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



### JUSTIFICATION OF ESTIMATES FEBRUARY 1999

OTHER PROCUREMENT, NAVY BUDGET ACTIVITY 3

#### Department of the Navy

Exhibit P-1

#### FY 2000/2001 Procurement Program

APPROPRIATION: 1810N Other Procurement, Navy DATE: February 1999 TOA, \$ IN MILLIONS (DOLLARS) -----S LINE ----FY 1998---- ----FY 1999---- FY 2000---- E IDENT FY 2000 NO ITEM NOMENCLATURE CODE UNIT COST QUANTITY COST QUANTITY COST QUANTITY COST C BUDGET ACTIVITY 03: Aviation Support Equipment \_\_\_\_\_\_ Sonobuoys 122 4005 AN/SSQ-36 (BT) Α 2.3 3.0 – U 123 4025 AN/SSQ-53 (DIFAR) 46.7 31.6 TJ 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) 27.9 24.5 17.1 22.7 U 127 4034 AN/SSQ-77 (VLAD) 4.8 U 128 4036 AN/SSQ-101 (ADAR) 16.5 12.8 10.8 U 129 4038 AN/SSQ-110 . 3 – U 130 4045 Signal, Underwater Sound (SUS A 1.3 – U . 1 131 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 35.4 48.7 43.9 U 32.0

\* ITEMS UNDER \$50,000 UNCLASSIFIED

### Department of the Navy

### FY 2000/2001 Procurement Program

APPROPRIATION: 1810N Other Procurement, Navy

DATE: February 1999

Exhibit P-1

			(DOLL 3DG)					MILLIONS			G.
LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 2000 UNIT COST		FY 1998			FY 2000 QUANTITY COST		FY 2001	
136 42	26 Meteorological Equipment	А			17.2		28.4		31.5		31.8 U
137 42	42 Other Photographic Equipm	ent A			.8		.6		1.7		1.7 U
138 42	44 Aviation Life Support	А			11.3		16.5		17.1		16.5 U
139 42	48 Airborne Mine Countermeas	ures A			29.3		37.1		40.5		28.2 U
140 42	55 LAMPS MK III Shipboard Eq	uipm A			.1		-		-		- U
141 42	56 REWSON Photographic Equip	ment A			.7		.9		-		- U
142 42	59 Stock Surveillance Equipm	ent A			1.5		-		-		- U
143 42	65 Other Aviation Support Eq	uipm A			6.7		4.2		4.2		3.0 U
TOTAL	Aviation Support Equipment			-	204.1	_	243.7	_	216.2	-	215.0

### Department of the Navy

### FY 2000/2001 Procurement Program - Reserve Component

Exhibit P-1R

		/	TOA, \$ IN MILLIONS							,
INE	IDENT	(DOLLARS) FY 2000	FY 199				FY 20			-
NO ITEM NOMENCLATURE	CODE	UNIT COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST (
BUDGET ACTIVITY 03: Aviation S	upport Equi	pment								
2 4005 AN/SSQ-36 (BT)(RESERVE)	А			.*		.1		-		_
3 4025 AN/SSQ-53 (DIFAR)(RESER	VE) A			2.5		1.8		-		_
4 4026 Passive Sonobuoys (Non-	Beam F A			-		-		2.0		1.7
5 4032 AN/SSQ-62 (DICASS)(RESE	RVE) A			.7		1.0		1.1		1.1
6 4034 AN/SSQ-77 (VLAD)(RESERV	E) A			-		_		-		.6
7 4045 Signal, Underwater Soun	d (SUS A			-		. 2		-		_
8 4050 Miscellaneous Sonobuoys	Less			-		-		.1		.3
FOTAL Aviation Support Equipme	nt			3.2	_	3.0	=	3.2	=	3.7

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

Budget Plan (amounts for PROCUREMENT actions programed)

Program by activities:   Direct program:     Direct program:     Direct program:					
Program by activities:   Direct programs   100.1011   Ships support equipment   172,750   954,401   858,709   703,500,2011   Ships support equipment   1,095,702   1,629,901   1,849,227   1,531,000,301   Aviations sumport equipment   204,148   243,679   216,237   215,000,301   Aviation support equipment   250,423   715,973   269,481   668,300,301   200,001   200,	Identification code 17-1810-0-1-051				
00.101	Program by activities:				
00.0201   Communications and electronics equipment   1,095,702   1,629,901   1,845,227   1,531,000,00,0301   Aviation support equipment   520,423   715,972   629,418   668,3   0.0501   Civil engineering support equipment   48,370   54,585   67,144   94,0   0.0601   Supply support equipment   54,583   89,537   139,628   180,2   0.0701   Personnel and command support equipment   136,986   74,063   67,598   67,500,0001   Spares and repair parts   219,654   246,506   276,130   180,2   0.0901   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1   0.001   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1   0.001   Total direct program   49,428   42,000   42,000   42,000   42,000   0.001   Total direct program   49,428   42,000   42,000   42,000   42,000   0.001   Total   3,057,044   4,050,915   4,142,091   3,682,1   0.001   Total funds(-)   -1,417   -42,000   -42,0	Direct program:				
204,148   243,679   215,277   215,00.00.0401   Ordnance support equipment   520,423   715,972   629,418   668,3   00.0501   Civil engineering support equipment   548,870   54,856   67,144   94,0   00.0501   Supply support equipment   548,878   89,537   139,628   180,2   00.0701   Personnel and command support equipment   136,986   74,063   67,588   67,508   6	00.0101 Ships support equipment	727,750	954,401	858,709	703,509
00.0301	00.0201 Communications and electronics equipment	1,095,702	1,629,901	1,845,227	1,531,094
00.0501   Civil engineering support equipment   54,583   67,144   94,0     00.0501   Supply support equipment   54,583   89,537   139,628   180,2     00.0701   Personnel and command support equipment   136,986   74,063   67,588   67,5     00.0801   Spares and repair parts   219,654   246,506   276,130   180,2     00.9101   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1     00.9101   Total direct program   49,428   42,000   42,000   42,00     00.0010   Total   3,057,044   4,050,915   4,142,091   3,682,1     Financing:		204,148	243,679	216,237	215,043
00.0501   Civil engineering support equipment   54,583   67,144   94,0     00.0501   Supply support equipment   54,583   89,537   139,628   180,2     00.0701   Personnel and command support equipment   136,986   74,063   67,588   67,5     00.0801   Spares and repair parts   219,654   246,506   276,130   180,2     00.9101   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1     00.9101   Total direct program   49,428   42,000   42,000   42,00     00.0010   Total   3,057,044   4,050,915   4,142,091   3,682,1     Financing:		520.423	715.972	629.418	668.357
10.001   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1		48 370	54 856	67 144	94 062
10.001   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1		54 583	89 537	139 628	180 239
10.001   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1		136 086	74 063	67 508	67 570
10.001   Total direct program   3,007,616   4,008,915   4,100,091   3,640,1		210,500	246 506	276 120	100 270
10.001   Reimbursable program	00.0001 Spares and repair parts	219,034	240,500	276,130	100,279
Financing:     Offsetting collections from:  11.0001    Federal funds(-)	00.9101 Total direct program	3,007,616	4,008,915	4,100,091	3,640,153
Total   Total   3,057,044   4,050,915   4,142,091   3,682,11	01.0101 Reimbursable program				
Offsetting collections from:  11.0001 Federal funds(-)  14.0001 Non-Federal sources(-)  Recovery of prior year obligations Unobligated balance available, start of year:  21.4002 For completion of prior year budget plans 22.14003 Available to finance new budget plans 22.14000 Tunobligated balance available, end of year:  21.4002 For completion of prior year budget plans 22.1001 Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance available, end of year:  26.4000 Available to finance subsequent year budget plans 28.500 Unobligated balance expiring  29.0001 Budget authority  30.0001 Appropriation  Budget authority:  40.0001 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-)  Transferred from other accounts (-)  Table Ta	10.0001 Total				
11.0001   Federal funds(-)	Financing:				
14.0001 Non-Federal sources(-) 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 22.1001 Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 20.101 Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  26.0001 Budget authority  27.0001 Budget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 40.0001 Transferred from other accounts (-) 40.0001 Transferred from other account	Offsetting collections from:				
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 21.4009 Reprograming from/to prior year budget plans 22.1001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  39.0001 Budget authority  Budget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred from other accounts (-)  Transferred from other accounts  17,700 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -28,500 -3,640,1	11.0001 Federal funds(-)	-1,417	-42,000	-42,000	-42,000
Unobligated balance available, start of year:  21.4002 For completion of prior year budget plans 21.4003 Available to finance new budget plans 21.4009 Reprograming from/to prior year budget plans 22.1001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  Budget authority:  Budget authority:  8udget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-)  70.0001 Reduction of prior year budget plans 80.0001 Reduction of prior year budget plans 80.0001 Appropriation rescinded (unob bal) 80.7601 Reduction pursuant to P.L. 105-56 (-), 8035 80.7601 Transferred from other accounts (-) 80.0001 Transferred from other accounts 80.0001 Transferred from other acco	14.0001 Non-Federal sources(-)	-48,011			
Unobligated balance available, start of year:  21.4002 For completion of prior year budget plans 21.4003 Available to finance new budget plans 21.4009 Reprograming from/to prior year budget plans 22.1001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  Budget authority:  Budget authority:  8udget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-)  70.0001 Reduction of prior year budget plans 80.0001 Reduction of prior year budget plans 80.0001 Appropriation rescinded (unob bal) 80.7601 Reduction pursuant to P.L. 105-56 (-), 8035 80.7601 Transferred from other accounts (-) 80.0001 Transferred from other accounts 80.0001 Transferred from other acco	17.0001 Recovery of prior year obligations				
21.4002 For completion of prior year budget plans 21.4003 Available to finance new budget plans 21.4009 Reprograming from/to prior year budget plans 22.4000 Reprograming from/to prior year budget plans 22.1001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  3.028,416 3,980,415 4,100,091 3,640,1  Budget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred from other accounts  Transferred from other accounts  3.30,663 3,500					
21.4003 Available to finance new budget plans					
21.4009 Reprograming from/to prior year budget plans 22.1001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  39.0001 Budget authority  Budget authority:  40.0001 Appropriation Appropriation Appropriation rescinded (unob bal) Appropriation rescinded (unob bal) Appropriation pursuant to P.L. 105-56 (-), 8035 Transferred to other accounts Transferred from other accounts  30,663 3,500  -20,391 11,177 11,177 28,500  28,500  28,500  3,028,416 3,980,415 4,100,091 3,640,1 -28,500  -56,735 -56,735 -56,735 -76,735 -76,735 -76,735 -77,700		-7 700	-28 500		
22.1001 Unobligated balance transferred to other accounts			20,500		
Unobligated balance available, end of year:  24.4002 For completion of prior year budget plans  24.4003 Available to finance subsequent year budget plans  25.0001 Unobligated balance expiring  39.0001 Budget authority  Budget authority:  40.0001 Appropriation  Appropriation rescinded (unob bal)  40.7601 Reduction pursuant to P.L. 105-56 (-), 8035  41.0001 Transferred to other accounts (-)  Transferred from other accounts  28,500  28,500  3,028,416 3,980,415 4,100,091 3,640,1  4,100,091 3,640,1  -28,500  -56,735  -82,017  30,663 3,500					
24.4002 For completion of prior year budget plans 24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  39.0001 Budget authority  Budget authority:  40.0001 Appropriation  Appropriation rescinded (unob bal)  40.7601 Reduction pursuant to P.L. 105-56 (-), 8035  41.0001 Transferred to other accounts (-)  42.0001 Transferred from other accounts  28,500  28,500  3,028,416 3,980,415 4,100,091 3,640,1  -28,500  -28,500  -56,735  -82,017  30,663 3,500		11,177			
24.4003 Available to finance subsequent year budget plans 25.0001 Unobligated balance expiring  39.0001 Budget authority  Budget authority:  40.0001 Appropriation Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-)  Transferred from other accounts  28,500 9,214  3,028,416 3,980,415 4,100,091 3,640,1  4,100,091 3,640,1  -28,500 -56,735 -82,017 -82,017 -82,007					
25.0001 Unobligated balance expiring  9,214  39.0001 Budget authority  Budget authority:  40.0001 Appropriation Appropriation rescinded (unob bal)  40.7601 Reduction pursuant to P.L. 105-56 (-), 8035  41.0001 Transferred to other accounts (-)  42.0001 Transferred from other accounts  9,214  3,028,416 3,980,415 4,100,091 3,640,1  -28,500  -28,500  -56,735  -82,017  42.0001 Transferred from other accounts  3,136,505 4,005,415 4,100,091 3,640,1  -28,500  -82,017  -82,017		20 500			
39.0001 Budget authority:  Budget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-) 42.0001 Transferred from other accounts  3,028,416 3,980,415 4,100,091 3,640,1  -28,500  -28,500  -56,735  -82,017  -82,017  -82,007		•			
39.0001 Budget authority  Budget authority:  40.0001 Appropriation 40.3601 Appropriation rescinded (unob bal) 40.7601 Reduction pursuant to P.L. 105-56 (-), 8035 41.0001 Transferred to other accounts (-) 42.0001 Transferred from other accounts  3,028,416 3,980,415 4,100,091 3,640,1  -28,500  -28,500  -56,735  -56,735  -82,017  -82,017  -82,007	25.0001 Unobligated balance expiring				
Budget authority: 40.0001 Appropriation 3,136,505 4,005,415 4,100,091 3,640,1 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		3,028,416			
40.0001 Appropriation 3,136,505 4,005,415 4,100,091 3,640,1 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					
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	40.0001 Appropriation	3,136,505	4,005,415	4,100,091	3,640,153
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		, , , , , , , , , , , , , , , , , , , ,			, , ,
41.0001 Transferred to other accounts (-) 42.0001 Transferred from other accounts  -82,017 30,663 3,500		-56.735	-,		
42.0001 Transferred from other accounts 30,663 3,500	<u>-</u>	•			
			3.500		
	11.0001 11.001101 11.001101 400041100				
43.0001 Appropriation (adjusted) 3,028,416 3,980,415 4,100,091 3,640,1	43.0001 Appropriation (adjusted)		3,980,415	4,100,091	3,640,153

