters and associated production engineering and acceptance test support.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										February 1999		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment							A/C Rearing Equipment					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
1. LALS II	A	20,082	8,200	9,935	9,443	9,090						56,750
Qty		69	44	53	56	48						270
2. HLU-196D/E Bomb Hoist	A			215		1,027	1,329	1,176	2,504	1,207		7,458
Qty				3		102	130	117	228	120		700
3. MHU-202/M Mun Trlr	A	5,084					763					5,847
Qty		407					84					491
4. A/S32K-1D Wpns Loader	A	19,829					1,326	1,577				22,732
Qty		339					13	19				371
5. Cycling Adapter	A	583			150		164					897
Qty		39			10		11					60
6. A/M32K-4A Mun Trlr	A	17,250		442	473		2,295	2,370				22,830
Qty		1150		29	31		153	158				1521
7. ADU-699/E Sonobuoy Adpt	A					53		975	975			2,003
Qty						2		78	78			158
8. ADU-433/434 Adapter	A	831		225	225							1,281
Qty		277		75	75							427
9. ADU-514/A/E Missile Adptr	A						1,118	322				1,440
Qty							559	161				720
10. Next Generation Handler	A								852			852
Qty									3			3
11. HLU-191 Transport	A						1,560	3,481				5,041
Qty							312	688				1000
SUB TOTAL		63,659	8,200	10,817	10,291	10,170	8,555	9,901	4,331	1,207	0	127,131

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS										DATE:		
P-40a										February 1999		
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT, NAVY/ BA-3 - Aviation Support Equipment							A/C Rearing Equipment					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
12. A/M32U-13B Maint Trlr Qty	A						900 30					900 30
13. MHU-126A/M Trailer Qty	A							402 26	350 24			752 50
14. ADU-722/E Hoist Adptr Qty	A						252 420					252 420
15. AERO-91A Adapter Qty	A								120 300			120 300
16. LME Qty	A								1,800 120	1,565 104	535 36	3,900 260
17. A/F32K-1A Bomb Table Qty	A						520 26					520 26
18. MHU-151/M Trailer Qty	A								1,500 100	1,875 125		3,375 225
19. AERO-74A Adapter	A								2,474 330	6,225 830	898 120	9,597 1280
Various 1/		192,767										
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		256,426	8,200	10,817	10,291	10,170	10,227	10,303	10,575	10,872	Cont	Cont
'Other		22,712	1,742	2,041	2,165	2,447	2,607	2,718	2,771	2,749	Cont	Cont
TOTAL		279,138	9,942	12,858	12,456	12,617	12,834	13,021	13,346	13,621	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System			DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD						
OTHER PROCUREMENT, NAVY/BA-3 - Aviation Support Equipmen							A/C Rearming Equipment							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
			Prior Years	FY 1998			FY 1999			FY 2000				
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
SH004	Shipboard/Shorebased WSE													
	1. LALS II	A	20,082	44	186.36	8,200	53	187.45	9,935	56	168.63	9,443		
	2. HLU-196D/E Bomb Hoist	A					3	71.66	215					
	3. MHU-202/M Munitions Trailer	A	5,084											
	4. A/532K-1D Weapons Loader	A	19,829											
	5. Cycling Adapter	A	583							10	15.00	150		
	6. A/M32K-4A Munitions Trailer	A	17,250				29	15.24	442	31	15.26	473		
	7. ADU-699A/E Sonobuoy Adapter	A												
	8. ADU-433/434 Adapter	A	831				75	3.00	225	75	3.00	225		
	9. ADU-514A/E Missile Adapter	A												
SH830	10. Production Engineering		19,859			1,558			1,825			1,754		
SH860	11. Acceptance Test and Evaluation		2,853			184			216			411		
	Other*		192,767											
			279,138			9,942			12,858			12,456		

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE					SUBHEAD	
Other Procurement, Navy/BA-3 - Aviation Support Equipment					A/C Rearming Equipment					February 1999	
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 1998	44	186.36*	NAWC Pt. Mugu		FP/OPTION	WESTERN DESIGN	12/01/97	10/01/98	Yes		
FY 1999	53	187.45*	NAWC Lakehurst		C/FFP	TBD	01/01/99	01/01/00	Yes		
FY 2000	56	168.63	NAWC Lakehurst		FP/OPTION	TBD	03/01/00	01/01/01	Yes		
HLU-196D/E Bomb Hoist											
FY 1999	3	71.66	NAWC Lakehurst		C/FFP	TBD	03/01/99	03/01/00	Yes		
ADU-433/434 Adapter											
FY 1999	75	3.00	NAWC Lakehurst		FP/OPTION	NAWC Lakehurst	12/01/98	05/01/99	Yes		
FY 2000	75	3.00	NAWC Lakehurst		FP/OPTION	NAWC Lakehurst	12/01/99	05/01/00	Yes		
A/M-32K-4A Munitions Trailer											
FY 1999	29	15.24	NAWC Lakehurst		C/FFP	DYNCORP	12/30/98	08/30/99	Yes		
FY 2000	31	15.26	NAWC Lakehurst		FP/OPTION	DYNCORP	12/30/99	08/30/00	Yes		
Cycling Adapter											
FY 2000	10	15.00	NAWC Pt. Mugu		C/FFP	NAWC Pt Mugu	12/01/99	05/01/00	Yes		
ADU-699A/E Adapter											
D. REMARKS											
*FY98 unit cost for LALS II reflects procurement of 44 LALS II replenishers and ancillary equipment. FY99 unit cost reflects procurement of LALS II replenishers and first article test (FAT) costs.											

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 1999		
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 6 months				Production Leadtime: 10 months		
LALS II	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	44	53	56	48				
Unit Cost	186.36	187.45	168.63	189.38				
Total Cost	8,200	9,935	9,443	9,090				
Asset Dynamics								
Beginning Asset Position	34	69	113	151	203	254		
Deliveries from all prior year funding	35	44						
Deliveries from FY 1999 funding			38	15				
Deliveries from FY 2000 funding				37	19			
Deliveries from subsequent years' funding					32	16		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	69	113	151	203	254	270		
Inventory Objective or Current Authorized Allowance	270	270	270	270	270	270		
Inventory Objective 270	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 1999		
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 2 months				Production Leadtime: 12 months		
HLU-196D/E Bomb Hoist	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		3		102	130	117	228	120
Unit Cost		71.66		10.07	10.22	10.05	10.98	10.06
Total Cost		215		1,027	1,328	1,176	2,504	1,207
Asset Dynamics								
Beginning Asset Position				3	3	105	235	352
Deliveries from all prior year funding								
Deliveries from FY 1999 funding								
Deliveries from FY 2000 funding								
Deliveries from subsequent years' funding					102	130	117	228
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	105	235	352	580
Inventory Objective or Current Authorized Allowance		700	700	700	700	700	700	700
Inventory Objective 700	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 1999			
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 2 months				Production Leadtime: 6 months			
ADU-433/434		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			75	75					
Unit Cost			3.00	3.00					
Total Cost			225	225					
Asset Dynamics									
Beginning Asset Position		277	277	327	402				
Deliveries from all prior year funding									
Deliveries from FY 1999 funding			50	25					
Deliveries from FY 2000 funding				50	25				
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		277	327	402	427				
Inventory Objective or Current Authorized Allowance		427	427	427	427				
Inventory Objective 427	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:									

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 1999		
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 2 months				Production Leadtime: 9 months		
A/M32K-4A	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		29	31		153	158		
Unit Cost		15.24	15.26		15.00	15.00		
Total Cost		442	473		2,295	2,370		
Asset Dynamics								
Beginning Asset Position	1150	1150	1155	1184	1210	1222	1376	1521
Deliveries from all prior year funding								
Deliveries from FY 1999 funding		5	24					
Deliveries from FY 2000 funding			5	26				
Deliveries from subsequent years' funding					12	154	145	0
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	1150	1155	1184	1210	1222	1376	1521	1521
Inventory Objective or Current Authorized Allowance	1883	1883	1883	1883	1883	1883	1883	1883
Inventory Objective 1883	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY A/C Rearming Equipment				Date: February 1999			
P-1 ITEM NOMENCLATURE Other Procurement, Navy BA-3 Aviation SE		Admin Leadtime (after Oct 1): 2 months				Production Leadtime: 6 months			
Cycling Adapter		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				10		11			
Unit Cost				15.00		14.90			
Total Cost				150		164			
Asset Dynamics									
Beginning Asset Position				39	49	49			
Deliveries from all prior year funding									
Deliveries from FY 1999 funding									
Deliveries from FY 2000 funding				10					
Deliveries from subsequent years' funding						11			
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.									
End of Year Asset Position				49	49	60			
Inventory Objective or Current Authorized Allowance				60	60	60			
Inventory Objective 60	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:	PAA: 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	February 1999																								
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE																							
OTHER PROCUREMENT, NAVY BA-3 - Aviation Support Equipment								A/C Rearming Equipment																							
		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																	
LALS II	WDH Irvine Ca					2	1-8-5	8		6	10	10	16	MONTHS																	
ITEM / MANUFACTURER		F 9 5	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												B A L												
							CALENDAR YEAR 1998												CALENDAR YEAR 1999												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
LALS II		98	N	44	0	44			A										4	4	4	4	4	4	4	4	4	4	4	0	
		99	N	53	0	53															A								53		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												B A L												
							CALENDAR YEAR 2000												CALENDAR YEAR 2001												
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
LALS II		99	N	53	0	53				4	4	4	4	4	4	5	5	5	5	5	5									0	
	OPTION I	00	N	56	0	56																4	5	5	5	5	5	5	5	12	
Remarks:																															

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE February 1999																																	
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3 - Aviation Support Equipment						Weapon System					P-1 ITEM NOMENCLATURE A/C Rearming Equipment																												
		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																									
LALS II	WDH Irvine Ca					2	1-8-5	8		6	10	10	16	MONTHS																									
ITEM / MANUFACTURER	F95	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										
LALS II	00	N	56	44	12	4	4	4																													0		
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										
Remarks:																																							

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET
P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ
Program Element for Code B Items: 0603512N and 0604512N	Other Related Program Elements Not Applicable

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$445.5		\$32.0	\$35.4	\$48.7	\$43.9	\$41.0	\$45.1	\$45.5	\$46.2	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 1999 program consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (HLS) service change procurements. Also, included is funding for LRLS, Aviation Data Management and Control System / Integrated Shipboard Information System (ADMACS / ISIS), Improved Fresnel Lens Optical Landing System (IFLOLS), PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.

The FY 2000 budget request consists of Aircraft Carrier (Catapults, Arresting Gear, and Visual Landing Aids) and Air Capable Ships (HLS) service change procurements. Also, included is funding for ADMACS / ISIS, IFLOLS, MORIAH, PE, ILS, ATE, and FMP/NFMP installations for FY 1999 and prior years.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS							DATE: February 1999					
P-40a							P-1 ITEM NOMENCLATURE					
APPROPRIATION/BUDGET ACTIVITY							OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT					
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT							AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
SERVICE CHANGE KITS		128.1	12.0	2.1	9.7	10.8	17.3	18.9	21.7	22.5	CONTINUING	CONTINUING
LAUNCHER S/C KITS	A											
QUANTITY												
COST (In Millions)		(2.3)	(8.54)	(0.57)	(7.93)	(7.13)	(10.66)	(6.89)	(4.12)	(4.32)	CONTINUING	CONTINUING
VLA S/C KITS	A											
QUANTITY												
COST (In Millions)			(1.47)	(0.34)	(0.61)	(1.31)	(3.90)	(1.05)	(0.97)		CONTINUING	CONTINUING
RECOVERY S/C KITS	A											
QUANTITY												
COST (In Millions)		(1.7)	(1.99)	(1.17)	(1.16)	(2.39)	(2.75)	(11.01)	(16.64)	(18.18)	CONTINUING	CONTINUING
Various 1/	A											
QUANTITY												
COST (In Millions)		\$143.8										\$143.8
LRLS - CV(N)	B											
QUANTITY				5	6							11
COST (In Millions)				\$0.9	\$1.0							\$1.9
LRLS - Shore	B											
QUANTITY			4	5	1							10
COST (In Millions)			\$0.6	\$0.7	\$0.1							\$1.5
ADMACS-ISIS CV(N)	B											
QUANTITY				1	5	3						9
COST (In Millions)				\$1.5	\$7.7	\$4.7						\$13.9
ADMACS-ISIS LHA/D	B											
QUANTITY							3	3	3	3		12
COST (In Millions)							\$3.2	\$3.2	\$3.2	\$3.3		\$13.0
IFLOLS - CV(N)	B											
QUANTITY				5	4	1						10
COST (In Millions)				\$6.5	\$5.2	\$1.3						\$13.0
IFLOLS - Shore	B											
QUANTITY				3	7	10						20
COST (In Millions)				\$1.5	\$3.5	\$5.0						\$10.0

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
AS/32P-25 Fire Truck	A											
QUANTITY		50	14									64
COST (In Millions)		\$8.7	\$2.6									\$11.3
MORIAH	B											
QUANTITY					3	5	3	1			16	28
COST (In Millions)					\$0.7	\$1.1	\$0.7	\$0.2			\$2.0	\$4.7
MORIAH - Shore	B											
QUANTITY					2	1						3
COST (In Millions)					\$0.3	\$0.2						\$0.5
VISUAL	B											
QUANTITY								3	3	3	19	28
COST (In Millions)								\$4.5	\$4.5	\$4.5	\$19.5	\$33.0
ILS												
QUANTITY												
COST (In Millions)		\$30.2	\$1.7	\$2.3	\$2.3	\$1.7	\$1.9	\$2.0	\$0.9	\$0.6	CONTINUING	CONTINUING
PE												
QUANTITY												
COST (In Millions)		\$57.3	\$3.7	\$5.1	\$4.8	\$4.0	\$5.0	\$3.9	\$1.8	\$1.3	CONTINUING	CONTINUING
ATE												
QUANTITY												
COST (In Millions)		\$1.7	\$0.2	\$0.4	\$0.6	\$0.3	\$0.3	\$0.2	\$0.0	\$0.1	CONTINUING	CONTINUING
Installation - NFMP												
QUANTITY												
COST (In Millions)		\$70.6	\$9.9	\$6.6	\$7.5	\$7.4	\$7.1	\$8.3	\$8.4	\$8.6	CONTINUING	CONTINUING
Installation - FMP												
QUANTITY												
COST (In Millions)		\$5.2	\$1.4	\$7.8	\$5.3	\$7.4	\$8.8	\$3.7	\$4.9	\$5.4	CONTINUING	CONTINUING
Transfer to NAVSEA				\$0.1								
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.												
TOTAL		\$445.5	\$32.0	\$35.4	\$48.7	\$43.9	\$41.0	\$45.1	\$45.5	\$46.2	CONTINUING	CONTINUING

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System						DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY						ID Code		P-1 ITEM NOMENCLATURE/SUBHEAD								
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT						AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS													
			Prior Years		FY 1998			FY 1999			FY 2000					
			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	128,077			11,991			2,078			9,697				
	LAUNCHER															
	Catapults - CV(N)		(1,913)			(4,286)						(1,592)				
	Catapult Support Equipment - CV(N)		(400)			(4,254)			(569)			(6,334)				
	VISUAL LANDING AIDS															
	Visual Landing Aids - ACS					(73)			(35)			(609)				
	Visual Landing Aids - CV(N)					(1,393)			(300)							
	RECOVERY															
	Arresting Gear - CV(N)		(1,384)			(1,372)			(406)			(433)				
	Helicopter Landing System (HLS) - ACS		(280)			(613)			(768)			(729)				
N/A	Various 1/		143,786													
SJ210	LRLS - CV(N)	B						5	172	861	6	170	1,020			
SJ220	LRLS - Shorebased	B		4	153	612		5	147	736	1	145	145			
SJ230	ADMACS / ISIS - CV(N)	B						1	1,500	1,500	5	1,541	7,705			
SJ232	ADMACS / ISIS - LHA / LHD	B														
SJ240	IFLOLS - CV(N)	B						5	1,300	6,500	4	1,300	5,200			
SJ250	IFLOLS - Shorebased	B						3	500	1,500	7	500	3,500			
SJ260	P-25 FIRE TRUCK	A		14	185	2,590										
TBD	MORIAH	B									3	220	660			
TBD	MORIAH - Shorebased	B									2	170	340			
TBD	VISUAL	B														
SJ800	Integrated Logistics Support		30,168			1,656			2,259			2,273				
SJ830	Production Engineering		57,279			3,658			5,125			4,801				
SJ860	Acceptance, Test & Evaluation		1,729			226			414			574				
SJ900	Installation - NFMP		70,612			9,872			6,604			7,457				
SJ910	Installation - FMP		5,583			1,378			7,779			5,287				
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.																
			445,533			31,983			35,356			48,659				