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

Obligations

Identifi	cation code 17-1810-0-1-051	1998 actual		2000 est.	
P	rogram 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	210,650 612,449	212,051 611,088	664,897
00.0501	Civil engineering support equipment	46.899	46.682	62,833 127,586 76,319	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			3,955,024	
01.0101	Reimbursable program			42,526	
10.0001	Total			3,997,550	
F	inancing:				
	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	Reprograming 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			4,100,091	
	Budget authority:				
40.0001	Appropriation	3,136,505	4,005,415	4,100,091	3,640,153
40.3601	Appropriation rescinded (unob bal)	=,===,=00	-28,500	,,	-,,
40.7601	Reduction pursuant to P.L. 105-56 (-), 8035	-56,735	,-00		
41.0001	Transferred to other accounts (-)	-82,017			
42.0001	Transferred from other accounts		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	Financing Per	Increase (+) or
	FY 1999 Budget	FY 2000 Budget	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. <u>Program Requirements</u>. 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)

<sup>1. &</sup>lt;u>SHIP SUPPORT EQUIPMENT (+\$2,339)</u> - Net increase reflecting (-\$8,300) FY 1998 Congressional recissions and internal reprogrammings (+\$10,639) including (+\$4,606) for Counter Drug Interdiction.

### **Explanation by Budget Activity (Continued)**

(\$ In Thousands)

- 2. <u>COMMUNICATIONS & ELECTRONIC EQUIPMENT (-\$23,820)</u> Net decrease reflecting (-\$2,300) FY 1998 Congressional recission, decrease for economic assumptions (-\$7295), offsets for higher priority Navy programs, (-\$7829), and internal reprogramming actions of (-\$6396).
- 3. <u>AVIATION SUPPORT EQUIPMENT (+\$15,479)</u> Net increase reflecting (+\$17,779) Congressional adjustments, and FY 1998 recisions (-\$2,300).
- 4. ORDNANCE SUPPORT EQUIPMENT (+\$2,514) Net increase reflecting FY 1998 recisions (-\$15,000), and Congressional adjustments (+\$18,514).
- 5. <u>CIVIL ENGINEERING SUPPORT (+\$5,566)</u> Net increase reflecting Congressional adjustments (+\$4,500), and internal realignments (+\$1,566).
- 6. <u>SUPPLY SUPPORT EQUIPMENT (+\$2,691)</u> Net increase reflecting Congressional adjustments (-\$1,279), internal realignments (-\$330), and adjustment for Automated Teller Machines at Sea (+\$4,300).
- 7. <u>PERSONNEL & COMMAND SUPPORT (+\$11,104)</u> Net increase reflecting Congressional adjustments (+\$8,000), economic assumptions (-\$932), and increases for high priority Navy programs including paperless acquisition (+\$4,036).
- 8. <u>SPARES & REPAIR PARTS (+\$3,679)</u> 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	Financing Per	Increase (+) or
	FY 1999 Budget	FY 2000 Budget	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. <u>Program Requirements</u>. 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	Total Program	
	Requirements per	Requirements per	Increase (+) or
	FY 1999 Budget	FY 2000 Budget	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. <u>Communications and Electronics Equipment (+\$99,099)</u> 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. <u>Aviation Support Equipment (-\$1,984)</u> Changes reflect FY 1998 Congressional reductions (-\$9,551), Congressional increases(+\$18,000), and DoN offsets for higher priority programs (-\$6,465).
- 4. <u>Ordnance Support Equipment (+\$41,269)</u> Changes reflect FY 1998 Congressional reductions (-\$7,960), Congressional increases(+\$47,800), and DoN internal realignments (+\$1,429).
- 5. <u>Civil Engineering Support Equipment (-\$15,046)</u> Changes reflect FY 1998 Congressional reductions (-\$7,260), and DoN offsets for higher priority programs (-\$7,786) .
- 6. <u>Supply Support Equipment (-\$19,368)</u> Changes reflect FY 1998 Congressional reductions (-\$27,417), and DoN realignments for Automated Teller Machines at Sea (+\$8,049).
- 7. <u>Personnel and Command Support (+\$8,043)</u> 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).

### **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	TION SHEE	ĒΤ			DATE:			
				P-40						Februar	y 1999	
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NO	MENCLATURE	AN/SSQ-36 (I	BT) SONOBUC	Υ	
<b>OTHER PROCURE</b>	MENT, NA	AVY					PEO(A) PROGRAM NARM#400500					
Program Element for Co	gram Element for Code B Items:				Other Related Program Elements							
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY	2,954		8,822	13,343								
COST (In Millions)	\$71.4	Α	\$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

ITEM NO. 122 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM CO	OST AN	IALYSIS			Weapon Sy	stem						DATE:	
	P-5					AN/SSQ-36							Febru	ary 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLAT	URE/SUBHE	AD				
	Procurement, Navy													
B.A. 3	AVIATION SUPPORT EQUIPMENT		1				PEO(A) P	ROGRAM	NARM #40	00500 SU	BHEAD U	3QG		
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			
		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QG001	AN/SSQ-36 w/SLC*	А	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					

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

ITEM NO. 122 PAGE NO. 2

CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUR	EMENT HIST	ORY AND	PLANNING EXHII	BIT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-36 (BT)		I	February 199	99
B. APPROPRIATION/BUD					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
Other Procuremen										
B.A. 3 - AVIATION	SUPPORT E	QUIPMENT	1	T	PEO(A) PRO	GRAM NARM #400500			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 2,000	238.40 255.26	NSWC CRANE NSWC CRANE		C/FFP C/FFP	HERMES, CANADA SPARTON, FL	**	1/99 11/98	YES 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.

P-1 SHOPPING LIST

ITEM NO.

122

FY 2000/01 BUDGET PRODUC	TION	SCHE	DULE	, P-2	1													DATE				Febr	uary	199	9					
APPROPRIATION/BUDGET AC			_	_										-	-	stem		P-1				NCLA								
OTHER PROCUREMENT,	NAV	Y, B.	.A :	3								AN	/SS	<b>Q-36</b>								)GR/	1 M	<b>IARI</b>	<i>l</i> #40	0500	)			
							Proc	ductio	n Ra	ate					Р	rocu	rem	ent L	.eadt	imes										
			ufactu									AL	_T P	rior	ΑL	_T Af	ter		Initia		-	Reord						Ur	nit of	
Item		Name			n	MS		1-8			AX	to	Oct	t 1		Oct 1	1	M	lfg P	LT	M	1fg Pl	LT		Tota	al		Me	asure	;
AN/SSQ-36B		MES,		DA*		0.25		12		12																		K		
AN/SSQ-36B	SPAF	RTON	, FL			0.25		12		12						3		***	12						15	5				
		1							FISCA	L YEA	AR 19	998										FIS	SCAL	YEAR	1999					$\overline{\Box}$
ITEM / MANUFACTURER	F	S	Q	D	В	19	97						CALE	NDA	R YE	AR 19	98						(	CALEN	DAR Y	EAR 1	999	***************************************		1
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	А	S	В .
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	E	С	0	Е	Α	E	Α	Р	Α	U	U	U	E	A L
						T	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	P	<b>↓</b>
QG001 AN/SSQ-36-HERMES(K)***	94		3.3	0	3.3											ļ					1	1.4	0.9			-			ļ	0
QG001 AN/SSQ-36-SPARTON(K)***	94		2.0	0	2.0		-	-			-		100	4.4					2.0						-	-				
QG001 AN/SSQ-36-SPARTON(K)*** QG001 AN/SSQ-36 SPARTON	95 97		4.6 3.0	0	3.6 3.0					-			1	1.4		-		2.0								-		-	-	0
QG001 AN/SSQ-36 - SPARTON (K)	98		8.8	0	8.8			ļ		-	Α		+			<del> </del>			2.7	2.7		-				+		13	1.3	0
QG001 AN/SSQ-36-NOTSELECTED(K)	99		13.3	0	13.3				-		/·					1		0.0			Α			-			-	+	1.0	13.3
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ITEM / MANUFACTURER	F	S	Q -	D	В	19	T	T	-	T		T	CALE	NDA	R YE	AR 20	00		T				(	CALEN	DAR Y	EAR 2	001			
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QG001 AN/SSQ-36-NOT SELECTED(K)	99		13.3	0	13.3				1 1	11	1 1	1 1	11	11	1.2	1.1	1 1	1 1	1.1	1.1										0
QG001 AN/33Q-30-NO1 3EEECTED(N)	33		13.3		13.3				1.1	'	'.'	1.1	1.1	1.1	1.2	1.1	1.1	1.1	1.1	1.1					-	-	-	+	+	
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	L	<u> </u>	<u> </u>						<u></u>	<u>L</u>	<u> </u>	<u> </u>			<u> </u>	<u> </u>		<u> </u>		<u> </u>		<u> </u>	<u></u>	<u></u>						
***Manufacturers currently require a 12 m					LT). Th	e contra	actuall	y requ	ired le	ad tir	me ha	as be	en ad	juste	d acc	ording	gly. T	his ch	nange	has no	o net	affect	as it l	nas be	en	-	ļ	-		
incorporated into all procurements beginn	ing in F	r -99 an	a peyor	าต.								-	-			-			-					-			1	+	-	-
							-			-	-	<b></b>	+			+			-							-		+	+	
Remarks: * DATECARE DAGER																												<u> </u>		_

\* 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.

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

			BU	DGET ITEN	I JUSTIFICA	ATION SHE	ET				DATE:	
					P-40						<b>FEBRUAR</b>	<b>/</b> 1999
APPROPRIATION/BUD	GET ACTIV	ITY					P-1 ITEM NO	MENCLATURE	AN/SSQ-53 (I	DIFAR) SONO	BUOY	
OTHER PROCURE	MENT, N	AVY						PEO (A	A) PROGRA	M NARM	<b>#402500</b>	
Program Element for Co	ode B Items:						Other Related	Program Elen	nents			
<b>BA3 - AVIATION S</b>	UPPORT	<b>EQUIP</b> I	MENT									
	Prior	ID									То	
	Years*	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			113,714	69,561								
COST (In Millions)	\$1,211.1	Α	\$46.7	\$31.6	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		

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).

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.

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.

The FY99 program provides for 69,561 AN/SSQ-53E Sonobuoys to be competed among qualified manufacturers.

Beginning in FY00 the SSQ-53 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 2,494 1,791 0 0 0 0 0 0

P-1 SHOPPING LIST

ITEM NO. 123 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

454, JUN 86 ITEM NO

CLASSIFICATION: UNCLASSIFIED

## ANSSC-33 (IP)   Production   Production		WEAPONS SYSTE	EM COST	ANALYSIS			Weapon System	า						DATE:	
CODE   ELEMENT OF COST   DID   CODE   PRODUCTION ENGINEERING   PRODUC		F	<b>-</b> -5				AN/SSQ-53 (DIF	FAR) SONO	DBUOY					FEBR	UARY, 1999
COST   ELEMENT OF COST   DID   Code   Prior   Years   FY 1998   FY 1999   FY 2000	Other	Procurement, Navy									500 SUBI	HEAD U30	oc	,	
Code   Years   Total Cost   Quantity   Unit Cost   Cost   Quantity   Qu				TOTAL COST IN TH	HOUSANDS	OF DOLLA									
CC001 AN/SSQ-53 w/SLC*  A 1,061,669 113,714 \$353.47 40,218 69,561 \$405.81 28,229  CC830 PRODUCTION ENGINEERING 66,027 3,858 1,694  CC860 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												FY 2000			
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  CG860 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				Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
ACCEPTANCE TESTING  * 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	QC001	AN/SSQ-53 w/SLC*	А		113,714	\$353.47		69,561	\$405.81	28,229					
*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	QC830	PRODUCTION ENGINEERING		66,027			3,858			1,694					
** 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	QC860	ACCEPTANCE TESTING		83,451			2,668			1,680					
** 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															
** 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															
** 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															
** 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															
*** In addition to hardware, total costs include 23.5K for data packages separately priced.  \$1,211,147 \$46,744 \$31,603		* SONOBUOY LAUNCH CONTAINER													
\$1,211,147 \$46,744 \$31,603		** In addition to hardware, total costs include	e \$6.5M for	i r an ECP and \$386K I	l for other iter	l ns separate l	ly priced such as p	roduction line	e verifications	s, some design a	and/or produ	l uction reading	ess reviews, qu		packages.
		*** In addition to hardware, total costs include	de 23.5K fo	। r data packages sepa	l arately price	d.									
DD FORM 2446, ILIN 86 P-1 SHOPPING LIST CLASSIFICATION:			1				\$46,744			\$31,603					

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION ITEM NO. 123 PAGE NO. 2

**UNCLASSIFIED** 

CLASSIFICATION:

BUDGET PROCURE	MENT HIST	ORY AND	PLANNING EXHIBIT	Γ (P-5A)		Weapon System AN/SSQ-53 (DIFAR)	-	F	ebruary 19	99
B. APPROPRIATION/BUDGE Other Procurement,					C. P-1 ITEM NOM	, ,		ı	SUBHEAD	
<b>BA3 - AVIATION SU</b>	PPORT EQU	IIPMENT			PEO(A) PRO	OGRAM NARM #40	2500		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 6,556 3,717	\$380.83 \$432.58 \$456.85	NSWC CRANE NSWC CRANE NSWC CRANE	10/96 10/96 10/96	C/FFP C/FFP C/FFP	HERMES, CAN SPARTON, FL RAYTHEON, IN	4/97 4/97 5/97	***9/98 ***1/99 ***12/98	YES YES YES	
FY98 **										
AN/SSQ-53 w/SLC	9,880 46,697 57,137	\$395.00 \$353.44 \$346.31	NSWC CRANE NSWC CRANE NSWC CRANE	10/97 10/97 10/97	C/FFP C/FFP C/FFP	HERMES, CAN SPARTON, FL RAYTHEON, IN	2/98 2/98 2/98	****5/99 ****4/99 ****4/99	YES YES 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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 123 PAGE NO. 3

<sup>\*</sup> 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.

<sup>\*\*\*</sup> Time from award to delivery of 15-19 months due to ECP design and qualification testing.

<sup>\*\*\*\*</sup> FY98 deliveries pending FY97 qualification completion.

FY 1998/99 BUDGET PRODUCT	ION S	CHE	DULE,	P-21														DATE				FI	EBR	UAR	Y 19	999				
APPROPRIATION/BUDGET ACT	IVITY	,												eapon							P-1	ITE	ΜN	IOME	NC	LATU	JRE			
OTHER PROCUREMENT,	NAV	Υ											AN/S	SQ-5	3 (DIF	FAR)	SON	OBU	IOY		PE	O(A	) P	ROG	RA	M	NAF	RM#	402	500
							Pro	oducti	on Ra	ate					Proc	urem	ent Le	eadti	mes											
		Ма	nufact	urer's								Α	LT Pr	ior	Α	LT Af	ter		Initia	ıl	R	eorc	ler					U	nit of	
Item		Name	e and L	_ocatio	n	M	SR	1-8	3-5	M	ΑX	t	o Oct	1		Oct 1		M	fg P	LT	M	lfg P	LT		Tota	al		Mε	easur	е
AN/SSQ-53	SPAF	RTON	, FL			0.38	3	28.0		65.0	)*					3			12						15		K			
AN/SSQ-53	USSI	, IN**				0.38	}	32.6		65.0	)*					3			12						15		K			
		,																												
									ISCAL	YEAR	1998											F	SCAL	YEAR	1999	9				
ITEM / MANUFACTURER	F	S	Q	D	В	19	997				,		CALE	NDAR \	YEAR 1	1998						.,	(	CALEN	DAR	YEAR	1999			
	Υ	V	T	E L	A L	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D E	J	F	М	Α	М	J	J	Α	S	B A
			ı	-	L	C	O V	E	A N	E B	A R	P R	A Y	U	U L	U	E P	C T	0 V	E	A N	E B	A R	P R	A Y	U	U	U	E P	Ĺ
QC001 - AN/SSQ-53							•		- 1		1	11		14	_		'	ľ	, v	-	-		'	IX.	'	- 14	-	<del>-</del>	H	
HERMES (K)	97		17.8	0.0	17.8		-										1.2	12	12	12	12	12	12	1.2	1 2	12	12	2.2	24	0.0
SPARTON (K)	97		6.6	0.0	6.6		-		l															1.2						0.0
RAYTHEON (K)	97		3.7	0.0	3.7															0.5		1.2								0.0
QC001- AN/SSQ-53							-																							
HERMES (K)	98		9.9	0.0	9.9					Α													-	4.0		0.8		0.8		5.8
SPARTON (K) RAYTHEON (K)	98 98		46.7 57.1	0.0	46.7 57.1		-			A												-	-	1.0 2.8		5.0	5.0 4.7		5.0 4.7	21.7 32.7
QC001-AN/SSQ-53-NOT SELECTED(K)	99		69.6	0.0	69.6					A											Α			2.0	2.0	4.7	4.7	4.7	4.7	69.6
QCOOT-ANIOSQ-33-NOT GEEECTED(N)	33		03.0	0.0	03.0																							+		03.0
										FI	SCAL	YEAR	2000									FI	SCAL	YEAR	200	1				
ITEM / MANUFACTURER	F	S	Q	D	В	19	999	-					CALE	NDAR \	YEAR 2	2000							(	CALEN	DAR	YEAR :	2001			
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	M	.J	J.	Α	S	0	N	D	J	F	М	Α	М	J	J.	А	S	В
		С	Υ	L	L	C	0	E	Α	E	Α	Р	Α	Ū	Ü	U	E	С	0	Е	Α	E	Α	Р	Α	Ū	Ü	U	E	A L
						Т	V	С	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
QC001- AN/SSQ-53								ļ.,											-			-	-			-				
HERMES (K) SPARTON(K)	98 98		9.9 46.7	4.1	5.8 21.7	0.8	0.8	1.3	1.3	1.6												-			-	-			-	0.0
RAYTHEON(K)	98		57.1	25.0 24.4	32.7	5 4.7	5 4.7	7.6	5 7.6	8.1	-											<del> </del>	-	· · · · · · · · · · · · · · · · · · ·		-		-		0.0
QC001-AN/SSQ-53-NOT SELECTED(K)	99		69.6	0	69.6	4.7	4.7	1.0		1.5	7.3	7.3	7.3	7.3	7.3	7.3	7.3	72	5.1	3.2		-	-					+	-	0.0
2000		***************************************	00.0		- 00.0				1.5	1.0	7.5		7.0	7.0	7.0	7.5	7.5	- · · <u>-</u>	0.1	0.2										0.0
*** Manufacturers currently require a 12 n											ead tir	ne has	been	adjuste	ed acco	rdingly	/													
This change has no net affect as it has be	en inco	rporate	ed into a	II procui	ements l	eginni	ing in I	Y99 a	nd bey	ond.																				
																					ļ	-	-		-			-		
Domarks:																														

#### Remarks:

311 / 244

DD Form 2445, JUL 87 Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 123 PAGE 4

 $<sup>^{\</sup>star}$  IF MOBILIZATION IS FOR MULTIPLE BUOY TYPES THEN THE MAXIMUM QUANTITY SHOULD BE REDUCED BY 33% - 50%.

<sup>\*\*</sup> EFFECTIVE 18 DECEMBER 1998, RAYTHEON HAS BEEN RENAMED UNDERSEA SENSOR SYSTEMS, INCORPORATED, IN.