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 1999		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)				SUBHEAD 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	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SJ210 LRLS - CV(N) FY 1999	5	172	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	04/99	02/00	Yes	N/A
SJ210 LRLS - CV(N) FY 2000	6	170	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	03/00	01/01	Yes	N/A
SJ220 LRLS - Shorebased FY 1998	4	153	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	12/98	09/99	Yes	N/A
SJ220 LRLS - Shorebased FY 1999	5	147	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	03/99	01/00	Yes	N/A
SJ220 LRLS - Shorebased FY 2000	1	145	NAWCAD LKE	Not Applicable	FFP/OPTION**	Raytheon E-Systems Goleta, CA	03/00	01/01	Yes	N/A
SJ230 ADMACS / ISIS FY 1999	1	1,500	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	03/99	05/00	Yes	N/A
SJ230 ADMACS / ISIS FY 2000	5	1,541	NAWCAD LKE	Not Applicable	Project Order	NAWCAD LKE*** Lakehurst, NJ	11/99	02/01	Yes	N/A
SJ240 IFLOLS - CV(N) FY 1999	5	1,300	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	03/99	09/00	Yes	Yes
SJ240 IFLOLS - CV(N) FY 2000	4	1,300	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	11/99	05/01	Yes	N/A
<p>D. REMARKS</p> <p style="margin-left: 40px;">** Options to current EMD contract *** NAWCAD LKE will act as the systems integrator.</p>										

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 1999		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE)				SUBHEAD 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	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
SJ250 IFLOLS - Shorebased FY 1999	3	500	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	03/99	09/00	Yes	N/A
SJ250 IFLOLS - Shorebased FY 2000	7	500	NAWCAD LKE	Not Applicable	Project Order	Raytheon Systems Company Indianapolis, IN	11/99	05/01	Yes	N/A
MORIAH FY 2000	3	220	NAWCAD LKE	Not Applicable	Project Order	TBD	02/00	02/01	Yes	N/A
MORIAH - Shorebased FY 2000	2	170	NAWCAD LKE	Not Applicable	Project Order	TBD	02/00	02/01	Yes	N/A
D. REMARKS										

CLASSIFICATION: **UNCLASSIFIED**

P3A	INDIVIDUAL MODIFICATION
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u>	TYPE MODIFICATION: <u>VARIOUS</u>
MODIFICATION TITLE: <u>LAUNCHER S/C - VARIOUS</u>	
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 MILESTO: NOT APPLICABLE

	<u>FY 1997 & Prior</u>		<u>FY 1998</u>		<u>FY 1999</u>		<u>FY 2000</u>		<u>FY 2001</u>		<u>FY 2002</u>		<u>FY 2003</u>		<u>FY 2004</u>		<u>FY 2005</u>		<u>TC</u>		<u>TOTAL</u>		
	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	<u>QTY</u>	<u>\$</u>	
FINANCIAL PLAN (IN MILLIONS)																							
<i>RD&E</i>																							
<i>PROCUREMENT</i>																							
INSTALLATION KITS (UNIT COST)																							0.052
INSTALLATION KITS		10.995		1.273		0.569		0.334		4.341		5.711		4.035		0.692		0.820		1.763	589	30.533	
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE		32.075		0.195		0.111		0.086		0.266		0.211		0.372		0.120		0.197					33.633
OTHER - ILS		10.704		0.123		0.116		0.331		0.091		0.093		0.228		0.045		0.056					11.787
OTHER - ATE		0.729		0.188		0.224				0.047		0.115											1.303
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST		38.214		8.002		0.891		0.860		1.600		1.195		1.388		1.207		1.155		1.790			56.302
TOTAL PROCUREMENT		92.717		9.781		1.911		1.611		6.345		7.325		6.023		2.064		2.228		3.553	*		133.558

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: LAUNCHER S/C - VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUS

ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 1999: VARIOUS FY 2000: VARIOUS

DELIVERY DATE: FY 1999: VARIOUS FY 2000: VARIOUS

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT		0.181		0.631		0.137		0.037		0.062		0.061		0.070		0.020		0.050					1.249
PRIOR YEARS		38.033		2.224		0.082																	40.339
FY 1997 EQUIPMENT				3.898		0.335		0.443		0.332		0.119											5.127
FY 1998 EQUIPMENT				1.249																			1.249
FY 1999 EQUIPMENT						0.337		0.100															0.437
FY 2000 EQUIPMENT							0.280				0.541												0.821
FY 2001 EQUIPMENT									1.206		0.454		0.344										2.004
FY 2002 EQUIPMENT										0.020		0.838		0.400		0.160							1.418
FY 2003 EQUIPMENT												0.136		0.787						1.000			1.923
FY 2004 EQUIPMENT																0.450							0.450
FY 2005 EQUIPMENT																		0.495					1.285
TO COMPLETE																		0.495		0.790			1.285
INSTALL COST		38.214		8.002		0.891		0.860		1.600		1.195		1.388		1.207		1.155		1.790	*		56.302

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior *	FY 1999				FY 2001			FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	1	2	3	4	1	2	3	4	1	2	3	4						
	*																									

* Various

146 146

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.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK7 JET BLAST DEFLECTOR TYPE MODIFICATION: SUPPORTABILITY / CONFIGURATION MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR

DESCRIPTION/JUSTIFICATION:

Launcher Service Change (SHIPALT 7172) to the MK7 Jet Blast Deflector (JBD) is an improved design that is supportable, reliable, and maintainable; is standard across the ship class; and is F/A-18 Hornet compatible.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1997		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RD&E</i>																									
<i>PROCUREMENT</i>																									
INSTALLATION KITS (UNIT COST)																									
INSTALLATION KITS	9	1.513																					9	1.513	
INSTALLATION KITS NONRECURRING																									
EQUIPMENT																									
EQUIPMENT NONRECURRING																									
ENGINEERING CHANGE ORDERS																									
DATA																									
TRAINING EQUIPMENT																									
SUPPORT EQUIPMENT																									
OTHER - PE		0.180																							0.180
OTHER - ILS		0.180																							0.180
OTHER - ATE																									
INTERIM CONTRACTOR SUPPORT																									
INSTALL COST - FMP		5.153	3	3.676	1	1.117	3	6.605															9	12.875	
TOTAL PROCUREMENT	9	7.026	3	3.676	1	1.117	3	6.605															9	14.748	

CLASSIFICATION: **UNCLASSIFIED**

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

MODELS OF SYSTEMS AFFECTED: MK7 JET BLAST DEFLECTOR OF MODIFICATION TITLE: LAUNCH - JET BLAST DEFLECTOR

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)

ADMINISTRATIVE LEADTIME: _____ PRODUCTION LEADTIME: _____ Months

CONTRACT DATES: FY 1999: _____ FY 2000: N/A

DELIVERY DATE: FY 1999: _____ FY 2000: N/A

(\$ in Millions)

Cost:	Prior Years				FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$		\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.123		0.045		0.047																0.215
PRIOR YEARS	5	5.030	1	1.072	3	6.558															9	12.660
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT																						
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - FMP	5	5.153	1	1.117	3	6.605															9	12.875

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				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						
	9																										9				
	6			1	2																						9				

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: CVN 68 CLASS CATAPULTS TYPE MODIFICATION: RELIABILITY / MAINTAINABILITY MODIFICATION TITLE: LAUNCH - TROUGH COVERS

DESCRIPTION/JUSTIFICATION:

This Launcher Service Change replaces the two piece steel trough covers used on CVNs 68 and 72 with a Corrosion Resistant Steel / Material one piece Inconel clad trough cover. This is a Type Commander funded installation.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		IC	TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RDT&E</i>																					
<i>PROCUREMENT</i>																					
INSTALLATION KITS (UNIT COST)		2.700		3.685				3.000													2.799
INSTALLATION KITS	13	35.100	1	3.685			2	6.000												16	44.785
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
OTHER - PE				0.049		0.025		0.012		0.002		0.002									0.090
OTHER - ILS				0.005		0.033															0.038
OTHER - ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - Non-FMP		16.250		0.118	1	1.172	2	2.589		0.034										16	20.163
TOTAL PROCUREMENT	13	51.350	1	3.857		1.230	2	8.601		0.036		0.002								16	65.076

CLASSIFICATION: **UNCLASSIFIED**

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CVN 68 CLASS CATAPULTS MODIFICATION TITLE: LAUNCH - TROUGH COVERS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD

ADMINISTRATIVE LEADTIME: 3 Months

PRODUCTION LEADTIME: 16 Months

CONTRACT DATES: FY 1999: N/A

FY 2000: N/A

DELIVERY DATE: FY 1999: N/A

FY 2000: N/A

(\$ in Millions)

Cost:	Prior Years				FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$		\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.015		0.022		0.034												0.071
PRIOR YEARS	13	16.250																				
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT				0.118	1	1.157																
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT							2	2.567														
FY 2001 EQUIPMENT																						
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP	13	16.250		0.118	1	1.172	2	2.589		0.034												*16 20.163

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In	14					2																					16				
Out	13			1			1	1																			16				

* Type Commander Funded installation.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A	INDIVIDUAL MODIFICATION
MODELS OF SYSTEM AFFECTED: <u>C13-2 CATAPULT</u>	TYPE MODIFICATION: <u>RELIABILITY / MAINTAINABILITY</u>
MODIFICATION TITLE: <u>LAUNCH- IMPROVED PISTON</u>	
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: NOT APPLICABLE

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RD&E</i>																							
<i>PROCUREMENT</i>																							
INSTALLATION KITS (UNIT COST)				0.398			0.398		0.398		0.398												0.398
INSTALLATION KITS			9	3.582			4	1.592	7	2.786	4	1.592										24	9.552
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE		0.065		0.086		0.065		0.064		0.069		0.010											0.359
OTHER - ILS		0.045		0.064		0.012		0.018															0.139
OTHER - ATE																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST - Non-FMP							7	*	6	*	7	*	4					*		*		24	*
TOTAL PROCUREMENT		0.110	9	3.732		0.077	4	1.674	7	2.855	4	1.602										24	10.050

* This is a Ship's Force item with no associated FMP or NFMP installation costs.

CLASSIFICATION: **UNCLASSIFIED**

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

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

INSTALLATION INFORMATION: ATTRITION
 METHOD OF IMPLEMENTATION: SHIP'S FORCE
 ADMINISTRATIVE LEADTIME: 3 Months PRODUCTION LEADTIME: 15 Months
 CONTRACT DATES: FY 1999: _____ FY 2000: Nov-99
 DELIVERY DATE: FY 1999: _____ FY 2000: Feb-01

(\$ in Millions)

Cost:	Prior Years				FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total		
	Qty	\$	\$		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT																							
PRIOR YEARS																							
FY 1997 EQUIPMENT																							
FY 1998 EQUIPMENT							7		2													9	
FY 1999 EQUIPMENT																							
FY 2000 EQUIPMENT									4													4	
FY 2001 EQUIPMENT											7											7	
FY 2002 EQUIPMENT													4									4	
FY 2003 EQUIPMENT																							
FY 2004 EQUIPMENT																							
FY 2005 EQUIPMENT																							
TO COMPLETE																							
INSTALL COST - Non-FMP							7		6		7		4									24	*

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				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	1	2	2	2	2	2	2	2	2	2	2														24
Out			1	1		1	2	2	2	2	1	2	1	2	2	2	1	2	2												24

* This is a Ship's Force item with no associated FMP or NFMP installation costs.

CLASSIFICATION: **UNCLASSIFIED**

INDIVIDUAL MODIFICATION																							
P3A																							
MODELS OF SYSTEM AFFECTED: <u>VARIOUS</u>				TYPE MODIFICATION: <u>VARIOUS</u>				MODIFICATION TITLE: <u>LANDING AIDS S/C - VARIOUS</u>															
DESCRIPTION/JUSTIFICATION:																							
Summary page of all Visual Landing Aids (VLA) Service Changes that do not exceed \$5 million in either budget year or \$10 million in all years.																							
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: <u>NOT APPLICABLE</u>																							
FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<u>RD&E</u>																							
<u>PROCUREMENT</u>																							
INSTALLATION KITS (UNIT COST)																							
INSTALLATION KITS		4.866		1.466		0.335		0.609		1.305		3.897		1.045		0.973					2.100		16.596
INSTALLATION KITS NONRECURRING EQUIPMENT																							
EQUIPMENT NONRECURRING				0.018																			0.018
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE		16.721		0.211		0.204		0.020		0.390		0.328		0.426		0.115		0.131					18.546
OTHER - ILS		5.524		0.121		0.040		0.315		0.127		0.155		0.414		0.090		0.055					6.841
OTHER - ATE		0.500								0.055		0.065		0.101									0.721
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST		6.800		0.516		1.414		1.260		1.670		0.878		2.965		0.608		0.642			2.465		19.218
TOTAL PROCUREMENT		34.411		2.332		1.993		2.204		3.547		5.323		4.951		1.786		0.828			4.565	*	61.940

* Various

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: LANDING AIDS S/C - VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUS

ADMINISTRATIVE LEADTIME: N/A PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 1999: VARIOUS FY 2000: VARIOUS

DELIVERY DATE: FY 1999: VARIOUS FY 2000: VARIOUS

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.577		0.132		0.201		0.108		0.150		0.080		0.080		0.030		0.040		0.010		1.408
PRIOR YEARS		6.223		0.384		0.075		0.105													187	6.787
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT						1.048		0.834		0.818												2.700
FY 1999 EQUIPMENT						0.090		0.090		0.180												0.360
FY 2000 EQUIPMENT								0.123		0.181												0.304
FY 2001 EQUIPMENT										0.341		0.490		0.366							0.271	1.468
FY 2002 EQUIPMENT											0.308		2.251					0.218		0.584		3.361
FY 2003 EQUIPMENT																	0.384		1.600			1.984
FY 2004 EQUIPMENT													0.268									0.268
FY 2005 EQUIPMENT														0.578								0.578
TO COMPLETE																						
INSTALL COST		6.800		0.516		1.414		1.260		1.670		0.878		2.965		0.608		0.642		2.465	*	19.218

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				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		#VALUE!
In	*																														#VALUE!
Out	*																														#VALUE!

* Various 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.

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**
 MODELS OF SYSTEM AFFECTED: VARIOUS TYPE MODIFICATION: VARIOUS MODIFICATION TITLE: RECOVERY S/C VARIOUS

DESCRIPTION/JUSTIFICATION:
 Summary page of all Recovery 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 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																							
<i>RDT&E</i>																							
<i>PROCUREMENT</i>																							
INSTALLATION KITS (UNIT COST)																							
INSTALLATION KITS		3.883		1.985		1.174		1.162		2.390		2.746		3.422		1.313		2.899		1.050		22.024	
INSTALLATION KITS NONRECURRING EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE		7.972		0.844		0.665		0.663		0.425		0.468		0.678		0.300		0.318		0.110		12.443	
OTHER - ILS		13.531		0.290		0.263		0.422		0.152		0.255		0.422		0.127		0.110		0.025		15.597	
OTHER - ATE		0.500		0.038		0.050				0.050		0.083		0.012				0.050		0.013		0.796	
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST		21.065		1.161		2.202		2.048		2.675		2.873		1.784		2.243		2.476		3.010		41.537	
TOTAL PROCUREMENT		46.951		4.318		4.354		4.295		5.692		6.425		6.318		3.983		5.853		4.208	**	92.397	

** Various

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 (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: VARIOUS MODIFICATION TITLE: RECOVERY S/C VARIOUS

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: VARIOUS

ADMINISTRATIVE LEADTIME: N/A

PRODUCTION LEADTIME: N/A

CONTRACT DATES: FY 1999: VARIOUS

FY 2000: VARIOUS

DELIVERY DATE: FY 1999: VARIOUS

FY 2000: VARIOUS

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT		0.203		0.159		0.570		0.241		0.316		0.262		0.251		0.180		0.110		0.070		2.362
PRIOR YEARS		20.862		0.410		0.320		0.013														21.605
FY 1997 EQUIPMENT				0.400				0.461														0.861
FY 1998 EQUIPMENT				0.192		1.312		0.327														1.831
FY 1999 EQUIPMENT								1.006		0.117												1.123
FY 2000 EQUIPMENT										1.040												1.040
FY 2001 EQUIPMENT										0.957		1.972		0.256								3.185
FY 2002 EQUIPMENT										0.245		0.639		0.375								1.259
FY 2003 EQUIPMENT														0.902		1.788		1.034		1.340		5.064
FY 2004 EQUIPMENT															0.275		1.332					1.607
FY 2005 EQUIPMENT																				1.600		1.600
TO COMPLETE																					1.600	1.600
INSTALL COST		21.065		1.161		2.202		2.048		2.675		2.873		1.784		2.243		2.476		3.010	**	41.537

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				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		

** Various 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.

P-3A

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 local area network (LAN) providing connectivity among all Air Operations and Aircraft Launch and Recovery Equipment (ALRE) work spaces aboard CV(N)s. Ship Alterations 8623 for CV's and 8624 for CVN's apply.																					
DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: NOT APPLICABLE																					
	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	TOTAL	
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN MILLIONS)																					
<i>RDT&E</i>		2.951		6.700		3.930														13.581	
<i>PROCUREMENT</i>																					
INSTALLATION KITS (UNIT COST)					1.500		1.541		1.568											1.546	
INSTALLATION KITS				1	1.500	5	7.705	3	4.705										9	13.910	
INSTALLATION KITS NONRECURRING																					
EQUIPMENT																					
EQUIPMENT NONRECURRING																					
ENGINEERING CHANGE ORDERS																					
DATA																					
TRAINING EQUIPMENT																					
SUPPORT EQUIPMENT																					
OTHER - PE					1.430		2.397		1.416		0.417		0.230							5.890	
OTHER - ILS				0.302	0.482		0.497		0.137		0.141		0.065							1.624	
OTHER - ATE																					
INTERIM CONTRACTOR SUPPORT																					
INSTALL COST - FMP					0.369	2	2.622	2	2.516	4	4.793	1	0.980						9	11.280	
TOTAL PROCUREMENT				0.302	1	3.781	5	13.221	3	8.774		5.351		1.275					9	32.704	