### **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	TION SHEE	ΕT			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NOI	MENCLATURE	PASSIVE SO	NOBUOYS (N	ON-BEAM FOR	MING)
<b>OTHER PROCUI</b>	REMENT, NA	YVA							PEO(A) P	ROGRAM NAF	RM#402600	
Program Element for	Code B Items:						Other Related	Program Elen	nents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY					27,004	36,921	38,379	44,940	43,277	41,745		
COST (In Millions)		Α	\$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

ITEM NO. 124 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM		IALYSIS			Weapon Sy							DATE:		
	P-5					PASSIVE S								Februa	ry 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM N	OMENCLAT	URE/SUBHE	AD					
	Procurement, Navy														
B.A. 3	AVIATION SUPPORT EQUIPMEN	<u>T</u>	1				PEO(A) P	ROGRAM	NARM #40	)2600 SU	BHEAD U	3QW			
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS									
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			
QW001	HARDWARE AN/SSQ-53 AN/SSQ-57	А				0			0	24,481 2,523	535.46 417.80	<b>14,163</b> 13,109 1,054			
QW830	PRODUCTION ENGINEERING AN/SSQ-53 AN/SSQ-57					0			0			<b>850</b> 787 63	,		
QW860	ACCEPTANCE TESTING AN/SSQ-53 AN/SSQ-57					0 0			0 0			<b>920</b> 851 69			
	1	ı				0			0			\$15,933			

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 124 PAGE NO. 2

**UNCLASSIFIED** 

### CLASSIFICATION: UNCLASSIFIED

BUDGET PROCUREM	ENT HISTO	ORY AND I	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				(. 67.)		Passive (Non-Beam Forming)			ebruary 199	9
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NOM				SUBHEAD	
Other Procurement, N										
B.A. 3 - AVIATION SUF	PPORT EC	UIPMENT				GRAM NARM #402600			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* AN/SSQ-57 (SP)	24,481 2,523	535.46 417.80	NSWC CRANE NSWC CRANE	10/99 10/99	C/FFP C/FFP	NOT SELECTED NOT SELECTED	1/00 1/00	1/01 1/01	YES YES	
*Sonobuoy Launch Container										
D. REMARKS										

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

ITEM NO. PAGE NO. 124 3 Classification:

FY 2000/01 BUDGET PRODU			DULE	, P-21	ı												DATE						/ 199	9					
APPROPRIATION/BUDGET AC				^									Weapo	-		1			NO N										
OTHER PROCUREMENT	, NAV	Υ, Β	.A	3		1					sive I	Non-E	Beam Fo						) (A)		)GR/	AM N	IARI	1 #40	2600	)			
		Mar	nufacti				Pro	ductio	n Ra	ate		Λ1	T Prior		LT A		ent L	eadt Initia			eord	la.				1	1.1.	nit of	
Item			and L		m	MS	:P	1-8	2-5	NA	AX		Oct 1		Oct			Ifg P			lfg P			Tota				asure	<u>.</u>
AN/SSQ-53			CANA		<u>'11</u>	0.25		12		12	/ //		000		Oct		101	iig i	<u>- '                                   </u>	10	iig i			1010			IVIC	K	
7.1.7, 00 0, 00	SPAF					0.25		12		12					3			12						15				K	
AN/SSQ-57	TBD					TBD		TBD		TBI	<u> </u>			<u> </u>	3			12						15				K	
							FISCAL YEAR 1998  1997 CALENDAR YEAR 1998										FIS	SCAL	YEAR	1999									
ITEM / MANUFACTURER	F	S	Q	D	В	199										1	T		1	1	CALEN	DAR Y	EAR 1	999		т	. в		
	Y	C C	T Y	E L	A L	O C T	N O V	D E	J A	F	M A	A P	M J A U	Ŋ	A U	S	O C T	N O V	D E	J A	F E	M A	A P	M A Y	J	J	A U	S E P	A L
						'	V	С	N	В	R	R	YN	L	G	P	<u> </u>	V	С	N	В	R	R	Y	N	L	G	P	
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														_	-											-	-		
										ISCA	I VEA	D 200	20								EIS	SCAL .	YEAR	2001		_			
ITEM / MANUFACTURER	F	s	Q	D	В	199	99		Γ΄	1004	LILA		CALENDA	R YE	AR 20	100	J			Ī	1 1		CALEN		EAR 2	001			
	Υ	V	T	E	A	0	N	D	J	F	М	Α	M J	J	А	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Y	L	L	C T	0 V	E C	A N	E B	A R	P R	A U Y N	U	U	E P	C T	0 V	E C	A N	E B	A R	P R	A	U	U	U G	E P	A L
																	***************************************												
AN/SSQ-53 - NOT SELECTED (K)	00		24.5	0	24.5				A	ļ					-	-				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				Α					-	-	-				0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.7
	***************************************																												
														1	-											1			$\vdash$
Remarks:	•												*																

FY 2000/01 BUDGET PRODUC			DULE	E, P-21														DATE			F	ebru	uary	199	9					
APPROPRIATION/BUDGET AC													Wea	apon	Sys	stem	)	P-1	ITE	ΜN	ОМІ	ENC	LAT	URE	Ξ					
OTHER PROCUREMENT,	NAV	Υ										Pass	sive N	lon-B	eam	Form	ing		PEO(	(A) F	PROC	GRAN.	1 NA	RM:	#4026	300				
							Pro	ductio	n Ra	ate				F	Proc	urer	nent	Lea	adtim	ies										
		Man	nufactu	ırer's								AL	T Pı	rior	AL	T At	ter		nitia		R	eord	er					Un	it of	
Item	1	Name	and L	ocatio	n	MS	R	1-8	-5	M	ΑX	to	Oct	1	(	Oct '	1	Mt	g PL	Т		fg Pl		-	Tota	ı		Mea	sure	<u>.</u>
AN/SSQ-53	HERI	MES.	CANA	DA*		0.25		12		12																		K		
		RTON				0.25		12		12						3			12						15			K		
			,			-																				$\neg$				
AN/SSQ-57	TBD					TBD		TBD		TBE	)					3			12						15	$\neg$		K		
	1																									$\dashv$				
																										$\neg$				
									FISC	AL YE	AR 2	002										FISC	AL YI	EAR 2	2003					
ITEM / MANUFACTURER	F	S	Q	D	В	20	001					(	CALEN	NDAR	YEAF	R 200	2						CAI	_END/	AR YE	:AR 2	:003			l
	Υ	V	Т											J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	B A
		С	Υ	Y L C O E A E A								Р	A	U	U	U	Е	С	0	E	A	E	Α	Р	A	U	U	U	Е	Ĺ
					T V C N B R R							ĸ	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	<u> </u>
AN/SSQ-53 - NOT SELECTED (K)	00		24.5	18.0	6.5	2.0	2.0	2.5																				-		0
11/33Q-33 - NOT SELECTED (N)	- 00	•	24.5	10.0	0.5	5 2.0 2.0 2.5																					ļ	-		
																														İ
AN/SSQ-57 - NOT SELECTED (K)	00		2.5	1.8	0.7	0.3	0.2	0.2																						0
																														l
																											<b> </b>	-		ļ
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									F	ISCA	I YFA	R 20	04									FISC	AI YI	EAR 2	2005					
ITEM / MANUFACTURER	F	S	Q	D	В	20	003		I				CALEN	NDAR	YEAF	R 200	4							_END/		AR 2	:005			i
	Υ	V	Т	E	Α	0	N	D	J	F	М	Α	М	.J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	С	0	Е	Α	E	Α	Р	Α	Ü	Ü	U	Е	С	0	Е	Α	E	Α	Р	Α	Ü	U	U	Е	A L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	T	V	С	N	В	R	R	Υ	N	L	G	Р	Ь
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### **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	ATION SHEE	ĒΤ				DATE:		
				P-4	10					Fe	bruary 1999	9
APPROPRIATION/E	BUDGET ACTIVI	TY					P-1 ITEM NOI	MENCLATURE	AN/SSQ-57 (	SP)		
OTHER PROCU	REMENT, NA	ΑVY							PEO (A) I	PROGRAM NARI	м #403000	
Program Element fo	r Code B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			0	679								
COST (In Millions)	\$57.9	Α	\$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 determinating 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

P-1 SHOPPING LIST

ITEM NO. 125 PAGE NO. 1 CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM (	COST AN	IALYSIS			Weapon Sy							DATE:	
	P-5						(SP) SONO						FEI	B 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLAT	JRE/SUBHEA	.D				
Other	Procurement, Navy													
B.A. 3	- AVIATION SUPPORT EQUIPMENT	Γ					PEO(A) PI	ROGRAM	<b>NARM #40</b>	03000 SU	BHEAD U	3QS		
			TOTAL COS	T IN THOUS	SANDS OF I	DOLLARS								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QS 001	AN/SSQ-57 w/SLC*	A	50,654				679	570.00	2,387					
Q0 001	ECP for changing threat acoustic signature modification.		30,034			434		370.00	2,307					
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					

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

ITEM NO. 125 PAGE NO. 2 **UNCLASSIFIED** 

### **UNCLASSIFIED**

<b>BUDGET PROCURE</b>	MENT HIST	ORY AND	PLANNING EXHIBI	IT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-57 (SP) SONOBUOY		February	1999	
B. APPROPRIATION/BUDGI Other Procurement,	Navy				C. P-1 ITEM NOM				SUBHEAD U3QS	
B.A.3 AVIATION S	UPPORT EC	QUIPMENT				GRAM NARM #403000	0			
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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 125 PAGE NO. 3

<sup>\*</sup> The P-5A exhibit depicts only hardware quantities and unit costs. In addition to hardware, total costs include \$2M for ECP.

FY 1998/99 BUDGET PRODU APPROPRIATION/BUDGET A OTHER PROCUREMEN	CTIVIT	Y			?1									apon			SON	DATE			P-1		I NOI	MEN			#403	8000		
	- <b>,</b>						Pro	oduct	ion R	ate									dtime	s		(-,		T						
Item			nufact and L	urer's -ocatio			SR	1-	8-5	M	AX		LT Pr o Oct			LT Af Oct 1			Initia Ifg Pl	_T		Reord Ifg P			Tota			_	nit of asure	
AN/SSQ-57	TBD					TBD		TBD		TBD	)					3			* 12						15		K		<u> </u>	
									FISCAL	L YEAR	1998	3										FI		YEAR '						
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C	997 N O	D E	J A	F E	M A	A P	M A	J U	J	A U	S E	0 C	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U	S E	 В А
						T	V	С	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	╆
AN/SSQ-57 - NOT SELECTED (K)	99		0.7	0.0	0.7																Α									0.7
																												-		
									·	FISC	CAL Y	EAR 2									·	FI		YEAR 2						_
ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	0 C T	999 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	0 C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J	J U L	A U G	S E P	B A L
																												-		
AN/SSQ-57 - NOT SELECTED (K)	99		0.7	0.0	0.7				0.3	0.4																				0.0
																												+	+	
																												_		
											-						-								-			$\pm$	$\vdash$	

Exhibit P-21 Production Schedule

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.

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

311/244 ITEM NO 125 PAGE 4

### **UNCLASSIFIED**

		BUI	OGET ITEM	JUSTIFICA	ATION SHEE	ĒΤ			DATE:			
				P-40						Februa	ary 1999	
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE		AN/SSQ-62 (	DICASS) SONO	BUOY
OTHER PROCU	REMENT, NA	<b>AVY</b>						PEO(A)	PROGRAM NA	ARM: #4032	00 SUBHEAD:	U3QF
Program Element for	Code B Items:						Other Related	Program Elem	nents			
B.A. 3 - AVIATIO	N SUPPOR	T EQUIF	MENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

ITEM NO. 126 PAGE NO. 1 CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

	WEAPONS SYSTEM C	OST A	NALYSIS			Weapon Sy	stem							DATE:	
	P-5					AN/SSQ-62	(DICASS) S	SONOBUOY	′					FEBRU/	ARY 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	DMENCLATU	RE/SUBHEAD	)					
	Procurement, Navy														
B.A. 3	- AVIATION SUPPORT EQUIPMENT	-	_				PEO(A) P	ROGRAM	NARM #40	3200 SUB	HEAD U3	QF			
			TOTAL COST	IN THOUS	ANDS OF D	OLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000				
		0000	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
QF001	AN/SSQ-62 w/ SLC*	А	** *** 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												
	NOBUOY LAUNCH CONTAINER														
	e FY97 & FY98 programs include funding for sil														
*** In	addition to hardware, total costs include other it	tems sep	parately priced s	such as prod I	luction line v 	erifications, so	me design a	nd/or producti I	ion readiness	reviews, qu	alification cos	sts and data pa	ackages I		
**** FY9	8 program includes \$1.8M for costs associated	with tran	nsition to Therm	al Battery.											
	1		\$527,185			27,860			24,513			17,111			
DD FOR	M 2446, JUN 86	P-1 SH	IOPPING LIST									CLASSIFICA	TION:		

DD FORM 2446, JUN 86 P-1 SHOPPING LIST ITEM NO. PAGE NO.

### **UNCLASSIFIED**

BUDGET PROCUREMEN	IT HISTORY	AND PLANNIN	NG EXHIBIT (P-5A)			Weapon System		A. DATE		
						AN/SSQ-62 (DICASS) SONOBU	OY		FEBRU	ARY 1999
B. APPROPRIATION/BUDGET ACT Other Procurement, Nav					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
<b>B. A. 3 - AVIATION SUPP</b>	ORT EQUIP	MENT			PEO(A) PRO	OGRAM				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* AN/SSQ-62D w/SLC* The FY97 program includes \$	19,183 3,593 8.1M for an AN/S	\$873.60 \$1,135.21 SQ-62E ECP.	NSWC CRANE NSWC CRANE	10/96 10/96	C/FFP C/FFP	SPARTON, FL RAYTHEON, IN	4/97 4/97	5/98 5/99	YES YES	
FY98										
AN/SSQ-62E w/SLC*	21,461 3,000	\$918.06 \$1,448.06	NSWC CRANE NSWC CRANE	10/97 10/97	C/FFP C/FFP	RAYTHEON, IN SPARTON, FL	2/98 2/98	* 8/99 * 6/99	YES YES	
The FY98 program includes \$	1 '	. ,								
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

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.

The P-5A exhibit depicts only hardware quantities and unit costs.

\* 14-16 months from award to first delivery due to AN/SSQ-62E ECP design and qualification testing.

P-1 SHOPPING LIST ITEM NO.

	FY 1998/99 BUDGET PRODUC			DULE	, P-2	1													DATE	=	FE	BRU	IAR'	Y 19	99						
Production Rate													V	Veap	oon	Syst	tem		P-1	ITE	ΜN	ЮM	ENC	CLA	ΓUR	Е					
Item	OTHER PROCUREMENT,	NAV	YY										AN/SS	Q-62	(DIC	ASS)			PEO	(A) F	PROC	GRAN	ΛNA	RM:	#403	200					
Item								Pro	ductio	on Ra	ate				I	Proc	urer	nent	Lea	adtin	nes										L. Carlotte
INSSQ-62 USSI, IN			Man	nufactu	ırer's								AL	Γ Pri	or	AL	T Af	fter	I	nitia	I	R	eord	der					U	nit o	•
INSSQ-62 USSI, IN	Item	r	Name	and L	ocatio	n	MS	SR	1-8	8-5	MA	XΑ	to	Oct	1	۱ (	Oct 1	1	l м	fa P	LT	М	lfa P	LT		Tota	al		Me	เลรน	e
SPARTON, FL  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)  (Calendar Year 1999)  (CALENDAR YEAR 1999)  (CALENDAR YEAR 1998)  (CALENDAR YEAR 1999)  (				<u> </u>										<del>•••</del>	•								· 9 ·					K		<u></u>	
(Effective 18 December 1998, Raytheon has been renamed Undersea Sensor Systems Incorporated, IN)    ITEM/MANUFACTURER	7117000 02			FI																											
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TIEM / MANUFACTURER		/E#a	otivo 1	0 Doo	ombo	r 1000	Dov.	thoo	n has	. hoo	n ron		مطالم	doro	00.0	l l	- C	`\ coto		lnaa	rn 0 r	otos	J INI	١				-			
ITEM / MANUFACTURER    F		(Elle	cuve i	o Dec	еппре	1 1990	o, Kay	tneo	n nas	bee	nren	iam	ea on	uers	ea s	Sens	501 5	ysie	IIIS	IIICO	грог	alec	ı, iiv	)							
ITEM / MANUFACTURER  F S Q D B A C V T T E A A C O N D B A C C V T C V C N B R R R R R R R R R R R R R R R R R R																															
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N/SSQ-62 - SPARTON (K) 94 13.3 8.2 5.1 1.7 1.6 1.1 0.7		Υ			Ε.		0		E .	J	1 1	М	Α	М	J	J					1	J		М	Α	М	J			S	
N/SSQ-62 - SPARTON (K) 94 13.3 8.2 5.1 1.7 1.6 1.1 0.7 1.6 1.1 0.7 1.4 0.0 1.4			C	Y	L	L L	_								_	_											-	_	1 -		
N/SSQ-62 - SPARTON (K)							Т					R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	P	
N/SSQ-62 - SPARTON (K) ** 97	. ,					_		1.7	1.6	1.1	<del></del>			-									ļ	-		-					
RAYTHEON (K) ** 97 3.6 0.0 3.6 0.0 3.6 0.0 3.6 0.0 0.0 3.6 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	` /							-	-			1.4		0.4	4 =									-		-	-		-	<del> </del>	
N/SSQ-62 - SPARTON (K) ** 98 3.0 0.0 3.0	` /	_						-			-			3.4	1./	1./	1.7	1./	1./	1./	1./	1./	2.2	-		1	100		-	-	
N/SSQ-62 - RAYTHEON (K) ** 98								-	-		Λ			-									-	-		0.9					
N/SSQ-62 - NOT SELECTED (K)  99  19.4  0.0  0.0  0.0  0.0  0.0  0.0  0.0										<b>-</b>				-									-	-	ł	-	0.3	0.3			
TITEM / MANUFACTURER  F S Q D B T CALENDAR YEAR 2000  CALENDAR YEAR 2000  CALENDAR YEAR 2001  CALENDAR YEA							***************************************	<del> </del>	-		+^			-								Α	+			-	+	-	2.0	2.0	
TEM/MANUFACTURER	` '		Q-62F I		0.0	10.4																					+		+	+-	13.4
ITEM / MANUFACTURER	The first program morades \$7.200 for an	1	I	I .						-																	-		-	+	
ITEM / MANUFACTURER			Ì	Ï						_	FISCA	l YF	AR 200	0								_	FIS	CAL Y	/FAR	2001					
Y V T Y E L A L O N D J F M A D J J A S O N D J F M A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U E C O E A E A P A U U U U U U U U U U U U U U U U U	ITEM / MANUFACTURER	F	S	O	D	В	10	aa		1					MR Υ	ΈΔR	2000					1					FΔR 1	 2001			
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N/SSQ-62 - SPARTON (K) ** 98 21.5 5.6 15.9 2.8 2.8 2.8 2.6 2.6 2.3					L										J	IJ								1			J				
N/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 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0																															L
N/SSQ-62 - RAYTHEON (K) ** 98 21.5 5.6 15.9 2.8 2.8 2.8 2.6 2.6 2.3																													$\top$	$\overline{}$	
N/SSQ-62 - NOT SELECTED (K) 99 19.4 0.0 19.4 0.3 0.3 0.3 0.3 2.0 2.0 2.0 2.1 2.1 2.1 2.1 2.1 0.0 0.0	AN/SSQ-62 - SPARTON (K) **	98				1.8	0.3	0.3		0.3	0.3	0.3																			0.0
	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
N/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 2.8	AN/SSQ-62 - NOT SELECTED (K)	99		19.4	0.0	19.4		ļ	-	0.3	0.3	0.3	2.0	2.0	2.0	2.0	2.1	2.1	2.1	2.1	2.1		ļ		ļ	-	-		-		0.0
N/SSQ-02 - NOT SELECTED (K) 00 11.8 A 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 2.8	ANI/SSO 62 NOT SELECTED (I/)			11.0	0.0	11.0					-			-			ļ					1.0	1.0	1.0	1.0	110	10	1 1 1	1 1 0	1.0	2.0
	AIN/SSQ-02 - NOT SELECTED (K)	00		11.8	0.0	11.8		-		А	+							-				1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	۷.۵
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			1																						1			1	+	+	

#### Remarks:

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

311 / 244 ITEM NO 126 PAGE 4 Exhibit P-21 Production Schedule

<sup>\*</sup> 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 PRODU			DULE	E, P-2	<u> </u>													DATE						199						
APPROPRIATION/BUDGET AC								apon				P-1	ITE	ΜN	OMI	ENC	LAT	URI	Ε											
OTHER PROCUREMENT	, NAV	Υ											AN/S	SSQ-6					PEO(		PROC	GRAN	/ NA	RM:	#403	200				
							Pro	ductio	n Ra	ate					Pro	cure	mer	nt Le	adtir	nes										
		Mar	ufactu	ırer's								AL	T Pr	rior	AL	T At	ter	I	nitia		R	eord	er					Uni	t of	
Item		Name	and L	ocatio	n	MS	SR.	1-8	-5	MA	٩X	to	Oct	:1	(	Oct '	1	Mf	g PL	_T	M	fg P	LT	-	Tota	J	l	Mea	sure	;
AN/SSQ-62	USSI	l, IN				0.25		2.6		8.0*	t .					3			12						15		K			
	SPA	RTON	. FL			0.25		8.0		8.0*	t					3			12						15		K			
			,																											
							-		FISC	AL YE	ΔR 2	002										FISC	:ΔΙ Υ	EAR 2	2003					
ITEM / MANUFACTURER	F	S Q D B 2001									, u \ Z'		:AI =N	NDAR	ΥΕΔΕ	300	2					. 100				EAR 2	003			
TIEM / IM WOT / OTORER	Y	V	T	E	A	0	N	D	J	F	М	Α	M	IDAN	ILAI	1	S	0	N	D		F	М	A	M			Α	S	В
		С	Υ	L	L	C	0	E	A	E	A	P	A	U	U	A U	E	C	O	E	J A	E	A	P	A	U	J	U	E	A
						Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Υ	N	L	G	Р	_
AN/SSQ-62 - NOT SELECTED (K)	00		11.8	9.8	2.8	8 1 0.9 0.9																				ļ			0.0	
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																												$\vdash$		
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									F	ISCAL	L YEA	R 20	04									FISC	AL Y	EAR 2	2005					
ITEM / MANUFACTURER	F	S	Q	D	В	20	003					(	CALEN	IDAR	YEAF	R 200	4						CA	LEND	AR YE	AR 2	005			
	Υ	V C	T Y	E	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	B A
		C	Y	L	L	C	0 V	E C	A	E	A	P R	A	U	U	U	E P	C T	0	E C	A	E	A	Р	A	U	U	U	E P	L
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Remarks:																														—
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DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 126 PAGE 5

## **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	ATION SHE	ET			DATE:			
				P-40							February	y 1999
APPROPRIATION/BI	UDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR	AN/SSQ-101	(ADAR)		
OTHER PROCUE	REMENT, N	AVY						PEO (A	A) PROGR <i>A</i>	M NARM	#403600	
Program Element for	Code B Items:						Other Related	Program Eler	nents			
Transitioning fro	om R&D PR	OGRAN	I ELEMENT	0604261N	in FY 99							
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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	

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

The FY99 program provides for 3,764 AN/SSQ-101's to be competed among qualified manufacturers.

The FY00 program provides for 3,229 AN/SSQ-101's to be competed among qualified manufacturers.

THERE IS NO RESERVE REQUIREMENT FOR THE SSQ-101.