CLASSIFICATION: **UNCLASSIFIED**

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 / AIT

ADMINISTRATIVE LEADTIME: 1 PRODUCTION LEADTIME: 15 Months

CONTRACT DATES: FY 1999: Mar-99 FY 2000: Nov-99

DELIVERY DATE: FY 1999: May-00 FY 2000: Feb-01

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT																							
PRIOR YEARS																							
FY 1997 EQUIPMENT																							
FY 1998 EQUIPMENT																							
FY 1999 EQUIPMENT					*	0.185	*1	1.488														1	1.413
FY 2000 EQUIPMENT					*	0.184	*1	1.614	*2	2.190	2	1.969									5	5.737	
FY 2001 EQUIPMENT									*	0.326	2	2.824	1	0.980							3	4.130	
FY 2002 EQUIPMENT																							
FY 2003 EQUIPMENT																							
FY 2004 EQUIPMENT																							
FY 2005 EQUIPMENT																							
TO COMPLETE																							
INSTALL COST - FMP						0.369	2	2.622	2	2.516	4	4.793	1	0.980							9	11.280	

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL				
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
								1	1	1	1	1	1	1	1	1																			9
									2			1	1			1	2	1			1											9			

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

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

DESCRIPTION/JUSTIFICATION:

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 Alterations 8634 for CV's and 8635 for CVN's apply.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - OCTOBER 1998

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$		
<i>RDT&E</i>		7.980		1.310		0.400															9.690	
<i>PROCUREMENT</i>																						
INSTALLATION KITS (UNIT COST)						1.300		1.300		1.300											1.300	
INSTALLATION KITS					5	6.500	4	5.200	1	1.300											10	13.000
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE				1.156		0.890		0.423		0.520		0.401		0.136								3.526
OTHER - ILS		0.040		0.257		0.850		0.338		0.143		0.077		0.039								1.744
OTHER - ATE						0.035		0.037		0.005												0.077
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - FMP				0.111		0.353	1	1.162	5	3.222	4	2.361									10	7.209
TOTAL PROCUREMENT		0.040		1.524	5	8.628	4	7.160	1	5.190		2.839		0.175							10	25.556

CLASSIFICATION: **UNCLASSIFIED**

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

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

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: SHIPYARD - SHIP ALTERATION (SA)

ADMINISTRATIVE LEADTIME: 1 PRODUCTION LEADTIME: 18 Months

CONTRACT DATES: FY 1999: Mar 1999 FY 2000: Nov 1999

DELIVERY DATE: FY 1999: Sep 2000 FY 2000: May 2001

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total		
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	
INSTALLATION SUPPORT																							
PRIOR YEARS																							
FY 1997 EQUIPMENT																							
FY 1998 EQUIPMENT																							
FY 1999 EQUIPMENT				0.111	*	0.291	1	0.863	4	2.550												5	3.675
FY 2000 EQUIPMENT					*	0.162	*	0.237	1	0.731	3	1.701										4	2.731
FY 2001 EQUIPMENT							*	0.062	*	0.081	1	0.660										1	0.803
FY 2002 EQUIPMENT																							
FY 2003 EQUIPMENT																							
FY 2004 EQUIPMENT																							
FY 2005 EQUIPMENT																							
TO COMPLETE																							
INSTALL COST - FMP				0.111		0.353	1	1.162	5*	3.222	4	2.361										10	7.209

INSTALLATION SCHEDULE:

In Out	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
							1	2		2		2	2			1															10
								1		2	2		1	1	2		1														10

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

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: MK 14 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 glide scope display sensitivity with improved optics and stabilization.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: EDM MS III - OCTOBER 1998

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC	TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$		
<i>RDT&E</i>																						
<i>PROCUREMENT</i>																						
INSTALLATION KITS (UNIT COST)						0.500		0.500		0.500											0.500	
INSTALLATION KITS					3	1.500		7	3.500	10	5.000										20	10.000
INSTALLATION KITS NONRECURRING																						
EQUIPMENT																						
EQUIPMENT NONRECURRING																						
ENGINEERING CHANGE ORDERS																						
DATA																						
TRAINING EQUIPMENT																						
SUPPORT EQUIPMENT																						
OTHER - PE				0.205		0.685		0.423		0.420		0.330		0.088								2.151
OTHER - ILS		0.040		0.106		0.100		0.138		0.143		0.109		0.074								0.710
OTHER - ATE						0.035		0.037		0.040												0.112
INTERIM CONTRACTOR SUPPORT																						
INSTALL COST - Non-FMP						0.250	1	0.250	4	1.000	7	1.660	8	1.880							20	5.040
TOTAL PROCUREMENT		0.040		0.311	3	2.570	7	4.348	10	6.603		2.099		2.042							20	18.013

CLASSIFICATION: **UNCLASSIFIED**

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

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

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: ALTERNATE INSTALLATION TEAM (AIT)

ADMINISTRATIVE LEADTIME: 1 PRODUCTION LEADTIME: 18 Months

CONTRACT DATES: FY 1999: Mar-99 FY 2000: Nov-99

DELIVERY DATE: FY 1999: Sep-00 FY 2000: May-01

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.030		0.030		0.120		0.120		0.120								0.420
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT						0.220	1	0.220	2	0.440											3	0.880
FY 2000 EQUIPMENT									2	0.440	5	1.100									7	1.540
FY 2001 EQUIPMENT											2	0.440	8	1.760							10	2.200
FY 2002 EQUIPMENT																						
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP						0.250	1	0.250	4	1.000	7	1.660	8	1.880							20	5.040

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				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	1			2	2	2	2																20
Out								1				2	1	1																20	

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

P-3A

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

MODELS OF SYSTEM AFFECTED: NEW SYSTEM TYPE MODIFICATION: RECAPITALIZATION MODIFICATION TITLE: MORIAH

DESCRIPTION/JUSTIFICATION:

MORIAH integrates the measuring and display of Wind and Meterological information into one integrated system. 12 CV(N), 12 LHA-LHD, 2 LCC, and 2 AGF.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: MS I & II August 1998

FINANCIAL PLAN (IN MILLIONS)	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
<i>RDT&E</i>				0.555		0.715		0.320		0.130													1.720
<i>PROCUREMENT</i>																							
INSTALLATION KITS (UNIT COST)							0.220		0.223		0.227		0.243							0.125			0.168
INSTALLATION KITS						3	0.660	5	1.115	3	0.682	1	0.243					16	2.000		28	4.700	
INSTALLATION KITS NONRECURRING																							
EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
OTHER - PE							0.140		0.270		0.300		0.300		0.100								1.110
OTHER - ILS							0.070		0.285		0.300		0.300		0.200								1.155
OTHER - ATE							0.500		0.100														0.600
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST - FMP						0.179		0.385	3	1.265	5	1.523	3	1.250	1	0.290		0.050	16	2.208		28	7.150
TOTAL PROCUREMENT						0.179	3	1.755	5	3.035	3	2.805	1	2.093		0.590		0.050	16	4.208		28	14.715

CLASSIFICATION: UNCLASSIFIED

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

MODELS OF SYSTEMS AFFECTED: NEW SYSTEM MODIFICATION TITLE: MORIAH

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: AIT / VRT

ADMINISTRATIVE LEADTIME: 5 MONTHS

PRODUCTION LEADTIME: 12 MONTHS

CONTRACT DATES: FY 1999: N/A

FY 2000: Feb-00 FY 2001:

DELIVERY DATE: FY 1999: N/A

FY 2000: Feb-01 FY 2001:

(\$ in Millions)

Cost:	Prior Years		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT						0.050		0.050		0.050		0.050		0.050		0.050		0.050				0.350
PRIOR YEARS																						
FY 1997 EQUIPMENT																						
FY 1998 EQUIPMENT																						
FY 1999 EQUIPMENT																						
FY 2000 EQUIPMENT					*	0.129	*	0.146	3	0.851											3	1.126
FY 2001 EQUIPMENT							*	0.189	*	0.213	5	1.257									5	1.659
FY 2002 EQUIPMENT									*	0.151	*	0.162	3	0.720							3	1.033
FY 2003 EQUIPMENT										*	0.054	*	0.480	1	0.240						1	0.774
FY 2004 EQUIPMENT																						
FY 2005 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - FMP					*	0.179	*	0.385	3	1.265	* 5	1.523	* 3	1.250	1	0.290		0.050	16	2.208	28	7.150

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				TC	TOTAL
		1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4						
In									1	1	1		1	1	2	1	1	2	3	4								16	28		
Out									1	1	1		1	1	1	2					1							16	28		

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

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
			OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT				February 1999	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT (ALRE) - 43SJ			1 Month			11 Months		
SJ260 P-25 FIRE TRUCK	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		50	14					
Unit Cost		\$174.6	\$185.0					
Total Cost		\$8,729.0	\$2,590.0					
Asset Dynamics								
Beginning Asset Position				7	64	64	64	64
Deliveries from all prior year funding			7					
Deliveries from FY 1998 funding				57				
Deliveries from FY 1999 funding								
Deliveries from FY 2000 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			22	64	64	64	64	64
Inventory Objective or Current Authorized Allowance	64	64	64	64	64	64	64	64
Inventory Objective	64	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI		
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:		
Pipeline:	FY 1994:	FY 1994:	FY 1994:	FY 1994:		BAI		
Other:	FY 1993:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:		
TOTAL:						Storage:		
Remarks:								

FY 1998/99 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999																				
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE																				
OTHER PROCUREMENT, NAVY / BA 3 AVIATION SUPPORT EQUIPMENT								AIRCRAFT LAUNCH AND RECOVERY EQUIPMENT																				
		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														
AS/32P-25 Fire Truck	Entwhistle; Hudson, MA					1	5	5	8	6	13	13	19	Each														
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1997												B A L										
						1996						CALENDAR YEAR 1997							CALENDAR YEAR 1998									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L
AS/32P-25 Fire Truck	97		50	0	50																				3	4	43	
AS/32P-25 Fire Truck	98		14	0	14													A									14	
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												B A L										
						1998						CALENDAR YEAR 1999							CALENDAR YEAR 2000									
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L
AS/32P-25 Fire Truck	97		50	7	43	5	5	5	5	5	5	5	5	5	5	5	5										0	
AS/32P-25 Fire Truck	98		14	0	14									2	5	5	2										0	

Remarks:

BUDGET ITEM JUSTIFICATION SHEET										DATE February 1999		
APPROPRIATION/BUDGET ACTIVITY OP,N - BA3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE METEOROLOGICAL EQUIPMENT 4226			SUBHEAD 53SP		
	PY		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	TO COMP	TOTAL
QUANTITY												
COST (in millions)			\$17.2	\$28.4	\$31.5	\$31.8	\$31.9	\$32.3	\$33.6	\$34.3	Cont.	Cont.
<p>PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:</p> <p>This item provides new and replacement meteorological equipment for all Naval/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:</p> <p>The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFA) and the GEOSAT Follow-On (GFO). The upgrade will allow the system to receive and preprocess additional environmental satellites, comply with open systems architecture standards and provide for antenna replacement.</p> <p>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) and the five regional centers at Guam, Pearl Harbor, Norfolk, Suitland and Rota Spain, and afloat and ashore sites.</p> <p>Moriah consists of environmental sensors, an automated data acquisition and processing system, multiple system interfaces, and displays. The Moriah 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.</p> <p>Fleet Marine Force Meteorological Equipment - Meteorological Equipment required to upgrade and replace the existing 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.</p> <p>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.</p> <p>METOC Air, Surface, Undersea Reconnaissance Equipment (MEASURE) is comprised of a diverse suite of off-board sensors and associated processing systems. MEASURE is used to obtain critical METOC data in denied or remote areas. The MEASURE project will provide ship/aircraft deployed drifting buoys and aircraft deployed hinterland clandestine micro sensors.</p> <p>Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed, multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, 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.</p> <p>Installation of Equipment - Installation efforts include plans, site surveys, BESEPS, equipment installation and checkout.</p>												

UNCLASSIFIED
CLASSIFICATION

COST ANALYSIS														DATE: February 1999		
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	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS													
						FY 1998			FY 1999			FY 2000				
			QTY	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SP051	AN/SMQ-11 UPGRADES - SPACE	A						VAR		939	VAR		2,600	VAR		2,434
SP190	TESS UPGRADES	A						VAR		7,420	VAR		10,321	VAR		11,099
SP200	MORIAH	A									VAR		225	VAR		3,595
SP300	MET EQUIPMENT	N/A						VAR		5,283	VAR		6,900	VAR		5,745
SP500	SUPPLEMENTAL WEATHER RADAR	N/A									5	775	3,875	1	794	794
SP525	MEASURE	N/A											240	VAR		950
SP550	AVIATION SAFETY SYS UPGRADES	N/A											1,028	VAR		1,097
SP776	INSTALL SHORE	N/A						VAR		1,167	VAR		1,535	VAR		1,230
SP777	INSTALL SHIP	N/A						VAR		2,341	VAR		1,651	VAR		4,560
	INSTALL DSA									2,221			1,551			4,435
										120			100			125
	TOTAL PROGRAM									17,150			28,375			31,504

PROCUREMENT HISTORY AND PLANNING											A. DATE	
											February 1999	
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE					SUBHEAD	
OP,N - BA3 AVIATION SUPPORT EQUIPMENT						METEOROLOGICAL EQUIPMENT 4226					53SP	
COST CODE	ELEMENT OF COST	FY	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	LOCATION OF PCO	RFP ISSUE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE
SP500	SUPPLEMENTAL WEATHER RADAR	99 00	ENTERPRISE ELEC., AL ENTERPRISE ELEC., AL	C/FFP/OP C/FFP/OP	SSC, Charleston SSC, Charleston	Jun-96	Nov-98	Mar-99	5	775,000	Yes	N/A
						Jul-96	Nov-99	Mar-00	1	794,000	Yes	N/A
D. REMARKS												

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHIP)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade 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)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	1.6		VAR	1.5		VAR	1.5		VAR	1.7		VAR	1.8		VAR	1.8		VAR	1.9		CONT		VAR	11.8
Equipment Nonrecurring																																
Engineering Change Orders																																
Data																																
Training Equipment																																
Support Equipment																																
Other																																
Interim Contractor Support																																
Installation of Hardware*																																
PRIOR YR EQUIP	0	0.0	0	0.0	0	0.0	28	0.7	28	0.9	28	0.9	28	0.8	28	0.8	28	0.8	28	0.8	28	0.9	0	0.0	196	5.8	0	0.0	0	0.0	0	0.0
FY 97 EQUIP																																
FY 98 EQUIP																																
FY 99 EQUIP							28	0.7																								
FY 00 EQUIP									28	0.9																						
FY 01 EQUIP											28	0.9																				
FY 02 EQUIP													28	0.8																		
FY 03 EQUIP															28	0.8																
FY 04 EQUIP																	28	0.8														
FY 05 EQUIP																			28	0.9												
FY TC EQUIP																																
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.7		0.9		0.9		0.8		0.8		0.8		0.9		0.9		0.0		5.8		0.0		0.0		0.0
TOTAL PROCUREMENT COST		0.0		0.0		0.0		2.3		2.4		2.4		2.5		2.6		2.6		2.8		2.8		0.0		17.6		0.0		0.0		0.0

ADMINISTRATIVE LEADTIME: 2 MONTHS PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES: FY 1998: FY 1999: VAR FY 2000: VAR

DELIVERY DATES: FY 1998: FY 1999: VAR FY 2000: VAR

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01				FY 02				FY 03				FY 04				FY 05				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						
INPUT		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
OUTPUT		7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		

* Quantities reflect platforms.