P-1 SHOPPING LIST

ITEM NO. 128

PAGE NO. 1

CLASSIFICATION:

	WEAPONS SYSTEM		ALYSIS			Weapon Sy							DATE:	
	P-5						1 (ADAR) SC						Februar	ry 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	RE/SUBHEAD					
	Procurement, Navy													
BA3 - A	AVIATION SUPPORT EQUIPMENT						PEO(A) PF	ROGRAM	NARM #403	8600 SUB	HEAD U30	ΣT		
			TOTAL COST	IN THOUS	ANDS OF DO	OLLARS								
COST	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		
QT001	AN/SSQ-101 w/SLC*	В					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		

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

ITEM NO. 128 PAGE NO. 2

**UNCLASSIFIED** 

<b>BUDGET PROCURE</b>	EMENT HIST	ORY AND	PLANNING EXHIB	IT (P-5A)		Weapon System		A. DATE		
						AN/SSQ-101 (ADAR) SONOBU	OY		February 19	99
B. APPROPRIATION/BUDG	ET ACTIVITY				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
<b>Other Procurement</b>	, Navy									U3QT
<b>BA3 - AVIATION SU</b>	PPORT EQU	JIPMENT			PEO(A) PRO	<b>OGRAM NARM 403600</b>				
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

Classification: P-1 SHOPPING LIST 128 DD Form 2446-1, JUL 87

> **UNCLASSIFIED** PAGE NO. 3

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311 / 244

FY 2000/01 BUDGET PRODUC			DULI	E, P-2	1													DAT	E		F	ebr	uary	/ 19	99					
APPROPRIATION/BUDGET AC														•	Sys		)	P-1	ITE											
OTHER PROCUREMENT	, NA	/Y										AN/	SSQ-		ADA						PR	OGI	RAN	1 NA	RM	403	3600			
	_						Pro	duct	tion	Rate	)								adtin		_						_			
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AN/SSQ-101 (ADAR)	IBD						IBD		IBD		IBD					3			12						10	)			K	
ITEM / MANUFACTURER	F	S	Q	D	В		2001		F	ISCA	L YEA			IDAP	YEAF	200	2					FISC	CAL Y			EAR :	2003			
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		С	Y	L	L	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A	U	U L	U	E P	A L
AN/SSQ-101 - NOT SELECTED (K)	00		3.2	2.6	0.6	0.2	0.2	0.2																						0
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ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		2003			I _	١				YEAF				١	_		I _	1		1	EAR :	1	Τ.		В
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## **UNCLASSIFIED**

	BU	DGET ITEM	JUSTIFICA	TION SHEE	T			DATE:			
			P-40						F	ebruary 199	99
SET ACTIVIT	Υ					P-1 ITEM NO	MENCLATURE	SIGNAL, UND	ERWATER SO	OUND (SUS)	
MENT, NA	VY							PEO(A) E	ROGRAM NAF	RM#404500	
de B Items:						Other Related	Program Elem	ents			
Prior	ID									То	
Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
4,164		0	5,573	0							
¢22.0		<b>¢</b> 0.1	¢1 2	¢0.0	<b>\$0.0</b>	\$0.0	¢0.0	\$0.0	¢0.0		
V	MENT, NA de B Items:  Prior Years	Prior ID Code 4,164	MENT, NAVY de B Items:  Prior ID Code FY 1998  4,164 0	## Prior	Prior	Prior	P-1   ITEM NON   P-1   ITEM NON	P-1   ITEM NOMENCLATURE	P-1 ITEM NOMENCLATURE <b>SIGNAL, UND</b> MENT, NAVY  de B Items:  Other Related Program Elements  Prior ID Years Code FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004  4,164 0 5,573 0	P-1   ITEM NOMENCLATURE   SIGNAL, UNDERWATER SOME	P-1   ITEM NOMENCLATURE   SIGNAL, UNDERWATER SOUND (SUS)

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.

Beginning in FY00 the SUS budget line will be combined under a new line - 405000 Miscellaneous Sonobuoys Less Than \$5M.

RESERVE FUNDING INCLUDED IN TOTAL (\$000)

FY 98 FY 99 FY 00 FY 01 FY 02 FY 03 FY 04 FY 05 0 194 0 0 0 0 0 0 0

P-1 SHOPPING LIST

ITEM NO. 130 PAGE NO. 1

CLASSIFICATION:

	WEAPONS SYSTEM CO	OST ANA	ALYSIS			Weapon Sys	stem						DATE:	
	P-5						DERWATER						February	1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	RE/SUBHEAD					
	Procurement, Navy													
B.A. 3 ·	AVIATION SUPPORT EQUIPMENT						PEO(A) PR	OGRAM N	IARM #404	500 SUBH	EAD U3Q	H		
			TOTAL COST	IN THOUS	ANDS OF DO	OLLARS								
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000			
CODE		Code	Years											
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
QH003	SUS MK 84	А	20,357				5,573	204.42	1,139					
ZUUUS	303 WIK 64	_ ^	20,337				5,575	204.42	1,139					
QH830	PRODUCTION ENGINEERING		1,728			109			78					
QI 1030	PRODUCTION ENGINEERING		1,720			109			70					
QH860	ACCEPTANCE TESTING													
Q1 1000	ACCEL TANCE LEGITING		1,732						80					
	Marke HIN oc		23,817			109			1,297			CLASSIFICA:		

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

 ITEM NO.
 130
 PAGE NO.
 2

# **UNCLASSIFIED**

<b>BUDGET PROCURE</b>	MENT HISTO	ORY AND F	PLANNING EXHIBIT	Г (Р-5А)		Weapon System		A. DATE		
						SUS MK 84			Februa	ry 1999
B. APPROPRIATION/BUDG					C. P-1 ITEM NON	MENCLATURE			SUBHEAD	
Other Procurement,										U3QH
B.A. 3 - AVIATION S	SUPPORT EQ	UIPMENT		<u> </u>		GRAM NARM 404500				
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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 130 Classification:

<sup>\*</sup> 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.

FY 2000/01 BUDGET PRODUCT															DATE	=			Feb	orua	ary 1	999								
APPROPRIATION/BUDGET ACT															Sys							ENC								
OTHER PROCUREMENT,	NA۱	/Y												SUS	S MI					` '		OGF	RAN	1 NA	RM	404	500			
							Pro	duct	ion l	Rate	<del>)</del>							nt Le	adtir	nes										
			ufactu										T Pi			T A			nitia			eord						Un	it of	
Item		Name	and L	ocatio	n		SR		8-5		AX	to	Oct	: 1	(	Oct '	1	M	fg Pl	_T	М	fg Pl	LT		Tota			Mea	sur	Э
SUS MK 84	SPAF	RTON				TBI	)	TBE	)	TBI	)					3			* 12						15			K		
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									F	ISCAI	L YEA	R 19	98									FISC	CAL Y	EAR	1999		<b></b>			
ITEM / MANUFACTURER	F	S	Q	D	В		1997						ALEN	IDAR	YEAF	199	8	_					CA	LEND	AR Y	EAR 1	999			
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			'	_	_	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
QH003-SUS MK84-NOT SELECTED(K)	97		4.2	0	4.2	1.4	_ ,		-		2.8		-	.,	_		' '	Ė	•	Ť	- '			H`	<u>'</u>		H		$\dot{m{m{ o}}}$	0
QH003-SUS MK84-NOT SELECTED(K)	99		5.6	0	5.6						2.0										Α									5.6
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ITEM / MANUFACTURER	F	S	Q	D	В		1999			1			CALEN	IDAR	YEAF	200	0						CA	LEND	AR Y	EAR 2	2001			ь
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			•	_		C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	L
QH003-SUS MK84-NOT SELECTED(K)	99		5.6	0	5.6			-		0.4									0.5								<del>                                     </del>		$\vdash$	0
Damadia																								1			<u> </u>		ш	Щ

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.

DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 130 PAGE 4

## **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	<b>ATION SHEE</b>	ĒΤ			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/BU	JDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURI	Miscellaneo	us Sonobuoy	s Less Than \$5I	М
OTHER PROCUR	REMENT, NA	ΑVY							PEO(A) P	ROGRAM NAI	RM#405000	
Program Element for 0	Code B Items:						Other Related	Program Eler	nents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY					8,832	12,442	6,484	13,331	13,037	12,709		
COST (In Millions)		Α	\$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

ITEM NO. 131 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** CLASSIFICATION:

	WEAPONS SYSTEM	COST AN	IALYSIS			Weapon Sy							DATE:	
	P-{	5				Misc Sonob							February 1	1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLATI	JRE/SUBHE	AD				
Other P	Procurement, Navy													
B.A. 3 -	<b>AVIATION SUPPORT EQUIPMEN</b>	١T					PEO(A) P	ROGRAM	NARM #40	5000 SU	BHEAD U	3QV		
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS								
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000			
0022			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	А				0 0			0 0 0	8,832	220.72	<b>1,949</b> 1,949 0		
QV830	PRODUCTION ENGINEERING AN/SSQ-36 SUS MK 84 Hydrostatic Fuse					0 0 0			0 0 0			117 117 0 0		
QV860	ACCEPTANCE TESTING AN/SSQ-36 SUS MK84 Hydrostatic Fuze					0 0			0 0 0			127 127 0 0		
		•				0			0			2,193		

DD FORM 2446, JUN 86 CLASSIFICATION: P-1 SHOPPING LIST ITEM NO.

PAGE NO. 2

BUDGET PROCUREM	ENT HISTO	ORY AND I	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				` ,		Misc Sonobuoys Less Thar			ebruary 199	9
B. APPROPRIATION/BUDGET					C. P-1 ITEM NOM	IENCLATURE			SUBHEAD	
Other Procurement, N										
B.A. 3 - AVIATION SUF	PPORT EQ	UIPMENT	I	I	PEO(A) PRO	OGRAM NARM #4050	00	DATE OF	U3QV	DATE
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										

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST 131 Classification:

PAGE NO. 3

FY 2000/01 BUDGET PRODU	JCTION	SCHE	EDULE, P-21 Weapon Syste													DATE						y 19	99							
APPROPRIATION/BUDGET A	CTIVITY	,																P-1												
OTHER PROCUREMENT	T, NAV	<b>Y</b> , B	.A	3								MIS	C Le	ss T								)GR	AM I	NAR	M #40	0500	)			
							Prod	ductio	n Ra	ite								ent L												
			nufactu										-T Pi			T Af			Initia			eord							it of	
Item			and L		n	MS		1-8			AX	to	Oct	1	(	Oct 1	1	M	fg P	LT	M	lfg P	LT		Tota	al			asure	
AN/SSQ-36B			CANA	NDA*		0.25		12		12																		K		
AN/SSQ-36B	SPAF	RTON	, FL			0.25		12		12						3			12						15	5		K		
CLIC MIC OA	ODAE	TON				TDD		TDD		TDI									40						4.7					
SUS MK-84	SPAF	RION	, FL			TBD		TBD		ТВІ	ر					3			12						15	)		K		
									FISCA	L YE	AR 19	98										FI	SCAL	YEAR	1999					
ITEM / MANUFACTURER	F	S	Q	D	В	19	97						CALE	NDA	R YEA	R 19	98	_						CALE	NDAR Y	'EAR 1	999		-	
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AN/SSQ-36 - NOT SELECTED (K)	00		8.8	0	8.8				Α												0.9	0.9	0.9	3.0	3 0.7	0.7	0.7	0.7	0.7	1.8
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Remarks:																														