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP051 - AN/SMQ-11 UPGRADES - SPACE (SHORE)

The AN/SMQ-11 is an environmental satellite receiver/recorder that is used to receive remotely sensed data from the Defense Meteorological Satellite Program (DMSP) satellites, the National Oceanic and Atmospheric Administration (NOAA), National Polar Orbiting Environmental Satellite System (NPOESS), the Geostationary Orbiting Environmental Satellites (GOES), Low Resolution Weather Facsimile (WEFAX) and the GEOSAT Follow-On (GFO). The upgrade 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)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	0.9	VAR	1.0	VAR	1.0	VAR	1.0	VAR	1.1	VAR	1.2	VAR	1.2	VAR	1.2	VAR	1.2	CONT	VAR	8.6	
Equipment Nonrecurring																										
Engineering Change Orders																										
Data																										
Training Equipment																										
Support Equipment																										
Other																										
Interim Contractor Support																										
Installation of Hardware*	0	0.0	0	0.0	26	0.6	25	0.1	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	0	0.0	201	4.3
PRIOR YR EQUIP																									0	0.0
FY 97 EQUIP																									0	0.0
FY 98 EQUIP					26	0.6																			26	0.6
FY 99 EQUIP							25	0.1																	25	0.1
FY 00 EQUIP									25	0.6															25	0.6
FY 01 EQUIP											25	0.6													25	0.6
FY 02 EQUIP													25	0.6											25	0.6
FY 03 EQUIP															25	0.6									25	0.6
FY 04 EQUIP																	25	0.6							25	0.6
FY 05 EQUIP																			25	0.6					25	0.6
FY TC EQUIP																									0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.6		0.1		0.6		0.6		0.6		0.6		0.6		0.6		0.6		0.0		4.3
TOTAL PROCUREMENT COST		0.0		0.0		1.5		1.1		1.6		1.6		1.7		1.8		1.8		1.8		1.8		0.0		12.9

ADMINISTRATIVE LEADTIME: 2 MONTHS PROCUREMENT LEADTIME: 3 MONTHS

CONTRACT DATES:

FY 1998: VAR FY 1999: VAR FY 2000: VAR

DELIVERY DATES:

FY 1998: VAR FY 1999: VAR FY 2000: VAR

INSTALLATION SCHEDULE:

PY	FY 99				FY 00				FY 01				
	1	2	3	4	1	2	3	4	1	2	3	4	
INPUT	26	6	6	6	7	6	6	6	7	6	6	6	7
OUTPUT	26	6	6	6	7	6	6	6	7	6	6	6	7

INSTALLATION SCHEDULE:

	FY 02				FY 03				FY 04				FY 05				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7		
OUTPUT	6	6	6	7	6	6	6	7	6	6	6	7	6	6	6	7		

* Quantities reflect shore sites.

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

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

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	3.8	VAR	3.6	VAR	4.4	VAR	4.1	VAR	4.4	VAR	4.5	VAR	4.4	VAR	6.9	VAR	4.8	VAR	4.8	CONT		VAR	45.7
Equipment Nonrecurring																								
Engineering Change Orders																								
Data																								
Training Equipment																								
Support Equipment																								
Other																								
Interim Contractor Support																								
Installation of Hardware*	27	1.0	27	1.3	28	2.3	28	1.0	28	3.7	28	2.1	28	2.3	28	2.3	28	2.3	28	2.3	0	0.0	278	20.6
PRIOR YR EQUIP	27	1.0																					27	1.0
FY 97 EQUIP			27	1.3																			27	1.3
FY 98 EQUIP					28	2.3																	28	2.3
FY 99 EQUIP							28	1.0															28	1.0
FY 00 EQUIP									28	3.7													28	3.7
FY 01 EQUIP											28	2.1											28	2.1
FY 02 EQUIP													28	2.3									28	2.3
FY 03 EQUIP															28	2.3							28	2.3
FY 04 EQUIP																	28	2.3					28	2.3
FY 05 EQUIP																			28	2.3			28	2.3
FY TC EQUIP																							0	0.0
TOTAL INSTALLATION COST		1.0		1.3		2.3		1.0		3.7		2.1		2.3		2.3		2.3		2.3		0.0		
TOTAL PROCUREMENT COST		4.8		4.9		6.7		5.1		8.1		6.6		6.7		9.2		7.1		7.2		0.0		
METHOD OF IMPLEMENTATION:																								

ADMINISTRATIVE LEADTIME: 2 MONTHS PROCUREMENT LEADTIME: 4 MONTHS

CONTRACT DATES: FY 1998: VAR FY 1999: VAR FY 2000: VAR

DELIVERY DATES: FY 1998: VAR FY 1999: VAR FY 2000: VAR

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01				FY 02				FY 03				FY 04				FY 05				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		
INPUT	82	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		
OUTPUT	82	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7		

* Quantities reflect platforms.

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

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

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	4.5	VAR	3.6	VAR	3.0	VAR	6.2	VAR	6.7	VAR	6.8	VAR	6.6	VAR	6.9	VAR	7.1	VAR	7.3	CONT		VAR	58.7	
Equipment Nonrecurring																									
Engineering Change Orders																									
Data																									
Training Equipment																									
Support Equipment																									
Other																									
Interim Contractor Support																									
Installation of Hardware*	49	1.3	49	1.4	49	0.6	77	0.9	77	0.5	77	0.5	77	0.5	77	0.7	77	0.7	77	0.7	0	0.0	686	7.8	
PRIOR YR EQUIP	49	1.3																						49	1.3
FY 97 EQUIP			49	1.4																				49	1.4
FY 98 EQUIP					49	0.6																		49	0.6
FY 99 EQUIP							77	0.9																77	0.9
FY 00 EQUIP									77	0.5														77	0.5
FY 01 EQUIP											77	0.5												77	0.5
FY 02 EQUIP													77	0.5										77	0.5
FY 03 EQUIP															77	0.7								77	0.7
FY 04 EQUIP																	77	0.7						77	0.7
FY 05 EQUIP																			77	0.7				77	0.7
FY TC EQUIP																								0	0.0
TOTAL INSTALLATION COST		1.3		1.4		0.6		0.9		0.5		0.5		0.5		0.7		0.7		0.7		0.0		7.8	
TOTAL PROCUREMENT COST		5.8		5.0		3.6		7.1		7.2		7.3		7.1		7.6		7.8		8.0		0.0		66.5	

ADMINISTRATIVE LEADTIME: 2 MONTHS PROCUREMENT LEADTIME: 4 MONTHS

CONTRACT DATES: FY 1998: VAR FY 1999: VAR FY 2000: VAR

DELIVERY DATES: FY 1998: VAR FY 1999: VAR FY 2000: VAR

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01				FY 02				FY 03				FY 04				FY 05				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						
INPUT	49	19	19	19	20	19	19	19	20	19	19	19	20																		
OUTPUT	49	19	19	19	20	19	19	19	20	19	19	19	20																		

* Quantities reflect shore sites.
 Beginning in FY99, the TESS Upgrade architecture supports an increased number of shore sites in order to accommodate non-Oceanographers who previously did not have direct access to METOC data to support their tactical operations.

MODIFICATION TITLE: SP200 - MORIAH (SHIP)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION: MORIAH CONSISTS OF ENVIRONMENTAL SENSORS, AN AUTOMATED DATA ACQUISITION PROCESSING SYSTEM, MULTIPLE SYSTEM INTERFACES, AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR ALL IDENTIFIED SHIP CLASSES AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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 Nonrecurring								VAR	0.2	VAR	3.4	VAR	4.7	VAR	4.8	VAR	5.0	VAR	5.4			CONT		VAR	23.5
Engineering Change Orders																									
Data																									
Training Equipment																									
Support Equipment																									
Other																									
Interim Contractor Support																									
Installation of Hardware*																									
PRIOR YR EQUIP	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	53	1.9	60	2.0	69	1.8	50	2.1	0	0.0	0	0.0	232	7.6	
FY 97 EQUIP																							0	0.0	
FY 98 EQUIP																							0	0.0	
FY 99 EQUIP																							0	0.0	
FY 00 EQUIP																							0	0.0	
FY 01 EQUIP										53	1.9												53	1.9	
FY 02 EQUIP												60	2.0										60	2.0	
FY 03 EQUIP														69	1.8								69	1.8	
FY 04 EQUIP																50	2.1						50	2.1	
FY 05 EQUIP																							0	0.0	
FY TC EQUIP																							0	0.0	
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		1.9		2.0		1.8		2.1		0.0		0.0		7.6	
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.2		3.4		6.5		6.7		6.8		7.4		0.0		0.0		31.1	

ADMINISTRATIVE LEADTIME: 2 months

PROCUREMENT LEADTIME: 6 months

CONTRACT DATES: FY 1998: FY 1999: Mar-99 FY 2000: Mar-00

DELIVERY DATES: FY 1998: FY 1999: Sep-99 FY 2000: Sep-00

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01				FY 02				FY 03				FY 04				FY 05				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						
INPUT										13	13	13	14																		
OUTPUT										13	13	13	14																		
INPUT		15	15	15	15	17	17	17	18	12	13	13	12														232				
OUTPUT		15	15	15	15	17	17	17	18	12	13	13	12														232				

MODIFICATION TITLE: SP200 - MORIAH (SHORE)

MODELS OF SYSTEMS AFFECTED:

DESCRIPTION/JUSTIFICATION:

MORIAH CONSISTS OF ENVIRONMENTAL SENSORS, AN AUTOMATED DATA ACQUISITION PROCESSING SYSTEM, MULTIPLE SYSTEM INTERFACES, AND DISPLAYS. THE MORIAH SYSTEM WILL PROVIDE A TAILORABLE METOC SENSOR SUITE FOR SELECTED AIR STATIONS AND WILL PROVIDE FOR ALL METOC OBSERVATIONS.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	0.2	VAR	0.2	VAR	0.3	VAR	0.3	VAR	0.3	VAR	0.3	VAR	0.3	CONT		VAR	1.6
Equipment Nonrecurring																										
Engineering Change Orders																										
Data																										
Training Equipment																										
Support Equipment																										
Other																										
Interim Contractor Support																										
Installation of Hardware*	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	4	0.2	7	0.2	8	0.3	8	0.2	8	0.2	8	0.2	0	0.0	35	1.1
PRIOR YR EQUIP																										
FY 97 EQUIP																									0	0.0
FY 98 EQUIP																									0	0.0
FY 99 EQUIP																									0	0.0
FY 00 EQUIP																									0	0.0
FY 01 EQUIP										4	0.2														4	0.2
FY 02 EQUIP												7	0.2												7	0.2
FY 03 EQUIP														8	0.3										8	0.3
FY 04 EQUIP																8	0.2								8	0.2
FY 05 EQUIP																		8	0.2						8	0.2
FY TC EQUIP																									0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.0		0.0		0.2		0.2		0.3		0.2		0.2		0.2		0.0		1.1
TOTAL PROCUREMENT COST		0.0		0.0		0.0		0.0		0.2		0.4		0.5		0.6		0.5		0.5		0.5		0.0		2.7

ADMINISTRATIVE LEADTIME: 2 months PROCUREMENT LEADTIME: 6 months

CONTRACT DATES: FY 1998: FY 1999: Mar-99 FY 2000: Mar-00

DELIVERY DATES: FY 1998: FY 1999: Sep-99 FY 2000: Sep-00

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01				FY 02				FY 03				FY 04				FY 05				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		
INPUT										1	1	1	1																		
OUTPUT										1	1	1	1																		
INSTALLATION SCHEDULE:																															
INPUT		2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		
OUTPUT		2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP500 - SUPPLEMENTAL WEATHER RADAR (SWR) (SHORE)

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.

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

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	1.0	3	2.3			5	3.8	1	0.8													10	7.9	
Equipment Nonrecurring																									
Engineering Change Orders																									
Data																									
Training Equipment																									
Support Equipment																									
Other																									
Interim Contractor Support																									
Installation of Hardware*	0	0.0	0	0.0	4	0.1	5	0.3	1	0.1	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	0	0.0	10	0.5	
PRIOR YR EQUIP					1	0.03																	1	0.0	
FY 97 EQUIP					3	0.07																	3	0.1	
FY 98 EQUIP																							0	0.0	
FY 99 EQUIP							5	0.3															5	0.3	
FY 00 EQUIP									1	0.1													1	0.1	
FY 01 EQUIP																							0	0.0	
FY 02 EQUIP																							0	0.0	
FY 03 EQUIP																							0	0.0	
FY 04 EQUIP																							0	0.0	
FY 05 EQUIP																							0	0.0	
FY TC EQUIP																							0	0.0	
TOTAL INSTALLATION COST		0.0		0.0		0.1		0.3		0.1		0.0		0.0		0.0		0.0		0.0		0.0		0.5	
TOTAL PROCUREMENT COST		1.0		2.3		0.1		4.1		0.9		0.0		0.0		0.0		0.0		0.0		0.0		8.4	

ADMINISTRATIVE LEADTIME: 2 MONTHS * PROCUREMENT LEADTIME: 4 MONTHS *

CONTRACT DATES: FY 1998: FY 1999: Nov-98 FY 2000: Nov-99

DELIVERY DATES: FY 1998: FY 1999: Mar-99 FY 2000: Mar-00

INSTALLATION SCHEDULE:	PY	FY 99				FY 00				FY 01			
		1	2	3	4	1	2	3	4	1	2	3	4
INPUT	4			3	2				1				
OUTPUT	2	2			3		2			1			

INSTALLATION SCHEDULE:	FY 02				FY 03				FY 02				FY 03				TC	TOTAL
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
INPUT																		10
OUTPUT																		10

* Contract award and delivery dates for FY96 and FY97 procurements were delayed due to contract protest. FY99 award is an option on the existing contract.

MODIFICATION TITLE:
 MODELS OF SYSTEMS AFFECTED:
 DESCRIPTION/JUSTIFICATION:

SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)

Aviation Safety System Upgrades are GOTS/COTS hardware and associated software upgrades to installed multi-agency procured safety of flight equipment, such as NEXRAD and ASOS, installed at 50 Navy and Marine Corps Air facilities worldwide.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

FINANCIAL PLAN: (\$ in millions)

	PY		FY 97		FY 98		FY 99		FY 00		FY 01		FY 02		FY 03		FY 04		FY 05		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	1.0	VAR	1.1	VAR	1.1	VAR	1.4	VAR	1.4	VAR	1.5	VAR	1.5	CONT		VAR	9.0	
Equipment Nonrecurring																										
Engineering Change Orders																										
Data																										
Training Equipment																										
Support Equipment																										
Other																										
Interim Contractor Support																										
Installation of Hardware*	0	0.0	0	0.0	0	0.0	50	0.2	50	0.0	50	0.1	50	0.2	50	0.2	50	0.2	50	0.2	50	0.2	0	0.0	350	1.1
PRIOR YR EQUIP																									0	0.0
FY 97 EQUIP																									0	0.0
FY 98 EQUIP																									0	0.0
FY 99 EQUIP							50	0.2																	50	0.2
FY 00 EQUIP									50	0.0															50	0.0
FY 01 EQUIP											50	0.1													50	0.1
FY 02 EQUIP													50	0.2											50	0.2
FY 03 EQUIP															50	0.2									50	0.2
FY 04 EQUIP																	50	0.2							50	0.2
FY 05 EQUIP																			50	0.2					50	0.2
FY TC EQUIP																									0	0.0
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.2		0.0		0.1		0.2		0.2		0.2		0.2		0.2		0.0		1.1
TOTAL PROCUREMENT COST		0.0		0.0		0.0		1.2		1.1		1.2		1.6		1.6		1.7		1.7		1.7		0.0		10.1

METHOD OF IMPLEMENTATION:

ADMINISTRATIVE LEADTIME: VAR

PROCUREMENT LEADTIME: VAR

CONTRACT DATES:

FY 1998:

FY 1999:

VAR

FY 2000:

VAR

DELIVERY DATES:

FY 1998:

FY 1999:

VAR

FY 2000:

VAR

INSTALLATION SCHEDULE:

PY	FY 99				FY 00				FY 01			
	1	2	3	4	1	2	3	4	1	2	3	4
INPUT	12	12	13	13	12	12	13	13	12	12	13	13
OUTPUT	12	12	13	13	12	12	13	13	12	12	13	13

INSTALLATION SCHEDULE:

PY	FY 02				FY 03				FY 04				FY 05				TC	TOTAL	
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
INPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13			350
OUTPUT	12	12	13	13	12	12	13	13	12	12	13	13	12	12	13	13			350

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

February 1999

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE

OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX

Program Element for Code B Items:

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	68.0		0.8	0.6	1.7	1.7	1.7	1.8	1.8	1.9	11.4	91.4

OTHER PHOTOGRAPHIC EQUIPMENT

The Naval Air Systems Command is tasked to fund transition of CV photographic labs from traditional film technology to digital imagery technology (CNO Memo Ser 09B/2U2501983 of 23 Oct 92 applies). The CV 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 CV 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 impact 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 CV's, 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 CV to maintain 100% mission capability until final digital installation. LANT and PAC deployment schedules and pier-side availability will determine the installation schedule. Phase II digital capability began in late FY95/early 96 and will be completed in FY03.

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 DPL Phase II workstations (comprised of two hard-mounted electronic work stations and one portable backup workstation), one large format digital printer, one high resolution printer, a LAN server to tie them together, eight 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.

NOTE: Funding previously reflected under Y3S4 (Rewson Photographic Equipment) for FY00-05 has been moved to this Subhead.

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET		DATE:
P-40 (Continued)		February 1999
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE	
OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT	OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX	
Program Element for Code B Items:	Other Related Program Elements	
<p>REWSON: Reconnaissance Electronic Warfare Special Operations Navy</p> <p>This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. The 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 Air Wing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.</p> <p>This equipment also supports the photographic intelligence that is disseminated from internal and National sources to the Air Wing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.</p> <p>This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlinked from TARPS. The digital suites can be expanded in the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).</p> <p>NOTE: Funding previously reflected under Y3S4 (Rewson Photographic Equipment) for FY00-05 has been moved to this Subhead.</p>		

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000 **	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Electronic Workstation	A											
Quantity		27	2	2	1	1	1	1	1	1	17	54
Funding		3,726	280	280	145	150	151	152	153	154	2,660	7,851
Digital SLR Color Camera	A											
Quantity		64	10	3	6	10	11	14	14	14	50	196
Funding		1,728	270	78	144	240	264	266	266	266	1,159	4,681
Digital Base Station	A											
Quantity		0	0	0	4	4	4	4	4	4	21	45
Funding		0	0	0	660	680	700	720	740	760	4315	8,575
Other Costs		62,584	228	263	736	645	630	636	659	676	3,238	70,295
Total P-1 Funding*		68,038	778	621	1,685	1,715	1,745	1,774	1,818	1,856	11,372	91,402
Includes Rewson												
*Includes quantities to meet inventory objective plus losses.												
** Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.												

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY BA-3 - AVIATION SUPPORT EQUIPMENT				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SX008	PHOTO EQUIPMENT UNDER \$100K	A	301			10			9			31			
SX019	DIGITAL COLOR PRINTER	A	268			0			0			0			
SX020	ELECTRONIC WORKSTATION SYSTEM	A	3,726	2	140	280	2	140	280	1	145	145			
SX021	DIGITAL SLR COLOR CAMERA	A	1,728	10	27	270	3	26	78	6	24	144			
SX050	MISC SMALL EQUIP & ECPS (PREVIOUS S4019 OF Y3S4) *	A										125			
SX100	DIGITAL BASE STATION (PREVIOUS S4100 OF Y3S4) *	A								4	165	660			
SX830	PRODUCTION ENGINEERING & LOGISTICS SUPPORT		639			69			41			353			
SX900	INSTALLATION (NON-FMP) VARIOUS OTHER COSTS, FY 97 & PRIOR OTHER PHOTOGRAPHIC EQUIPMENT**		2,934			149			213			227			
			58,442												
* Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes															
** The amount identified against this cost element reflects total prior year funding associated with OTHER PHOTOGRAPHIC EQUIPMENT cost elements no longer financed in FY 1997 and beyond.															
			68,038			778			621			1,685			0

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)	Weapon System	A. DATE February 1999
---	---------------	---------------------------------

B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT NAVY BA 3 - AVIATION SUPPORT EQUIPMENT	C. P-1 ITEM NOMENCLATURE 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
ELECTRONIC WORK- STATION SYSTEMS										
SX020/FY 1998	2	140.0	NRAD, Philadelphia	Apr-98	C/MIPR/FP	Various	Jun-98	Sep-98	YES	N/A
SX020/FY 1999	2	140.0	NRAD, Philadelphia	Apr-99	C/MIPR/FP	Various	Jun-99	Sep-99	YES	N/A
SX020/FY 2000	1	145.0	NRAD, Philadelphia	Apr-00	C/MIPR/FP	Various	Jun-00	Sep-00	YES	N/A
DIGITAL SLR COLOR CAMERA										
SX019/FY 1998	10	27.0	NRAD, Philadelphia	Apr-98	C/MIPR/FP	Eastman Kodak, Rochester	Jun-98	Sep-98	YES	N/A
SX019/FY 1999	3	26.0	NRAD, Philadelphia	Apr-99	C/MIPR/FP	Eastman Kodak, Rochester	Jun-99	Sep-99	YES	N/A
SX019/FY 2000	6	24.0	NRAD, Philadelphia	Apr-00	C/MIPR/FP	Eastman Kodak, Rochester	Jun-00	Sep-00	YES	N/A
DIGITAL BASE STATION										
SX100/FY 2000	4	165.0	SPAWAR Det., Phil	Apr-00	C/MIPR/FP	Various	Jun-00	Sep-00	YES	N/A

D. REMARKS

Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.

FY 2000/01 PRESIDENT'S BUDGET PRODUCTION SCHEDULE, P-21						DATE: February 1999																																																																																																									
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT/AVIATION SUPPORT EQUIPMENT						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																																																																																																	
Electronic Workstation System	Various						N/A			9	3	3	12	EA																																																																																																	
Digital SLR Color Camera	Eastman Kodak, Rochester						N/A			9	3	3	12	EA																																																																																																	
Digital Base Station	Various					N/A	N/A	N/A		9 mos	3 mos	3 mos	12 mos	EA																																																																																																	
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999						B A L																																																																																							
						CALENDAR YEAR 1998												CALENDAR YEAR 1999																																																																																													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G	S E P																																																																																	
Electronic Workstation Systems	98	N	2	0	2																					A																														0																																																							
Electronic Workstation Systems	99	N	2	0	2																																							A																											2	0																																							
Digital SLR Color Camera	98	N	10	0	10																																							A																											10	0																																							
Digital SLR Color Camera	99	N	3	0	3																																																																														A																											3	0
Digital Base Station	98	N	3	0	3																																							A																																																					3	0													
Digital Base Station	99	N	3	0	3																																																																	A																											3	0													
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001						B A L																																																																																							
						CALENDAR YEAR 2000												CALENDAR YEAR 2001																																																																																													
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G	S E P																																																																																	
Electronic Workstation Systems	00	N	1	0	1																																					A																											1	0																																									
Digital SLR Color Camera	00	N	6	0	6																																							A																											6	0																																							
Digital Base Station	00	N	4	0	4																																							A																											4	0																																							
Remarks:																																																																																																															
Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes																																																																																																															

CLASSIFICATION: **UNCLASSIFIED**

P3A **INDIVIDUAL MODIFICATION**

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

Date: February 1999

DESCRIPTION/JUSTIFICATION:

Fund transition CV/CVN Photo Lab from traditional "wet" film to digital imagery. Phase II provides additional systems and capabilities above Phase I suites.

DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES: (Phase I completed FY 95)

	FY 1997 & Prior		FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		TC		TOTAL		
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	
FINANCIAL PLAN (IN THOUSANDS)																							
<i>RDT&E</i>																							
<i>PROCUREMENT</i>																							
INSTALLATION KITS	27	3.726	2	0.280	2	0.280	1	0.145	1	0.150	1	0.151	1	0.152	1	0.153	1	0.154	17	2.660	54	7.851	
INSTALLATION KITS - UNIT COST		0.138		0.140		0.140		0.145		0.150		0.151		0.152		0.153		0.154		0.156		0.145	
INSTALLATION KITS NONRECURRING EQUIPMENT																							
EQUIPMENT NONRECURRING																							
ENGINEERING CHANGE ORDERS																							
DATA																							
TRAINING EQUIPMENT																							
SUPPORT EQUIPMENT																							
FIELD ACTIVITY SUPPORT		0.639		0.069		0.041		0.066		0.089		0.082		0.081		0.081		0.081		0.243		1.472	
OTHER																							
OTHER																							
INTERIM CONTRACTOR SUPPORT																							
INSTALL COST	27	2.934	2	0.149	2	0.213	1	0.227	1	0.118	1	0.122	1	0.126	1	0.136	1	0.144	17	0.572	54	4.741	
TOTAL PROCUREMENT		7.299		0.498		0.534		0.438		0.357		0.355		0.359		0.370		0.379		3.475		14.064	

CLASSIFICATION: UNCLASSIFIED

P3A (Continued)

INDIVIDUAL MODIFICATION (Continued)

MODELS OF SYSTEMS AFFECTED: CVs, CVNs, CNET, PNCLA

MODIFICATION TITLE: Digital Photo Lab (Phase II)

Date: February 1999

INSTALLATION INFORMATION:

METHOD OF IMPLEMENTATION: Depot Field Team

ADMINISTRATIVE LEADTIME: 9 Months

PRODUCTION LEADTIME: 3 Months

CONTRACT DATES: FY 1999: June 99

FY 2000: June 00

DELIVERY DATE: FY 1999: Sep 99

FY 2000: Sep 00

(\$ in Millions)

Cost:	Prior Years				FY 1998		FY 1999		FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Complete		Total	
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
PRIOR YEARS	27	2.934																					27	2.934
FY 1998 EQUIPMENT					2	.149																	2	.149
FY 1999 EQUIPMENT							2	.213															2	.213
FY 2000 EQUIPMENT									1	.227													1	.227
FY 2001 EQUIPMENT											1	.118											1	.118
FY 2002 EQUIPMENT													1	.122									1	.122
FY 2003 EQUIPMENT															1	.126							1	.126
FY 2004 EQUIPMENT																	1	.136					1	.136
FY 2005 EQUIPMENT																			1	.144			1	.144
TO COMPLETE																					17	0.572	17	0.572

INSTALLATION SCHEDULE:

	FY 1998 & Prior	FY 1999				FY 2000				FY 2001				FY 2002				FY 2003				FY 2004				FY 2005				IC	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	17					
In	29	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	17	54				
Out	29	0	0	0	2	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	0	0	0	1	17	54				

P-3A

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy/Aviation Support Equipment					DATE: February 1999	
P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX		Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos			
Electronic Workstation System	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	2	2	1	1	1	1	1	1
Unit Cost	140	140	145	150	151	152	153	154
Total Cost	280	280	145	150	151	152	153	154
Asset Dynamics								
Beginning Asset Position	27	29	31	32	33	34	35	36
Deliveries from all prior year funding	2	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	2	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	1	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	1	1	1	1	1
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	0	0	0	0	0	0	0	0
End of Year Asset Position	29	31	32	33	34	35	36	37
Inventory Objective or Current Authorized Allowance	54	54	54	54	54	54	54	54
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other: 54	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								
Inventory objective equals:								
Four workstations per CV/CVN (4*12)		48						
Two each for three shore stations (2*3)		<u>6</u>						
		54						

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY					DATE:	
		Other Procurement, Navy/Aviation Support Equipment					February 1999	
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX		9 mos			3 mos			
Digital SLR Color Camera	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	10	3	6	10	11	14	14	14
Unit Cost	27	26	24	24	24	19	19	19
Total Cost	270	78	144	240	264	266	266	266
Asset Dynamics								
Beginning Asset Position	64	63	55	50	49	49	52	55
Deliveries from all prior year funding	10	0	0	0	0	0	0	0
Deliveries from FY 1999 funding	0	3	0	0	0	0	0	0
Deliveries from FY 2000 funding	0	0	6	0	0	0	0	0
Deliveries from subsequent years' funding	0	0	0	10	11	14	14	14
Other Gains	0	0	0	0	0	0	0	0
Combat Losses/Usage	0	0	0	0	0	0	0	0
Training Losses/Usage	0	0	0	0	0	0	0	0
Test Losses/Usage	0	0	0	0	0	0	0	0
Other Losses/Usage	0	0	0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.	11	11	11	11	11	11	11	11
End of Year Asset Position	63	55	50	49	49	52	55	58
Inventory Objective or Current Authorized Allowance	108	108	108	108	108	108	108	108
Inventory Objective 108	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:				BAI	
Other: 108	FY 1995:	FY 1995:	FY 1995:				Inactive Inv:	
TOTAL:							Storage:	
Remarks:								
Inventory objective equals: Nine cameras per CV/CVN (9*12) 108								
Attrition based on historical average.								

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY - 3 AIRCRAFT PROCUREMENT, NAVY				DATE: February 1999	
P-1 ITEM NOMENCLATURE OTHER PHOTOGRAPHIC EQUIPMENT - Y3SX			Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos		
Digital Base Station	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			4	4	4	4	4	4
Unit Cost			165	170	175	180	185	190
Total Cost			660	680	700	720	740	760
Asset Dynamics								
Beginning Asset Position			9	13	17	21	25	29
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 1999 funding			0	0	0	0	0	0
Deliveries from FY 2000 funding			4	0	0	0	0	0
Deliveries from subsequent years' funding			0	4	4	4	4	4
Other Gains			0	0	0	0	0	0
Combat Losses/Usage			0	0	0	0	0	0
Training Losses/Usage			0	0	0	0	0	0
Test Losses/Usage			0	0	0	0	0	0
Other Losses/Usage			0	0	0	0	0	0
Disposals/Retirements/Attritions/etc.			0	0	0	0	0	0
End of Year Asset Position			13	17	21	25	29	33
Inventory Objective or Current Authorized Allowance			54	54	54	54	54	54
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI	
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:		Vehicle Augment:		Attrition Res:	
Pipeline:	FY 1996:	FY 1996:	FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:	FY 1995:				Inactive Inv:	
TOTAL:							Storage:	
Remarks:								
Effective FY 2000, funding previously identified under the REWSON Photographic Equipment line (BLI 425600) transitions to this line item for consolidation purposes.								
Inventory objective of 54 equals:								
Four digital base stations per ship (4*12=48) 48								
Two digital base stations each for three shore activities (2*3=6) 6								
TOTAL 54								

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

**BUDGET ITEM JUSTIFICATION SHEET
P-40**

DATE:

FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY	P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS
---	---

Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT	Other Related Program Elements
---	--------------------------------

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	\$16.5	\$28.8	\$29.2	\$29.9	\$30.5	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 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 COSPAS SARSAT 406 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 adaptor which replaces the PRC-125, satisfying the peculiar mission of the in water rescue swimmer. IO is 20,000. Procurements:

- FY99 - 600
- FY00 - 1400

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS					
Program Element for Code B Items: BA 3 AVIATION SUPPORT EQUIPMENT							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	\$16.5	\$28.8	\$29.2	\$29.9	\$30.5	Cont.	Cont.
<p>LASER EYE PROTECTION-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. IO is 4300. Procurements: FY99 -1958 FY00 - 2022</p> <p>JOINT SERVICE AIRCREW LOW ENERGY MULTIPLE WAVELENGTH ADVANCED LASER EYE PROTECTION VISOR - SY085 -Joint Service Aircrew Low Energy Multiple Wavelength Advanced Laser Eye Protection Visor (JALEPV) Program. The JALEPV has been designated as a ACAT IVM Program. The Navy is the lead service for this program. The JALEPV is being developed to provide day and night multiple wavelength, low energy protection to address the needs of fixed and rotary wing aircrew in a fixed multiple wavelength laser threat environment. The visor is being developed for compatibility with current Army, and USN/USMC Aviation Life Support Equipment (ALSE) as well as cockpit displays, night vision, and fire control systems. IO is 3500. Procurements: FY00 - 500</p>												

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE

AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:

BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	\$16.5	\$28.8	\$29.2	\$29.9	\$30.5	Cont.	Cont.

AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)-SY120

-An optimized vest/armor system with modularity for the mission specific requirements of combat helicopter aircrews. IO is 3,568. Procurements:

- FY99 - 379
- FY00 - 439

PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS) - SY130

-A system developed to provide personal flotation that is compatible with other protective, survival and combat equipment. IO is 8,652. Procurements:

- FY99 - 3169

PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS) - SY140

-Constant wear emergency flotation platform for helicopter aircrewman. IO is 2,100. Procurements:

- FY99 - 386
- FY00 - 264

NAVY COMBAT EDGE (NCE)-SY170

-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-20/P lower anti-G garment; and Anti-G valve). IO is 1,288. Procurements:

- FY99 - 300
- FY00 - 300

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET

P-40

DATE:

FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY

OTHER PROCUREMENT, NAVY

P-1 ITEM NOMENCLATURE

AVIATION LIFE SUPPORT SYSTEMS

Program Element for Code B Items:

BA 3 AVIATION SUPPORT EQUIPMENT

Other Related Program Elements

	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	\$16.5	\$28.8	\$29.2	\$29.9	\$30.5	Cont.	Cont.

AIRCREW MODIFIED EQUIPMENT LEADING TO INCREASED ACCOMMODATION (AMELIA) - SY175

- An intergrated aircrew flight ensemble which provides significant G protection by an extended coverage lower anti-G garment used with regulated positive pressure breathing balanced by an upper torso counterpressure vest. This system is an adaptation of the USAF Combat Edge system to make it compatible with USN/USMC aircraft and aircrews.

AMELIA is buying Anti-Exposure suits for small statured people in FY00. IO is 1,200. Procurements:

FY00 - 1200

NIGHT VISION DEVICES - AN/AVS-9 - SY210

-These Night Vision Devices (NVD) are used by TACAIR platforms as a situational awareness enhancement for night operations and are critical to mission success. IO is 1,325. Procurement:

FY99 - 670

FY00 - 195

NIGHT VISION GOGGLES SUPPORT EQUIPMENT - SY211

-This Night Vision Goggle support equipment for the TACAIR platforms, for Intermediate level maintenance. IO is 14. Procurement:

FY99 - 14

NIGHT VISION GOGGLES AN/AVS-6 - SY212

- These Night Vision Devices are used by Rotary Wing and Fixed Wing Platforms as a situational awareness and mission enhancement for night operations. IO is 5432. Procurements:

FY00 - 221

LOW PROFILE FLOTATION COLLAR - SY220

- A flotation device for aircrews that is less bulky and better integrates with existing life support equipment aircrew stations. IO is 10,700.