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

311 / 244 ITEM NO 131 PAGE 4 Exhibit P-21 Production Schedule

FY 2000/01 BUDGET PRODUC			DULF	Ξ, P-2	1													DATE			F	ebr	uary	199	9					
APPROPRIATION/BUDGET AC												,	Wea	pon	ı Sys	stem	1	P-1	ITE	MN			CLAT							
OTHER PROCUREMENT,	NAV	Υ									ļ	MIS	C Le		Γhan						PROC	<b>GRAN</b>	M NA	ιRM:	#4050	000				
							Pro	ductio	n Ra	ate				F	Proc	urer	nen	t Lea	adtim	nes										
	T	Mar	nufactu	urer's								AL	T Pr	rior	AL	T Af	ter	I	Initia	ıl	R	eord	Jer				1	Un	nit of	
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AN/SSQ-36B		MES, 0				0.25		12		12										$\neg$	1		$\overline{}$			$\neg$		K		
AN/SSQ-36B		RTON,				0.25		12		12				$\overline{}$		3			12	$\rightarrow$	<del></del>		—		15	$\rightarrow$		K		
7117000 000	† · · · ·	<u> </u>				0.20					$\overline{}$			$\overline{}$						$\rightarrow$	i		$\rightarrow$			$\longrightarrow$		<u> </u>		
SUS MK-84	SPAF	RTON,	FL			TBD		TBD		TBD	7			$\overline{}$		3			12	$\rightarrow$	i		$\rightarrow$		15	$\longrightarrow$		K		
	10.7	(101.,			-		-							—	<b> </b>	_ <u> </u>			<u></u>	$\longrightarrow$	ı—		—	$\vdash$		$\longrightarrow$	$\Box$	<u></u>		
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	†								FISC	AL YE	AR 2	002										FISC	CAL YE	EAR	2003				$\neg$	
ITEM / MANUFACTURER	F	s	Q	D	В	20	001					(	CALEN	NDAR	YEAR	₹ 200	2			7	i		CA'	LEND	AR YE	EAR 2	.003			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	В
		С	Υ	L	L	С	0	Е	A	E	Α	Р	Α	U	U	U	E	С	0	Е	Α	E	Α	Р	Α	U	U	U	Е	A L
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DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO 131 PAGE 5

		BUD	GET ITEM JU	JSTIFICATIO	N SHEET				DA	TE:		
			1	P-40						FI	EBRUARY 1999	
APPROPRIATION/BI	UDGET ACTIVITY	′					P-1 ITEM NOMEN	ICLATURE	LI 420400			
OTHER PROCUE	REMENT, NAV	Y/ BA-3 Avia	tion Support	<b>Equipment</b>			<b>WEAPONS</b>	<b>RANGE SUP</b>	PORT EQUI	PMENT		
Program Element for	Code B Items:						Other Relat	ed Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

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.

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.

DD Form 2454, JUN 86 CLASSIFICATION: UNCLASSIFIED

P-1 SHOPPING LIST

ITEM NO. 132 PAGE NO 1

		BUD	GET ITEM JU	JSTIFICATIO	ON SHEET				DA	TE:		
				P-40						F	EBRUARY 1999	
APPROPRIATION/	BUDGET ACTIVITY	1					P-1 ITEM NOMEN	ICLATURE	LI 420400			
OTHER PROCI	UREMENT, NAV	Y/ BA-3 Avia	tion Support	<b>Equipment</b>			<b>WEAPONS</b>	<b>RANGE SUP</b>	PORT EQUI	PMENT		
Program Element f	or Code B Items:						Other Relat	ed Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

## 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.

### 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.

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 bandwith requirements.

P-1 SHOPPING LIST

		BUD	GET ITEM JU	JSTIFICATIO	ON SHEET				DA	TE:		
				P-40						F	EBRUARY 1999	
APPROPRIATION	BUDGET ACTIVITY	1					P-1 ITEM NOMEN	ICLATURE	LI 420400			
OTHER PROCI	UREMENT, NAV	Y/ BA-3 Avia	tion Support	Equipment			<b>WEAPONS</b>	<b>RANGE SUP</b>	PORT EQUI	PMENT		
Program Element f	for Code B Items:						Other Relat	ed Program	Elements			
	Prior	ID		=,,,,,,,					=,,,		То	
1	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

### SHALLOW WATER RANGE (SW RANGE):

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.

## UNDERWATER ACOUSTIC TELEMETRY MODEM (UATM)

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.

#### LATR SYSTEM

#### LATR UPGRADE AT SCORE

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.

### RANGELESS AIR COMBAT TRAINING SYSTEM

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-1 SHOPPING LIST

		BUD	GET ITEM JU	JSTIFICATIO	ON SHEET				DA	TE:		
				P-40						F	EBRUARY 1999	
APPROPRIATION/	BUDGET ACTIVIT	Y					P-1 ITEM NOMEN	NCLATURE	LI 420400			
OTHER PROCU	UREMENT, NAV	Y/ BA-3 Avia	tion Support	Equipment			<b>WEAPONS</b>	<b>RANGE SUP</b>	PORT EQUI	PMENT		
Program Element f	or Code B Items:						Other Relat	ted Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

### JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)

The Joint Tactical Combat Training System (JTCTS) will procure fixed, transportable, and mobile range instrumentation equipment for the USN and USAF for both shore-based (aircrew training) and deployable (ship/sub/aircrew training) applications. JTCTS instrumentation will transmit exercise scenarios; simulate/stimulate all exercise participants sensors/weapons with the exercise scenario; track all exercise participants and events, e.g., weapons engagements; and, provide accurate, realistic, and timely feedback. JTCTS is building on technology developed for existing tactical training range systems 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.

#### LOW ALTITUDE SURVEILLANCE RADAR (LASR)

Due to the low elevation of the San Clemente radar on Mr. 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.

## **MOBILE REMOTE EMITTER SYSTEM (MRES)**

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 (ECN transmissions from 500MHz to 18 GHz for spectrum viewing and evaluation of ECM techniques. The MRES will use the Tactical Aircrew Comb Training System (TACTS) and/or video and Identification Friend or Foe (IFF) tracking modes for position pointing sources.

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-1 SHOPPING LIST

		BUD	GET ITEM JU	JSTIFICATIO	ON SHEET				DA	TE:		
				P-40						FI	EBRUARY 1999	
APPROPRIATION/	BUDGET ACTIVITY	/					P-1 ITEM NOMEN	ICLATURE	LI 420400			
OTHER PROCI	JREMENT, NAV	Y/ BA-3 Avia	tion Support	Equipment			<b>WEAPONS</b>	<b>RANGE SUP</b>	PORT EQUI	PMENT		
Program Element f	or Code B Items:		•	• •			Other Relat	ed Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

## ITCS UPGRADE

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.

## PMRF UPGRADES

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-1 SHOPPING LIST

## **UNCLASSIFIED**

SUDGET ITEM JUSTIFICATION SHEET FOR A		SATED ITE	:M\$				DATE:		FEBRU	ARY 1999		
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM	NOMEN	ICLATURE	. LD.(C)			
OTHER PROCUREMENT, NAVY/ BA-3 Aviati	on Supp	ort Equip	ment		WEAPON	RANGE SU			ENT			
	ID	Prior									To	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
TACTS											·	
TACTS CONTROL AND COMPUTATIONAL SUBSYSTEM												
QUANTITY		4										4
COST (In Thousands)		1,250										1,250
BODIE ISLAND UPGRADE/LWTC DATALINK												
QUANTITY QUANTITY				2	1				+			3
COST (In Thousands)				642	420							1,062
GOOT (III Tilousarius)				042	420							1,002
SW RANGE (LANT)												
QUANTITY		1-PHASE 1						1-PHASE 2		1-PHASE 3		CONT.
COST (In Thousands)		12,464						21,565	5	11,965	CONT	CONT
OW DANCE (DAC)												
SW RANGE (PAC) QUANTITY						N/A	1-PHASE 1		1-PHASE 2			CONT.
COST (In Thousands)						600	22,623		11,752		CONT	CONT
COST (III Triousarius)						000	22,023		11,732		CONT	CONT
UNDERWATER ACOUSTIC TELEMETRY MODEM												
QUANTITY						9						9
COST (In Thousands)						2,219						2,219
ITCS UPGRADE												
QUANTITY						1	1	1				984
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			1					800
LATR ACM RETROFIT							<del>                                     </del>					
QUANTITY		1					+					1
COST (In Thousands)		4,226										4,226
		.,										-,
LATR INTEGATION FACILITY												
QUANTITY						N/A						
COST (In Thousands)						200						200
DANICEI ESS AID COMPAT TONIC SYSTEM							-					
RANGELESS AIR COMBAT TRNG SYSTEM QUANTITY				N/A			+					
COST (In Thousands)				5000			+					
/							1					
LASR SCORE												
QUANTITY					1							1
COST (In Thousands)					1,493	1						1,493

CLASSIFICATION: UNCLASSIFIED

SUDGET ITEM JUSTIFICATION SHEET F	OR AGGREG	ATED ITE	EM\$				DATE:	FEE	BRUARY	1999		
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY/ BA-3 A	viation Supp	ort Equip	ment		WEAPON	P-1 ITEM		CLATURE <b>EQUIPME</b> I	NT			
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
							1					
							1					
							1					
							1					
			1	1	1	-	+			1		

CLASSIFICATION: UNCLASSIFIED

	WEAPONS SYSTEM COST ANAL P-5	.YSIS					WEAF	PONS SYS	TEM					DATE: <b>FEBRUA</b>	ARY 1999
Other P	PRIATION/BUDGET ACTIVITY Procurement, Navy viation Support Equipment		·	43SC			ID Code		OMENCLATURI 43SC NS RANGE	RE/SUBHEAD	EQUIPME	:NT			
COST	ELEMENT OF COST	ID Code	Prior Years	<u> </u>	FY 1998		-	FY 1999			FY 2000				
		'	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SC002	AIRCREW EW TRAINING RANGES														
	MRES	'		1	4,705	4,705	1	3,000	3,000			'			
	SYSTEMS REPLACEMENT AND MODERNIZATION (SRAM)	N/A	45,973		N/A	2,033		N/A	3,176		N/A	2,851			
	TACTICAL AIRCREW COMBAT TRAINING SYSTEM (TACTS)														
	TACTS Control & Computational Subsystem (CCS)	'	1,250			!			'						
	BODIE ISLAND UPGRADE/LWTC DATALINI	iĸ				'	2	321	642	1	420	420			
SC012	SW RANGE	'				'						'			
	LANT - East Coast	'	12,464						!						
	PAC - West Coast					1			!						
SC018	COMM UPGRADE (TWENTYNINE PALMS)		787												
		'							!						
		'													
		'				,			!			,			
		'										,			
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DD FORM 2446, JUN 86 CLASSIFICATION:

	WEAPONS SYSTEM COST ANAI P-5	LYSIS					WEAPONS	SYSTEM						DATE: FEBRUA	ARY 1999
Other P	PRIATION/BUDGET ACTIVITY rocurement, Navy viation Support Equipment	1	ı	43SC			ID Code		MENCLATURE 43SC NS RANGE	E/SUBHEAD	EQUIPME	NT	ı		
COST	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	N/A	8,858	N/A		195	N/A		275			5,437			
	VARIOUS 1/		713,838												
1/ The am	nount identified against this cost element refle	cts total p	rior year fundi   	ng associate	ed with cost o	elements no	longer financ	ed in FY 199	7 and beyon	d.					
		•	914,261			10,335			25,957			12,166			

DD FORM 2446, JUN 86

CLASSIFICATION:

# **UNCLASSIFIED**

BUDGET PROCUREMENT HISTOR	RY AND	PLANNING	<b>EXHIBIT</b>	(P-5A)			Weapon System		A. DATE	EBRUARY 1	1999
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOM	 MENCLATURE			SUBHEAD	1995
Other Procurement, Navy										43	BSC
<b>BA-3 AVIATION SUPPORT EQUIP</b>	MENT						RANGE SUPPORT EQUI	<b>PMENT</b>		l	
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 R	RANGES	1	 								
MRES	1998 1999		4,705 3,000	NAVAIR NAVAIR	8/98 N/A	FFP FFP	TBD TBD	2/99 6/99	11/00 01/01	YES YES	N/A N/A
SC004 SYS REPL & MOD*		1									
	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	ļ	1	ļ 								
DATALINK	1999	2	321	NAVAIR	01/99	FFP	TBD	06/99	11/00	YES	N/A
	2000	1 1	420	NAVAIR	N/A	FFP	TBD	11/99	06/01	YES	N/A