FY99 - 4144

FY00 - 2921

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS 43SY					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
NEW SURVIVAL RADIO	A											
TOTAL COST (\$K)		0	3,026	2,250	4,140	7,811	8,719	0	0	0	18,630	44,576
QUANTITY		0	46	600	1400	4780	4200	0	0	0	8974	20000
PRC-112 UPGRADES	A											
TOTAL COST (\$K)		200	515	0	0	0	0	0	0	0	0	715
QUANTITY		800	1952	0	0	0	0	0	0	0	0	2752
C-SEL	B											
TOTAL COST (\$K)		0	0	0	0	0	2,864	7,789	519	716	47,247	59,135
QUANTITY		0	0	0	0	0	398	1117	76	110	7299	9000
LASER EYE PROTECT.	A											
TOTAL COST (\$K)		319	0	2,003	1,800	0	0	0	0	0	0	4,122
QUANTITY		320	0	1958	2022	0	0	0	0	0	0	4300
JALEPV	B											
TOTAL COST (\$K)		0	0	0	874	1,048	1,048	1,048	1,048	1,048	0	6,114
QUANTITY		0	0	0	500	600	600	600	600	600	0	3500
CWU-60/P	A											
TOTAL COST (\$K)		3,000	0	0	0	0	0	0	0	0	0	3,000
QUANTITY		4350	0	0	0	0	0	0	0	0	0	4350
HEED P3I	A											
TOTAL COST (\$K)		2,429	0	0	0	0	0	0	0	0	0	2,429
QUANTITY		6000	0	0	0	0	0	0	0	0	0	6000
AISAP (BODY ARMOR)	A											
TOTAL COST (\$K)		2,264	1,180	493	571	185	390	0	0	0	0	5,083
QUANTITY		1550	758	379	439	142	300	0	0	0	0	3568
PATSS	A											
TOTAL COST (\$K)		914	0	539	0	0	0	0	0	0	0	1,453
QUANTITY		5483	0	3169	0	0	0	0	0	0	0	8652

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS 43SY					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
PAESS	A											
TOTAL COST (\$K)		1,083	0	386	264	0	0	0	0	0	0	1733
QUANTITY		1450	0	386	264	0	0	0	0	0	0	2100
MINI-RAFT BACKPACK	B											
TOTAL COST (\$K)		509	0	0	0	0	0	0	0	0	275	784
QUANTITY		2848	0	0	0	0	0	0	0	0	3052	5900
NAVY COMBAT EDGE	B											
TOTAL COST (\$K)		1,309	1,348	1,350	1,350	1,242	369	0	0	0	0	6,968
QUANTITY		0	330	300	300	276	82	0	0	0	0	1288
AMELIA	A											
TOTAL COST (\$K)		0	0	0	902	0	0	0	0	0	0	902
QUANTITY		0	0	0	1200	0	0	0	0	0	0	1200
AIRCREW INTEGRATED SUPPORT SYSTEMS	B											
TOTAL COST (\$K)		0	0	0	0	0	8,696	12,714	20,470	20,617	2409	64,906
QUANTITY		0	0	0	0	0	2314	3816	6145	6189	723	19187
NIGHT VISION DEVICES	A											
TOTAL COST (\$K)		2,065	1,564	4,342	1,264	0	0	0	0	0	0	9,235
QUANTITY		226	234	670	195	0	0	0	0	0	0	1325
NVG SUPPORT EQUIP	A											
TOTAL COST (\$K)		0	0	347	0	0	0	0	0	0	0	347
QUANTITY		0	0	14	0	0	0	0	0	0	0	14
NIGHT VISION GOGGL AN/AVS-6	A											
TOTAL COST (\$K)		0	0	0	1,552	3,094	3,094	3,094	3,094	3,094	21,007	38,029
QUANTITY		0	0	0	221	442	442	442	442	442	3001	5432

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE AVIATION LIFE SUPPORT SYSTEMS 43SY					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
LOW PROFILE	A											
FLOTATION COLLAR												
TOTAL COST (\$K)		752	356	1,440	1,075	0	0	0	0	0	0	3,623
QUANTITY		2,530	1105	4144	2921	0	0	0	0	0	0	10700
OTHER COSTS		101,347										
PRODUCTION SUPPORT		12,869	3,276	2,985	2,761	2,667	3,259	4,442	4,778	5,044	cont.	cont.
TEST AND EVALUATION		0	0	410	500	475	345	100	0	0	cont.	cont.
TOTAL FUNDING		129,060	11,265	16,545	17,053	16,522	28,784	29,187	29,909	30,519	cont.	cont.

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System			DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA 3 AVIATION SUPPORT EQUIPMENT							ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD AVIATION LIFE SUPPORT SYSTEMS 43SY							
COST CODE	ELEMENT OF COST	ID Code	Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
			SY030	NEW SURVIVAL RADIO	A	0	46	65,782	3,026	600	3,750	2,250			
SY048	PRC-112 UPGRADES	A	200	1952	264	515	0	0	0	0	0	0			
SY060	COMBAT SURVIVOR EVADER LOCATOR	B	0	0	0	0	0	0	0	0	0	0			
SY080	LASER EYE PROTECTION	A	319	0	0	0	1958	1,023	2,003	2022	890	1,800			
SY085	JALEPV	B	0	0	0	0	0	0	0	500	1,747	874			
SY100	CWU-60/P	A	3,000	0	0	0	0	0	0	0	0	0			
SY110	HEEDS	A	2,429	0	0	0	0	0	0	0	0	0			
SY120	AISAP (BODY ARMOR)	A	2,264	758	1,556	1,180	379	1,301	493	439	1,300	571			
SY130	PATSS	A	914	0	0	0	3169	170	539	0	0	0			
SY140	PAESS	A	1,083	0	0	0	386	1,000	386	264	1,000	264			
SY150	MINI-RAFT BACKPACK	A	509	0	0	0	0	0	0	0	0	0			
SY170	NAVY COMBAT EDGE	B	1,309	330	4,085	1,348	300	4,500	1,350	300	4,500	1,350			
SY175	AMELIA	A	0	0	0	0	0	0	0	1,200	752	902			
SY205	AILSS	B	0	0	0	0	0	0	0	0	0	0			
SY210	NIGHT VISION DEVICES (AN/AVS-9)	A	2065	234	6,683	1,564	670	6,481	4,342	195	6,480	1,264			
SY211	NIGHT VISION SUPPORT EQUIPMENT	B	0	0	0	0	14	24,786	347	0	0	0			
SY212	NIGHT VISION GOGGLES (AN/AVS-6)	A	0	0	0	0	0	0	0	221	7,000	1,552			
SY220	LOW PROFILE FLOTATION COLLAR	A	752	1105	311	356	4144	347	1,440	2921	368	1,075			
SY830	PRODUCTION SUPPORT SERVICES		12,869			3,276			2,985			2,761			
SY860	TEST AND EVALUATION		0			0			410			500			
	OTHER COSTS		101,347												
			129,060			11,265			16,545			17,053			

1) Inflated unit cost for FY98 due to qualification testing

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			SUBHEAD		
Other Procurement, Navy						AVIATION LIFE SUPPORT SYSTEMS			43SY		
BA 3 AVIATION SUPPORT EQUIPMENT											
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
SY030 NEW SURVIVAL RADIO											
FY-1999	600	3.8	NAVAIR	N/A	OPTION	TADIRAN SPECTRALINK	02/99	08/99	YES	N/A	
FY-2000	1400	3	NAVAIR	N/A	OPTION	HOLON, ISRAEL	02/00	08/00	YES	N/A	
SY080 LASER EYE PROTECTION											
FY-1999	1958	1	NAWCAD/PAX	N/A	OPTION	KAISER	02/99	04/99	YES	N/A	
FY-2000	2022	0.9	NAWCAD/PAX	N/A	OPTION	ANN ARBOR, MI	02/00	04/00	YES	N/A	
SY085 JALEPV											
FY-2000	500	1.8	NAVAIR	N/A	CPFF	AOTEC	01/00	07/00	YES	N/A	
						SOUTHBRIDGE, MASS					
SY120 AISAP (ARMOR)											
FY-1999	379	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	12/98	05/99	YES	N/A	
FY-2000	439	1.3	DPSC, PHIL	N/A	OPTION	VARIOUS	12/99	05/00	YES	N/A	
SY130 PATSS											
FY-1999	3169	0.2	NAVICP, PHIL	N/A	OPTION	SWITLIK	11/98	08/99	YES	N/A	
						TRENTON, NJ					
D. REMARKS											

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOMENCLATURE			SUBHEAD		
Other Procurement, Navy						AVIATION LIFE SUPPORT SYSTEMS			43SY		
BA 3 AVIATION SUPPORT EQUIPMENT											
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	DATE REVISIONS AVAILABLE	
SY140 PAESS											
FY-1999	386	1	NAVCIP, PHIL	7/98	C/FP	TBD	03/99	10/99	YES	N/A	
FY-2000	264	1	NAVCIP, PHIL	N/A	OPTION	TBD	03/00	10/00	YES	N/A	
SY170 NAVY COMBAT EDGE											
FY-1999	300	4.5	VARIOUS	N/A	OPTION	VARIOUS	01/99	10/99	YES	N/A	
FY-2000	300	4.5	VARIOUS	N/A	OPTION	VARIOUS	01/00	10/00	YES	N/A	
SY175 AMELIA											
FY-2000	1200	0.8	NAVICP, PHIL	7/98	C/FP	TBD	03/00	10/00	YES	N/A	
SY210 NIGHT VISION DEVICES											
FY-1999	670	6.5	NAVAIR,PAX	N/A	OPTION	ITT, ROANOKE VA	01/99	09/99	YES	NA	
FY-2000	195	6.5	NAVAIR,PAX	N/A	OPTION	ITT, ROANOKE VA	01/00	09/00	YES	NA	
SY211 NIGHT VISION GOGGLES SUPPORT EQUIPMENT											
FY-1999	14	24.8	NAWCAD/PAX	N/A	OMINBUS	HOFFMAN ENG, CN	01/99	03/99	YES	N/A	
SY212 NIGHT VISION GOGGLES (AN/AVS-6)											
FY-2000	221	7	NAVAIR	5/99	C/FP	TBD	01/00	09/00	NO	9/99	
SY220 LOW PROFILE FLOTA- TION COLLAR											
FY-1999	4144	0.4	NAWC, CL	N/A	OPTION	SEI, ASHEVILLE, N.C	11/98	06/99	YES	NA	
FY-2000	2921	0.4	NAWC, CL	N/A	OPTION	SEI, ASHEVILLE, N.C	11/99	06/00	YES	N/A	

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21						DATE FEBRUARY 1999																									
APPROPRIATION/BUDGET ACTIVITY				##		Weapon System				P-1 ITEM NOMENCLATURE																					
OTHER PROCUREMENT, NAVY										AVIATION																					
		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			20	400	500	1	5	6	6	x	months																		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998													B A L											
							CALENDAR YEAR 1998																								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY030, New Survival Radio/Tadiran		98	N	46	0	46									A																0
		99	N	600	0	600																									500
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000													B A L											
							CALENDAR YEAR 2000																								
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY030, New Survival Radio/Tadiran		99	N	600	100	500	50	50	50	50	50	50	50	50	50	50															0
		00	N	1400	0	1400					A																			0	
Remarks:																															

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes						Total	Unit of Measure	
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT					
		SY080, Laser Eye Protection	Kaiser, ANN ARBOR, MI	25	50	400	7	5	13	2			7
SY085, JALEPV	AOTEC, SOUTHBRIDGE, MASS	40	300	400	7	4	6	6	10			months	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999									B A L								
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P					
SY080 Laser Eye Prot AN/AVS-9/Kaiser	99	N	1958	0	1958																														978

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001									B A L								
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001																	
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N		J U L	A U G	S E P					
SY080 Laser Eye Prot AN/AVS-9/Kaiser	99	N	1958	980	978	163	163	163	163	163	163																								0
	00	N	2022	0	2022																														0
SY085 JALEPV/AOTEC	00	N	500	0	500							A																							0

Remarks:

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21							DATE FEBRUARY 1999																								
APPROPRIATION/BUDGET ACTIVITY					##		Weapon System					P-1 ITEM NOMENCLATURE																			
OTHER PROCUREMENT, NAVY												AVIATION																			
		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																		
SY120, AISAP (ARMOR)		Various			30	200	500	4	3	7	5	8	months																		
SY130, PATSS		Switlik, PA/Trenton, NJ			100	250	500	5	2	9	9	11	months																		
SY140, PAESS		TBD			30	100	150	1	6	7	7	13	months																		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998														B A L										
							CALENDAR YEAR 1998																								
							1997			CALENDAR YEAR 1998												CALENDAR YEAR 1999									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY120, AISAP (ARMOR)/Various		98	N	758	0	758			A						63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	63	0
		99	N	379	0	379																									224
SY130,PATSS/Switlik		99	N	3169	0	3169																									2640
SY140, PAESS/TBD		99	N	386	0	386																									386
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000														B A L										
							CALENDAR YEAR 2000																								
							1999			CALENDAR YEAR 2000												CALENDAR YEAR 2001									
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY120, AISAP (ARMOR)/Various		99	N	379	155	224	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	32	0
SY120, AISAP (ARMOR)/Various		00	N	439	0	439			A					36	36	36	36	36	36	37	37	37	37	37	37	37	37			0	
SY130,PATSS/Switlik		99	N	3169	529	2640	264	264	264	264	264	264	264	264	264	264	264	264													0
SY140, PAESS/TBD		99	N	386	0	386	33	33	32	32	32	32	32	32	32	32	32	32													0
		00	N	264	0	264														33	33	33	33	33	33	33	33				0
Remarks:																															

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21

DATE FEBRUARY 1999

APPROPRIATION/BUDGET ACTIVITY #
OTHER PROCUREMENT, NAVY

Weapon System

P-1 ITEM NOMENCLATURE
AVIATION

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes					Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT			
SY170, Navy Combat Edge	Various	20	75	200	7	4	11	9	13	months	
SY175, AMELIA	TBD	20	50	300	7	6	7	7	13	months	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L					
						CALENDAR YEAR 1998												CALENDAR YEAR 1999																	
						O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S				
SY170, Navy Combat Edge/Various	98	N	330	0	330					A																									0
	99	N	300	0	300															A														300	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L				
						CALENDAR YEAR 2000												CALENDAR YEAR 2001																
						O	N	D	J	F	M	A	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S			
SY170, Navy Combat Edge/Various	99	N	300	0	300	25	25	25	25	25	25	25	25	25	25																			0
	00	N	300	0	300				A									25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	0
SY175, Amelia/TBD	00	N	1200	0	1200						A							100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	0	

Remarks:

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21						DATE FEBRUARY 1999																								
APPROPRIATION/BUDGET ACTIVITY						##					Weapon System			P-1 ITEM NOMENCLATURE																
OTHER PROCUREMENT, NAVY						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																
SY210, Night Vision Devices (AN/AVS-9)	ITT, VA					15	150	200	7	4	7	8	12	months																
SY211, NVG Support Equip	HOFFMAN ENG, CN					4	14	'14	1	2	2	2	4	months																
SY212, NVG (AN/AVS-6)	TBD								7	4	8	8	12	months																
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999												B A L
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY210, Night Vision Devices/ITT	99	N	670	0	670													A											55	615
SY211, NVG Support Equipment	99	N	14	0	14													A		4	4	6								0
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001												B A L
						1999						CALENDAR YEAR 2000						CALENDAR YEAR 2001												
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
SY210, Night Vision Devices (AN/AVS-9)/ITT	99	N	670	55	615	55	56	56	56	56	56	56	56	56																0
	00	N	195	0	195																									0
SY212, Night Vision Goggles/AN/AVS-6	00	N	221	0	221																									0
Remarks:																														

FY 2000 BUDGET PRODUCTION SCHEDULE, P-21						DATE FEBRUARY 1999																							
APPROPRIATION/BUDGET ACTIVITY						Weapon System					P-1 ITEM NOMENCLATURE																		
OTHER PROCUREMENT, NAVY						#																							
		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															
SY220, Low Profile Flotation Collar	SEI, Ashville, NC					30	250	350	5	2	7	7	9	months															
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999								B A L			
						1997			CALENDAR YEAR 1998									CALENDAR YEAR 1999											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G
SY220, Low Profile FlotCollar/SEI	97	N	2530	842	1688	211	211	211	211	211	211	211	211																0
	98	N	1105	0	1105		A						92	92	92	92													0
	99	N	4144	0	4144										A									345	345	345	345	2764	
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001								B A L			
						1999			CALENDAR YEAR 2000									CALENDAR YEAR 2001											
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y		J U N	J U L	A U G
SY220, Low Profile FlotCollar/SEI	99	N	4144	1380	2764	345	345	345	345	346	346	346	346																0
	00	N	2921	0	2921		A						243	243	243	243	243	243	243	244	244	244	244	244					0
Remarks:																													

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY				DATE:		
		OPN				FEBRUARY 1999		
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
SURVIVAL RADIO		3 MONTHS			6 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	46	600	1400	4780	4200			
Unit Cost	65.782	3.750	2.957	1.634	2.076			
Total Cost	\$3,026	\$2,250	\$4,140	\$7,811	\$8,719			
Asset Dynamics								
Beginning Asset Position	0	0	146	880	2844	7526		
Deliveries from all prior year funding	0	46	0	0	0	0		
Deliveries from FY 1999 funding	0	100	500	0	0	0		
Deliveries from FY 2000 funding	0	0	234	1166	0	0		
Deliveries from subsequent years' funding	0	0	0	798	4682	3500		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	146	880	2844	7526	11026	11026	11026
Inventory Objective or Current Authorized Allowance	20000	20000	20000	20000	20000	20000	20000	20000
Inventory Objective 20000	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
							OPN	
							FEB-99	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
LASER EYE PROTECTION			3 MONTHS			2 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	0	1958	2022					
Unit Cost	0	1.023	.890					
Total Cost	\$0.0	\$2,003	\$1,800					
Asset Dynamics								
Beginning Asset Position	0	320	1300	3286				
Deliveries from all prior year funding	320	0	0	0				
Deliveries from FY 1999 funding	0	980	978	0				
Deliveries from FY 2000 funding	0	0	1008	1014				
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	320	1300	3286	4300	4300	4300	4300	4300
Inventory Objective or Current Authorized Allowance	4300	4300	4300	4300	4300	4300	4300	4300
Inventory Objective 4300	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
			OPN				FEB-99	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
JALEPV (AN/AVS-6)			4 MONTHS			6 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			500	600	600	600	600	600
Unit Cost			1.747	1.746	1.746	1.746	1.746	1.746
Total Cost			\$874	\$1,048	\$1,048	\$1,048	\$1,048	\$1,048
Asset Dynamics								
Beginning Asset Position			0	126	650	1250	1850	2450
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 1999 funding			0	0	0	0	0	0
Deliveries from FY 2000 funding			126	374	0	0	0	0
Deliveries from subsequent years' funding			0	150	600	600	600	600
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			126	650	1250	1850	2450	3050
Inventory Objective or Current Authorized Allowance			3500	3500	3500	3500	3500	3500
Inventory Objective 3500	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:	PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY				DATE:		
		OPN				FEB-99		
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
AIRCREW INTEGRATED SURVIVAL/ARMOR PROTECTION (AISAP)		3 MONTHS			5 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	758	379	439	142	300			
Unit Cost	1.556	1.301	1.300	1.300	1.300			
Total Cost	\$1,180	\$493	\$571	\$185	\$390			
Asset Dynamics								
Beginning Asset Position	1550	1865	2463	2867	3268	3418		
Deliveries from all prior year funding	315	443	0	0	0	0		
Deliveries from FY 1999 funding	0	155	224	0	0	0		
Deliveries from FY 2000 funding	0	0	180	259	0	0		
Deliveries from subsequent years' funding	0	0	0	142	150	150		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	1865	2463	2867	3268	3418	3568	3568	3568
Inventory Objective or Current Authorized Allowance	3568	3568	3568	3568	3568	3568	3568	3568
Inventory Objective 3568	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY					DATE:	
							OPN	FEB-99
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
PASSENGER AND TROOP SURVIVAL SYSTEM (PATSS)		2 MONTHS			9 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		3169						
Unit Cost		.170						
Total Cost		\$539						
Asset Dynamics								
Beginning Asset Position		5483	6012					
Deliveries from all prior year funding		0	0					
Deliveries from FY 1999 funding		529	2640					
Deliveries from FY 2000 funding		0	0					
Deliveries from subsequent years' funding		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		6012	8652	8652	8652	8652	8652	8652
Inventory Objective or Current Authorized Allowance		8652	8652	8652	8652	8652	8652	8652
Inventory Objective 8652	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY				OPN	DATE: FEB-99	
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
PASSENGER ANTI-EXPOSURE SURVIVAL SYSTEM (PAESS)		6 MONTHS			7 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		386	264					
Unit Cost		1.0	1.0					
Total Cost		\$386	\$264					
Asset Dynamics								
Beginning Asset Position		1450	1450	1836				
Deliveries from all prior year funding		0	0	0				
Deliveries from FY 1999 funding		0	386	0				
Deliveries from FY 2000 funding		0	0	264				
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		1450	1836	2100	2100	2100	2100	2100
Inventory Objective or Current Authorized Allowance		2100	2100	2100	2100	2100	2100	2100
Inventory Objective 2100	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY				OPN	DATE: FEB-99	
P-1 ITEM NOMENCLATURE NAVY COMBAT EDGE		Admin Leadtime (after Oct1): 4 MONTHS			Prod Leadtime : 9 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	330	300	300	276	82			
Unit Cost	4.09	4.5	4.5	4.5	4.5			
Total Cost	\$1,348	\$1,350	\$1,350	\$1,242	\$369			
Asset Dynamics								
Beginning Asset Position	0	0	330	630	930	1206		
Deliveries from all prior year funding	0	330	0	0	0	0		
Deliveries from FY 1999 funding	0	0	300	0	0	0		
Deliveries from FY 2000 funding	0	0	0	300	0	0		
Deliveries from subsequent years' funding	0	0	0	0	276	82		
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position	0	330	630	930	1206	1288	1288	1288
Inventory Objective or Current Authorized Allowance	1288	1288	1288	1288	1288	1288	1288	1288
Inventory Objective 1288	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
			OPN				FEB-99	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):			Prod Leadtime :		
AMELIA			6 MONTHS			7 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			1200					
Unit Cost			.751					
Total Cost			\$902					
Asset Dynamics								
Beginning Asset Position		0	0	0				
Deliveries from all prior year funding		0	0	0				
Deliveries from FY 1999 funding		0	0	0				
Deliveries from FY 2000 funding		0	0	1200				
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	1200	1200	1200	1200	1200
Inventory Objective or Current Authorized Allowance		1200	1200	1200	1200	1200	1200	1200
Inventory Objective 1200	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:		
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY					DATE:	
					OPN	FEB-99		
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
NIGHT VISION DEVICES (AN/AVS-9)		4 MONTHS			8 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	234	670	195					
Unit Cost	6.683	6.48	6.48					
Total Cost	\$1,564	\$4,342	\$1,264					
Asset Dynamics								
Beginning Asset Position	226	226	515	1147				
Deliveries from all prior year funding	0	234	0	0				
Deliveries from FY 1999 funding	0	55	615	0				
Deliveries from FY 2000 funding	0	0	17	178				
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	226	515	1147	1325	1325	1325	1325	1325
Inventory Objective or Current Authorized Allowance	1325	1325	1325	1325	1325	1325	1325	1325
Inventory Objective 1325	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY					DATE:	
							OPN	
							FEB-99	
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):			Prod Leadtime :			
NIGHT VISION GOGGLES SUPPORT EQUIPMENT		2 MONTHS			2 MONTHS			
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		14						
Unit Cost		24.786						
Total Cost		\$347						
Asset Dynamics								
Beginning Asset Position		0						
Deliveries from all prior year funding		0						
Deliveries from FY 1999 funding		14						
Deliveries from FY 2000 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		14	14	14	14	14	14	14
Inventory Objective or Current Authorized Allowance		14	14	14	14	14	14	14
Inventory Objective	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
14	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: TAI
Assets Rqd For Combat Loads:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:
WRM Rqmt:	FY 1996:	FY 1996:		FY 1996:				BAI
Pipeline:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:
Other:								Storage:
TOTAL:								
Remarks:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE:	
							OPN	
							FEB-99	
P-1 ITEM NOMENCLATURE			Admin Leadtime (after Oct1):				Prod Leadtime :	
NIGHT VISION GOGGLES (AN/AVS-6)			4 MONTHS				8 MONTHS	
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary			221	442	442	442	442	442
Unit Cost			7.0	7.0	7.0	7.0	7.0	7.0
Total Cost			\$1,552	\$3,094	\$3,094	\$3,094	\$3,094	\$3,094
Asset Dynamics								
Beginning Asset Position			0	19	258	700	1142	1584
Deliveries from all prior year funding			0	0	0	0	0	0
Deliveries from FY 1999 funding			0	0	0	0	0	0
Deliveries from FY 2000 funding			19	202	0	0	0	0
Deliveries from subsequent years' funding			0	37	442	442	442	442
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
End of Year Asset Position			19	258	700	1142	1584	2026
Inventory Objective or Current Authorized Allowance			5432	5432	5432	5432	5432	5432
Inventory Objective 5432	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:	
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY				DATE: FEB-99	
P-1 ITEM NOMENCLATURE LOW PROFILE FLOTATION COLLAR			Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 7 MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	1105	4144	2921					
Unit Cost	.311	.347	.368					
Total Cost	\$356	\$1,440	\$1,075					
Asset Dynamics								
Beginning Asset Position	2530	2898	5015	8751				
Deliveries from all prior year funding	368	737	0	0				
Deliveries from FY 1999 funding	0	1380	2764	0				
Deliveries from FY 2000 funding	0	0	972	1949				
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	2898	5015	8751	10700	10700	10700	10700	10700
Inventory Objective or Current Authorized Allowance	10700	10700	10700	10700	10700	10700	10700	10700
Inventory Objective 10700	Actual Training Expenditures	Other than Training Usage		Disposals (Vehicles/Other)		Vehicles Eligible for FY 2000 Replacement:		Aircraft: TOAI:
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:		FY 1998 thru XXXXX:		Vehicles Eligible for FY 2001 Replacement:		PAA: 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:								

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE/LINE ITEM # Airborne Mine Countermeasures SUBHEAD: 73S0 LI:424800					
Program Element for Code B Items: N/A							OTHER RELATED PROGRM ELEMENTS N/A					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY	N/A	A										0
EQUIPMENT COST (In Millions)	N/A	A	\$29.3	\$37.1	\$40.5	\$28.2	\$31.0	\$47.0	\$82.6	\$98.9	N/A	\$395
SPARES COST (In Millions)	N/A	A	\$2.0	\$2.0	\$3.4	\$3.0	\$4.1	\$3.0	\$1.2	\$0.0	N/A	\$19
PROGRAM DESCRIPTION/JUSTIFICATION:												
<p>Airborne Mine Countermeasures (AMCM) Equipment is used by MH-53E helicopters and CH-60S organic helicopters to counter the threat of sea mines. The equipment is divided into two broad categories -- minesweeping, and minehunting. (1) Minesweeping is performed by mechanical or influence sweeps. In mechanical sweeping, the mine mooring is severed by the sweep gear allowing the mine to float to the surface where it is destroyed. In influence sweeping, a magnetic or acoustic field which simulates the magnetic/acoustic signature of a ship is introduced into the water. This field causes the mine mechanism to actuate. (2) In mine hunting, the object is to actually locate and classify minelike objects (usually by means of high resolution sonar) and mark or neutralize mines using explosive devices. AMCM squadrons currently have mechanical, magnetic, and acoustic sweeping capabilities, and mine surveillance and marking capabilities. Their mission is to locate, classify and neutralize moored and bottom mines.</p> <p>S0020 - Funds provided are for the modification of systems to accommodate replacement of subsystems/components because of obsolescence. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components.</p> <p>S0061 - The upgraded MK-105 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 course 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. ECP's are analyzed, prioritized and screened to accommodate replacement of subsystems/components because of obsolescence. Funding for this effort is designated in all fiscal years. Ten units are to be procured at an estimated total cost of \$52.2M. Three units were included in the FY96 budget year, with seven units will be procured in subsequent years.</p> <p>S0062 - AN/AQS-14A is a digital upgrade to the electronics used in the airborne console for the AQS-14 which has been in the fleet since 1984. The requirement for this upgrade is driven by parts obsolescence, the need for improved performance, and advances in the state of the art.</p> <p>S0063 - Magnetic Cable is a new magnetic sweep array with an extended operational life and the capability to handle twice the current of existing cable. Additionally, cable diameter and bend radius are maintained to allow continued use of existing support equipment. Funding is provided to procure twenty-five cables for an estimated total cost of \$3M.</p> <p>S0065 - Airborne Mine Neutralization System (AMNS) is an expendable remote controlled neutralizer vehicle deployed from helicopter platform to reacquire, identify, and neutralize moored or proud bottom sea mines.</p> <p>S0066 - C4I funding provided in FY98 and FY99 will purchase upgraded NDI equipment to provide an initial C4I capability at an estimated total cost of \$11M.</p>												

P-1 SHOPPING LIST

CLASSIFICATION:
UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE/LINE ITEM # Airborne Mine Countermeasures SUBHEAD: 73S0 LI:424800					
Program Element for Code B Items: N/A							OTHER RELATED PROGRM ELEMENTS N/A					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY	N/A	A										0
EQUIPMENT COST (In Millions)	N/A	A	\$29.3	\$37.1	\$40.5	\$28.2	\$31.0	\$47.0	\$82.6	\$98.9	N/A	\$395
SPARES COST (In Millions)	N/A	A	\$2.0	\$2.0	\$3.4	\$3.0	\$4.1	\$3.0	\$1.2	\$0.0	N/A	\$19
PROGRAM DESCRIPTION/JUSTIFICATION:												
<p>S0071 - AN/AQS-14A LLSS provides a mine identification deployment contingency capability to significantly increase the speed of mine clearing operations. It involves integration an off-the-shelf SM2000 Lase Line Scanner into the AN/AQS-14A minehunting system.</p> <p>S0072 - Shallow Water Influence Minesweep System (SWIMS) is a magnetic/acoustic influence minesweep system to support shallow water mine clearance in advance of amphibious operations.</p> <p>S0073 - AN/AQS-20X funding provided in FY01 supports initial full rate production. The AN/AQS-20X will provide battle groups with an organic CH-60S compatible minehunting system capable of high speed airborne search, detection, localization, classification and identification of sea mines. The AN/AQS-20X will be effective against bottom, close tethered and volume mines.</p> <p>Estimates include competitive sourcing savings associated with consolidation of production support contracting efforts.</p>												

CLASSIFICATION: UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5							Weapon System N/A			DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMENT							ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures SUBHEAD: 73S0 LI:424800						
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
			FY 1998			FY 1999			FY 2000					
			QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST			
S0020	MODIFICATION <u>N852</u>	A			955			2,026			2,588			
S0061	<u>MK-105 UPGRADE</u> PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING STRUTS - NON-RECURRING STRUTS - RECURRING SUPPORT EQUIPMENT CONVERSION S0061 TOTAL	A	2	4,600	9,200	3	4,300	12,900	2	4,600	9,200	500	1,500	0
					700			381			1,500		0	
					500			400			1,200		1,767	
					400			1,895			2,800		1,200	
					1,895			600			1,200			
					535									
					13,230			17,081			15,367			
S0062	<u>AN/AQS-14A KITS</u> PUBLICATIONS/TECHNICAL DATA COMPONENTS SUPPORT EQUIPMENT PRODUCT SUPPORT RELIABILITY ECPs S0062 TOTAL	A	6	367	2,202	6	360	2,160						
					200									
					380									
					298									
								4,652						
					3,080			6,812			0			
S0063	<u>MAGNETIC CABLE</u> SUPPORT EQUIPMENT PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING S0063 TOTAL	A	12	85	1020	13	85	1,105						
					200			75						
					200			120						
					55									
					1475			1,300			0			
S0072	<u>SWIMS</u> TECHNICAL DATA TRAINING		5	1700	8,500									
					540									
					541									
					9,581									
S0066	<u>C4I UPGRADES</u> NON RECURRING ENGINEERING PRODUCTION SUPPORT LOGISTICS S0066 TOTAL	A	2	385	770	29	170	4,930			0		0	
					220			0			0		0	
					0			3,178			0		0	
					0			1,770			0		0	
					990			9,878			0		0	
TOTAL					29,311			37,097			17,955			

CLASSIFICATION: UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5						Weapon System N/A			DATE: February 1999					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3: NAVY/AVIATION SUPPORT EQUIPMEN						ID Code A	P-1 ITEM NOMENCLATURE/SUBHEAD Airborne Mine Countermeasures SUBHEAD: 73S0 LI:424800							
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS											
			FY 1998			FY 1999			FY 2000					
			QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST			
S0071	<u>N852</u> AN/AQS-14A LLS SUPPORT EQUIPMENT PRODUCTION SUPPORT S0071 TOTAL	A												
S0073	AQS-20/X PRODUCTION SUPPORT S0073 TOTAL							3	6,000	18,000				
											200			
S0065	AMNS EXPENDABLE NEUTRALIZERS SPARES S0065 TOTAL													
										2	1,500	3,000		
										20	45	900		
												400		
												4,300		
TOTAL					29,311							40,455		

CLASSIFICATION:

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System		A. DATE			
					N/A		February 1999			
B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE				SUBHEAD	
Other Procurement, Navy					Airborne Mine Countermeasures				73S0	
BA-3: NAVY/AVIATION SUPPORT EQUIPMENT										
Cost Element/ FISCAL YEAR	QTY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	SPECS AVAILABLE NOW	IF NO WHEN AVAILABLE
FISCAL YEAR (98)										
MK-105 UPGRADE-S0061	2	4600	NAVSEA		SS/FFP	EDO CORP, N. AMITYVILLE, NY	6/98	4/00	NO	
AN/AQS-14A KITS-S0062	6	367	NAVSEA		OPTION	NORTHROP-GRUMMAN,	12/97	6/98	YES	
MAGNETIC CABLE-S0063	12	85	NAVSEA		SS/FFP	COGENT, NEWPORT	4/98	11/98	NO	
C4I UPGRADES - S0066	2	385	NAVSEA		SS/FFP	EDO CORP, N. AMITYVILLE, NY	2/98	3/99	NO	
SWIMS - S0072	5	1700	NAVSEA		SS/FFP	EDO CORP, N. AMITYVILLE, NY	2/99	12/00	YES	
FISCAL YEAR (99)										
MK-105 UPGRADE-S0061	3	4300	NAVSEA		OPTION	EDO CORP, N. AMITYVILLE, NY	11/98	9/00	NO	
AN/AQS-14A KITS-S0062	6	360	NAVSEA		OPTION	NORTHROP-GRUMMAN	11/98	8/99	YES	
MAGNETIC CABLE-S0063	13	85	NAVSEA		OPTION	COGENT, NEWPORT	12/98	4/99	YES	
C4I UPGRADES - S0066	29	170	NAVSEA		SS/FFP	EDO CORP, N. AMITYVILLE, NY	3/99	4/00	NO	
FISCAL YEAR (00)										
MK-105 UPGRADE-S0061	2	4600	NAVSEA		SS/FFP	EDO CORP, N. AMITYVILLE, NY	11/99	9/01	NO	
AMNS - S0065	2	1500	NAVSEA		SS/FFP	TBD	12/99	6/01	NO	
AQS-20/X - S0073	3	6000	NAVSEA		SS/FFP	RAYTHEON, PORTSMOUTH, RI	11/99	7/01	NO	
D. REMARKS										

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999																										
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE																										
OTHER PROCUREMENT, NAVY						N/A		Airborne Mine Countermeasure																										
		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 Upgrade Kits	EDO, N. Amityville, NY					1	6	6	3	9	22		31																					
"									3	1		22	23																					
ITEM / MANUFACTURER	FY	SVC	QTY	DEL	BAL	FISCAL YEAR 1997												BAL																
						CALENDAR YEAR 1997																												
						1996	CALENDAR YEAR 1998																											
						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 UPGRADE KITS	98		2	0	2																													

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999																					
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE																					
OTHER PROCUREMENT, NAVY						N/A		Airborne Mine Countermeasure																					
		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															
SWIMS	EDO CORP					1	6	6	3	3	22	0	25																
	N. AMITYVILLE, NY								0	3	0	22	25																
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1997												B A L											
						CALENDAR YEAR 1997																							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												B A L											
						CALENDAR YEAR 1999																							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G
SWIMS	98		5	0	5																								5
Remarks:																													

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21							DATE February 1999																								
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						Weapon System N/A			P-1 ITEM NOMENCLATURE Airborne Mine Countermeasure																						
						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	TBD					1	6	6	3	3	18	0	21																		
									0	3	0	18	21																		
ITEM / MANUFACTURER													BAL																		
						FISCAL YEAR 2001							FISCAL YEAR 2002					BAL													
						2000		CALENDAR YEAR 2001							CALENDAR YEAR 2002					BAL											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL	
AMNS	00		2	0	2								1						1												0
ITEM / MANUFACTURER													BAL																		
						FISCAL YEAR 2003							FISCAL YEAR 2004					BAL													
						2002		CALENDAR YEAR 2003							CALENDAR YEAR 2004					BAL											
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	BAL	
AMNS																															
Remarks:																															

FY 2000/01 BUDGET PRODUCTION SCHEDULE, P-21								DATE		February 1999																					
APPROPRIATION/BUDGET ACTIVITY						Weapon System		P-1 ITEM NOMENCLATURE																							
OTHER PROCUREMENT, NAVY						N/A		Airborne Mine Countermeasure																							
		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-20X	Raytheon, Portsmouth, RI					1	12	12	3	3	20	0	23																		
									3	3	0	20	23																		
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1997												B A L												
							1996		CALENDAR YEAR 1997						CALENDAR YEAR 1998																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/AQS-20X		00		3	0	3																									3
ITEM / MANUFACTURER		F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												B A L												
							1998		CALENDAR YEAR 1999						CALENDAR YEAR 2000																
							O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
AN/AQS-20X		00		3	0	3															A										3

Remarks:

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE: RECONNAISSANCE ELECTRONIC WARFARE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4					
Program Element for Code B Items:							Other Related Program Elements					
	Prior Years	ID Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$56.2		\$0.7	\$0.9	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$57.8
<p>REWSON: Reconnaissance Electronic Warfare Special Operations Navy</p> <p>This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. 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 Air Wing (nine squadrons) and deployed Carrier Battle Group (CVBG). The CVBG normally consists of the CV/CVN and its support ships.</p> <p>This equipment also supports photographic intelligence that is disseminated from internal and National sources to the Air Wing (CVW) and CVBG. TARPS imagery is often provided to in-theater NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is directly controlled by the Theater Commander.</p> <p>This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlinked from TARPS. The digital suites can be expanded in the future to be used for exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).</p> <p>NOTE: All Y3S4 funds for FY00-05 have been moved to Y3SX (Other Photographic Equipment).</p>												

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: February 1999				
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT							P-1 ITEM NOMENCLATURE Rewson Photographic Equipment - Y3S4					
Procurement Items	ID Code	Prior Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Digital Base Station	A											
Quantity		3	3	3	0	0	0	0	0	0	0	9
Funding		450	465	480	0	0	0	0	0	0	0	1,395
Other Costs		55,784	210	371	0	0	0	0	0	0	0	56,365
Total P-1 Funding		56,234	675	851	0	0	0	0	0	0	0	57,760

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System									DATE: February 1999		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/BA-3 AVIATION SUPPORT EQUIPMENT				ID Code	P-1 ITEM NOMENCLATURE/SUBHEAD REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4										
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000 **			FY 2001		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
S4019	MISC SMALL EQUIPMENT & ECPS	A	2,253			61			112						
S4830	PRODUCTION ENGINEERING & LOGISTICS		1,365			149			259						
S4100	DIGITAL BASE STATION VARIOUS OTHER COSTS, FY 95 & PRIOR	A	450 52,166	3	155	465	3	160	480						
			56,234			675			851			0			0

*The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed in FY 1997 and beyond.

**Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).

UNCLASSIFIED

UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)					Weapon System			A. DATE February 1999		
B. APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY BA-3 AVIATION SUPPORT EQUIPMENT					C. P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4					
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
S4100										
DIGITAL BASE STATION										
FY 1998	3	155	SPAWAR Det., Phil	Apr-98	C/MIPR/FP	Various	Jun-98	Sep-98	YES	N/A
FY 1999	3	160	SPAWAR Det., Phil	Apr-99	C/MIPR/FP	Various	Jun-99	Sep-99	YES	N/A
D. REMARKS Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).										

FY 2000/01 PRESIDENT'S BUDGET PRODUCTION SCHEDULE, P-21						DATE		February 1999						
APPROPRIATION/BUDGET ACTIVITY						Weapon System			P-1 ITEM NOMENCLATURE					
OTHER PROCUREMENT/BA-3 AVIATION SUPPORT EQUIPMENT									REWSOON PHOTOGRAPHIC EQUIP - Y3S4					
		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 Base Station	Various		N/A	N/A	N/A		9 mos	3 mos	3 mos	12 mos	EA			

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1998												FISCAL YEAR 1999													
						1997						CALENDAR YEAR 1998						CALENDAR YEAR 1999						B A L							
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G	S E P	
Digital Base Station	98	N	3	0	3							A				3										A				3	0
Digital Base Station	99	N	3	0	3																										0

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2000												FISCAL YEAR 2001																
						1999						CALENDAR YEAR 2000						CALENDAR YEAR 2001						B A L										
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G	S E P				

Remarks:
Effective FY2000, funding identified under REWSOON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 42420)

CLASSIFICATION:

UNCLASSIFIED

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY - 3 AIRCRAFT PROCUREMENT, NAVY				DATE: February 1999	
P-1 ITEM NOMENCLATURE REWSON PHOTOGRAPHIC EQUIPMENT - Y3S4			Admin Leadtime (after Oct1): 9 mos			Prod Leadtime : 3 mos		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	3	3						
Unit Cost	155	160						
Total Cost	465	480						
Asset Dynamics								
Beginning Asset Position	3	6						
Deliveries from all prior year funding	3							
Deliveries from FY 1999 funding		3						
Deliveries from FY 2000 funding								
Deliveries from FY 2001 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	6	9						
Inventory Objective or Current Authorized Allowance	54	54						
Inventory Objective 54	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 2000 Replacement:	Aircraft: TOAI:			
Assets Rqd For Combat Loads:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	FY 1998 thru XXXXX:	Vehicles Eligible for FY 2001 Replacement:	PAA: TAI			
WRM Rqmt:	FY 1997:	FY 1997:	FY 1997:	Vehicle Augment:	Attrition Res:			
Pipeline:	FY 1996:	FY 1996:	FY 1996:		BAI			
Other: 54	FY 1995:	FY 1995:	FY 1995:		Inactive Inv:			
TOTAL:					Storage:			
Remarks:								
Effective FY2000, funding identified under REWSON PHOTOGRAPHIC EQUIPMENT (BUI 425600) has been moved to OTHER PHOTOGRAPHIC EQUIPMENT (BUI 424200).								
Inventory objective of 54 equals:								
Four digital base stations per ship (4*12=48)			48					
Two digital base stations each for three shore activities (2*3=6)			6					
			54					

P-1 SHOPPING LIST

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$226.9		\$6.7	\$4.2	\$4.2	\$3.0	\$3.0	\$3.1	\$3.2	\$3.3	CONT	CONT
<p>The following items are funded in this line:</p> <ol style="list-style-type: none"> 1. Industrial Facilities Equipment 2. Capital Automated Data Processing Equipment (ADPE) <p>1. Industrial Facilities Equipment This item supports funding of capital costs associated with the Navy's government-owned but contractor-operated Deep Water Test Facility at San Clemente Island.</p> <p>2. Capital ADPE Procurements supporting the NAVAIR organization (NALDA and I/ETMS), which were formerly budgeted and managed under the Computer Acquisition Program (CAP) in FY 1995 and prior are now directly controlled by NAVAIR, effective FY 1996. Details regarding these NAVAIR Capital ADPE projects are provided below:</p> <p>2a. <u>Naval Aviation Logistics Data Analysis (NALDA)</u>: NAVAIR was directed by the CNO to extend NALDA to additional USN and USMC activities, principally the Fleet and to all NAVAIR Team sites. Sufficient automated data processing equipment (ADPE) and accessibility to the NALDA data base is presently not available at most Navy and Marine Corps Fleet level maintenance and repair facilities. The ADPE is necessary to eliminate the current on-going degradation of their capability to make informed decisions affecting material readiness, safety, and resource allocations. NALDA is the aviation logistics and engineering communities corporate integrated logistics support (ILS) data system to accommodate logistics data reporting requirements and performance of critical mission analysis to achieve Affordable Readiness and Total Cost of Ownership decision-making. NALDA provides the following capabilities: (1) a cost-effective, integrated aviation maintenance/logistics data bank; (2) standardized procedures for data access and data analysis techniques; (3) aviation hardware/software/firmware configuration management/tracking capabilities; (4) consolidation of redundant autonomous systems into a single system; (5) standardized, aviation-wide MIS Support; (6) a Logistics Support Analysis Record (LSAR) data system; (7) an accurate configuration management and serial number tracking data system implemented using the CMIS software for aviation weapons systems - the fleet's number one priority to improve readiness and safety of flight; (8) more timely (daily) receipt of fleet AV-3M and configuration data; (9) ability to access centralized fleet-wide, near real-time, operational readiness data from NALDA in accordance with DOD data security regulation; (10) Logistics Management Decision Support System (LMDSS); (11) Technical Data interfaces to JEDMICS and TMPODS; (12) Aircraft Inventory and Readiness Reporting System (AIRRS); (13) Contractor Maintenance and CITIS interfaces; (14) Training and Manpower Logistics data; (15) Total Cost of Ownership; (16) Infrastructure to deploy JLSC MM and JCALS standard systems to the TEAM and Fleet; and (17) Other ILS elements. Information available from the NALDA data bank consists of aviation maintenance, engineering, operational readiness, safety, configuration management, parts life tracking, and other critical logistics data for all naval aircraft, engines, components, support equipment, airborne weapons, and other aviation weapons equipment.</p>												

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$226.9		\$6.7	\$4.2	\$4.2	\$3.0	\$3.1	\$3.1	\$3.2	\$3.3	CONT	CONT
<p>NALDA-con't Funding budgeted in FY 2000 is required to provide the additional hardware, networking, systems and applications software and infrastructure necessary to deploy Total Cost of Ownership and affordable readiness functional capabilities described above to additional TEAM/Fleet activities. NALDA information and tools will enable significant cost reductions in naval aviation logistics, achieving more affordable readiness, eliminating redundant logistics information systems, improving aircraft configuration management and safety of flight, and permitting improved aircraft inventory and life extension management needed to permit recapitalization and modernization.</p> <p>Data reporting requirements for the NALDA system are directed by OPNAV and NAVAIR as defined primarily by the Naval Aviation Maintenance Program (NAMP) manual. Users of the NALDA system are located at all TEAM/Fleet, TYCOMS, Wings, Intermediate Maintenance Activities, and other aviation logistics activities. The NALDA system architecture is compliant with the DISA TAFIM and Common Operating Environment (COE).</p> <p>2b. Interactive/Electronic Technical Manual System (I/ETMS) I/ETMS is a strategy which supports the Automated Library Technical Manual System (ALTMS) and Automated Technical Information System (ATIS), NAVAIR application ATIS (AIR) programs. The objective of the I/ETMS strategy is to provide the capability to receive and use digital technical information in the support of developing and fielding Naval Aviation Weapon Systems and Equipment. I/ETMS is the result of a DOD/DON CALS implementation requirement to eliminate paper technical manuals and provide electronic technical manuals to the aviation maintenance community. The I/ETMS configuration consists of the hardware, software, and network interfaces to support fleet maintenance activity to receive, store, and use electronically presented maintenance technical information.</p>												

UNCLASSIFIED

CLASSIFICATION:

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET P-40							DATE: February 1999					
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 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
QUANTITY												
COST (In Millions)	\$226.9		\$6.7	\$4.2	\$4.2	\$3.0	\$3.1	\$3.1	\$3.2	\$3.3	CONT	CONT
<p>4. NAVAIR Support Equipment (OIS Headquarters SE): Includes investment equipment used in the operation of NAVAIR Headquarters, and NAVAIR Field Activities such as the Naval Air Warfare Center, Training Systems Division, Orlando, FL., the Pacific Missile Range Facilities (PMRF), Hawaii, and the Naval Air Technical Services Facility (NATSF), Philadelphia. Support equipment is evaluated on a cost-effective (lease vs. purchase) basis. The Navair Headquarters Network (NHN) provides an integrated data communications network that extends the capabilities of the Naval Air Systems Command, its Program Executive Offices, and Naval Air Warfare Center Headquarters to support management of aviation design, development, engineering, logistics support, contract and budgetary data. The Standard Procurement System (SPS) 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 SPS. SPS is a DOD-wide standard acquisition automated system which is mandated by OSD. The Workload Planning System (WPS) funding provides for a data repository to maintain corporate workload planning information. WPS will provide valuable feedback on the rate and quality of the command's execution to plan and provide the basis for smart investment decisions when trade-offs in capability and capacity are necessary.</p>												

UNCLASSIFIED

WEAPONS SYSTEM COST ANALYSIS P-5				Weapon System						DATE: February 1998					
APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA-3 Aviation Support Equipment				ID Code		OTHER AVIATION SUPPORT EQUIPMENT 43S7/U3S7/Y3S7									
COST CODE	ELEMENT OF COST	ID Code	TOTAL COST IN THOUSANDS OF DOLLARS												
			Prior Years	FY 1998			FY 1999			FY 2000					
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
S7011	NON OIS- Field Support Equipment		1,498			0			0			0			
	PEO (T) TAMPS		163,307			*			*			*			
S7030	PEO (A) Industrial Facilities Equipment		2,372			181			226			213			
	<u>Capital ADPE</u>														
S7040	NALDA		9,617			5,748			4,020			3,974			
S7060	IETMS		4,934			0			0			0			
S7020	OIS Headquarters SE		44,203			725			0			0			
S7021	OIS Field SE		967			0			0			0			
			226,898			6,654			4,246			4,187			

* IN FY 1997 AND BEYOND TAMPS IS BUDGETED IN OPN BA 2 UNDER P-1 LINE ITEM TAC A/C MISSION PLANNING SYS (TAMPS) DETAILED JUDTIFICATION FOR THE TAMPS PROGRAM IS PROVIDED IN THE OPN BA 2 BACKUP BOOK.

CLASSIFICATION:

UNCLASSIFIED

B. APPROPRIATION/BUDGET ACTIVITY					C. P-1 ITEM NOMENCLATURE			A. DATE		
Budget Procurement History and Planning Exhibit (P-5A)					Weapon System			February 1999		
Other Procurement, Navy BA3 - AVIATION SUPPORT EQUIPMENT					OTHER AVIATION SUPPORT EQUIPMENT			SUBHEAD 43S7/U3S7/Y3S7		
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
S7040- NALDA										
FY 1998	1 Lot	5,748	NAVSUP/SPCC			FDSC*	01/98	01/98	YES	N/A
FY 1999	1 Lot	4,020	NICP/NCTS			InterGraph	02/99	03/99	YES	N/A
FY 2000	1 Lot	3,974	NICP			InterGraph	11/99	01/00	YES	N/A

D. REMARKS
 * FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002.
 ** Quantities reflect complete systems comprised of several components.