## D. REMARKS

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

<sup>\*</sup> 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**

BUDGET PROCUREMENT HISTOR AVIATION SUPPORT EQUIPMENT		PLANNING	EXHIBIT	(P-5A)			Weapon System		A. DATE	EBRUARY 1	999
B. APPROPRIATION/BUDGET ACTIVITY						C. P-1 ITEM NOM	ENCLATURE			SUBHEAD	
Other Procurement, Navy							·····				
BA-3 Aviation Support Equipment							ANGE SUPPORT EQUI	PMENI		43SC	
Ocat Flore cat/		CHANTITY	LINUT	LOCATION	DED IOOUE	CONTRACT	CONTRACTOR	AWARR	DATE OF	SPECS	IF NO
Cost Element/		QUANTITY	UNIT	LOCATION	RFP ISSUE	METHOD	CONTRACTOR	AWARD DATE	FIRST	AVAILABLE	WHEN
FISCAL YEAR			COST (000)	OF PCO	DATE	& TYPE	AND LOCATION	DATE	DELIVERY	NOW	AVAILABLE
			(000)								
SC012 SW RANGE											
EAST COAST	1997	1	12,464	NAVAIR	2/14/97	CPIFAF	SAIC/MARI PRO	09/97	09/00	YES	N/A
SC021 LASR	2000	1	1,493	SPAWAR SYS CEN	N/A	PX	SPAWAR SYS CEN	12/99	07/00	YES	N/A
SC034 LATR SYSTEM				SAN DIEGO, CA			SAN DIEGO, CA				
00001 E											
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
		<u> </u>		<u> </u>							

D. REMARKS

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

FY 2000 BUDGET PRODUCTION			JLE, F	P-21														DATE						199						
APPROPRIATION/BUDGET AC													Wea	apor	Sys	stem		P-1	ITE	ΜN	OM	ENC	CLA	ΓUR	E					
OTHER PROCUREMENT	, NA\	/Y/B	A-3 A	<b>Aviat</b>	ion S	Sup	por	t E	qui	pm	ent								We	apo	ns F	Rang	ge S	upp	ort	Equ	ipm	ent		
							Pr	odu	ction	Rat	te				Pro	cure	mer	nt Le	adti	nes										
		Mar	nufacti	urer's								AL	T P	rior	AL	T Af	ter		Initia		R	eorc	ler					Un	it of	
Item	1	Name	and L	.ocatic	n	M	SR	1-8	8-5	Ν	ΛAX	to	Oct	t 1	(	Oct 1	1	Mt	fg Pl	Т	M	fg P	LT		Tota	ıl		Mea	asur	е
MRES	TBD																													
BODIE ISLAND UPG/LWTC	TBD																													
LATR UPGRADE SCORE	L3 C	ОММ	JNICA	NOITA	S																									
TACTS CCS		′CWD																												
ITCS		′CWD																												
LASR		WAR																												
									F	ISCAL	YEAR 1	1998										FISC	CAL Y	EAR	1999		1			$\overline{}$
ITEM / MANUFACTURER	F	s	Q	D	В		1997						JENE	AR Y	EAR	1998								LEND		FAR 1	999			-
	Y	V	Т	E	A	0	N	D	J	F	М	A	М	,		A	s	0	N	D	J	F	М	A	М	_,	1	Α	S	В
		С	Υ	L	L	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	Ü	E	A L
						Т	V	С	Ν	В	R	R	Y	N	L	G	Р	Т	V	С	Ν	В	R	R	Y	N	L	G	Р	-
MRES	98	N	1	0	1																	Α								1
MRES	99	N	1	0	1																					Α				3
BODIE ISLAND UPG/LWTC	99	N	2	0	2																					Α				2
LATR UPGRADE SCORE	99	N	47	0	47															Α									7	40
LATR ACM RETROFIT	97	N	1	0	1			Α																		1				0
										FIS	SCAL YE	AR 20	000									FISC	CAL Y	EAR	2001					
ITEM / MANUFACTURER	F	S	Q	D	В		1999					CA	LEND	AR Y	EAR :	2000							CA	LEND	AR YI	EAR 2	2001			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	s	В
		С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	Е	С	0	Е	Α	Е	Α	Р	Α	U	U	U	Е	A L
						Т	V	С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Υ	N	L	G	Р	
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 LATR UPGRADE SCORE	00 99	N N	1 40	0 7	1 40	10	10	10	10																	1				0
SW RANGE - LANT - EAST COAST	99	N	1	0	1	10	10	10	10								1													0
LASR	00	N	1	0	1			Α							1		'													0
Remarks:																									_			-		<u> </u>

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Exhibit P-21 Production Schedule

nts Study					ΤΥ	DAT	E: <b>FEBRUAR</b>	Y 1999
<b>=</b>		Admin Le	adtime (after Oct1):		Prod	Leadtime :		
		4 MONT	HS		32 N	MONTHS		
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
	0	0	0	4	4	4	4	4
funding			4					
ding								
ding								
years' fundinç								
					4		-	4
	-	<u>-</u>	7	4	4			4
		0		N/A				
					Vehicle Augmen	t:		
FY 1995:	FY 1995:		FY 1995:					
							Storage:	
	funding ding	FY 1998  FY 1998  funding  ding  ding  ding  years' fundinç  ons/etc.  n 0  nt Authorized Allowance 4  Actual Training Expenditures 0 Usage FY 1998 thru XXXX: FY 1997: FY 1996: FY 1996:	OT   Admin Le   4 MONT    FY 1998   FY 1999	Admin Leadtime (after Oct1):   Admin Leadtime (after Oct1):   A MONTHS	Admin Leadtime (after Oct1):   A MONTHS	OTHER PROCUREMENT, NAVY BA-3   Admin Leadtime (after Oct1):   Admin Leadtime (after Oct1):   4 MONTHS   32 M   FY 1998   FY 1999   FY 2000   FY 2001   FY 2002   FY 2002   FY 2001   FY	OTHER PROCUREMENT, NAVY BA-3	Admin Leadtime (after Oct1):

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nts Study					ГҮ	DAT		
				•			FEBRUAR	Y 1999
		Admin Lea	adtime (after Oct1):		Prod	Leadtime :		
		17 MONT	THS		21 N	MONTHS		I
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
	1	1						
	4705	3000						
	4705	3000						
					2	2	2	2
fundina				1		_		_
ling				1				
ling								
rears' funding								
•								
ons/etc.								
	0	0	0	2	2	2	2	2
nt Authorized Allowance	2	2	2	2	2	2	2	2
Actual Training	Other than Train	ning	Disposals		Vehicles Eligible	for	Aircraft:	
Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replace	ement: N/A	TOAI: N/A	
FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
FY 1997:	FY 1997:	·	FY 1997:		Vehicle Augmen	t:	Attrition Res:	
FY 1996:	FY 1996:		FY 1996:		_		BAI	
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
							Storage:	
	funding ling ling ears' fundinc  ons/etc.  at Authorized Allowance Actual Training Expenditures 0 FY 1998 thru XXXXX: FY 1997: FY 1996:	FY 1998  1 4705 4705 4705  funding ling ling ling ears' fundinç   ons/etc.  0 Actual Training Expenditures 0 FY 1998 thru XXXX: FY 1997: FY 1996: FY 1996:	Admin Lea   17 MONT	Admin Leadtime (after Oct1): 17 MONTHS	OTHER PROCUREMENT, NAVY BA-3   Admin Leadtime (after Oct1):   17 MONTHS	Admin Leadtime (after Oct1):	Admin Leadtine (after Oct1):	Admin Leadtime (after Oct1):

## Remarks:

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<sup>\*</sup>Site configuration dependent

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BUD	DGET ACTIVITY	Y	DAT	E:	
•	•							FEBRUAF	RY 1999
P-1 ITEM NOMENCLATUR	E		Admin Lea	adtime (after Oct1):		Prod	Leadtime :		
SC007 BODIE ISLAND U	IPGRADE/LWTC		9 MONTI	HS		17 N	IONTHS		
		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 fun	ding			0	2				
Deliveries from FY 2000 fun					1				
Deliveries from subsequent	years' fundinç								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
End of Year Asset Position	n		0	0	3	3	3	3	3
nventory Objective or Curre	ent Authorized Allowance		3	3	3	3	3	3	3
Inventory Objective	Actual Training	Other than Trai	ning	Disposals		Vehicles Eligible	for	Aircraft:	
3	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac	ement: N/A	TOAI:	N/A
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
_oads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:	•								

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Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BU	IDGET ACTIVI	ΓΥ	DAT	E:	
								FEBRUAR'	Y 1999
P-1 ITEM NOMENCLATUR	E		Admin Lea	adtime (after Oct1):		Prod	Leadtime :		
SC034 LATR UPGRADE	SCORE		1 MONTI	1	T-	7 M	ONTHS		
		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	r funding								
Deliveries from FY 1999 fun	ıding		7	40					
Deliveries from FY 2000 fun	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit									
End of Year Asset Position			7	47	47	47	47	47	47
Inventory Objective or Curre	ent Authorized Allowance		47	47	47	47	47	47	47
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
47	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac		TOAI: N/A	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

Remarks:

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Exhibit P-20, Requiremen	nts Study				PROPRIATION/BUI		Υ	DA	TE: FEBRUAF	V 1000
P-1 ITEM NOMENCLATURE	:				dtime (after Oct1):	I, NAVI DA-3	Proc	d Leadtime :	FLBRUAL	(1 1999
SC012 SHALLOW WATE				11 MONT	,			MONTHS		
SCOTZ STIALLOW WATE	IN INAMOL			III WONI	110		30 1	VIOITIIO		
		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 fund										
Deliveries from FY 2000 fund	ling									
Deliveries from subsequent y	rears' funding					0			1WC PHASE ONE	1EC PHASE TWO
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrition	ons/etc.									
<b>End of Year Asset Position</b>			0	0	1-PHASE	1-PHASE	1-PHASE	1-PHASE	2-PHASES	3-PHASES
Inventory Objective or Currer	nt Authorized Allowai	nce	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES	2-RANGES
Inventory Objective	Actual Training		Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	•
2*	Expenditures	0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replac	ement: N/A	TOAI: N/A	
Assets Rqd For Combat	FY 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:		XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:		FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:		FY 1996:		FY 1996:				BAI	<u> </u>
Other:	FY 1995:		FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:									Storage:	

## Remarks:

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<sup>\*</sup> 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

Exhibit P-20, Requireme	ents Study				PROPRIATION/BUD	-	TY	DA		V 4000
P-1 ITEM NOMENCLATUR					HER PROCUREMENT adtime (after Oct1):	, NAVY BA-3	Prod	Leadtime :	FEBRUAR	Y 1999
	<b>E</b>				,					
SC021 LASR				3 MONT	HS		7 MC	ONTHS		
			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 fun										
Deliveries from FY 2000 fun	ding				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/Attrit	ions/etc.									
<b>End of Year Asset Position</b>	n				1	1	1	1	1	1
Inventory Objective or Curre	ent Authorized Allowa	nce			1	1	1	1	1	1
Inventory Objective	Actual Training		Other than Training		Disposals		Vehicles Eligible	for	Aircraft:	
1	Expenditures	0	Usage	0	(Vehicles/Other)	N/A	FY 2000 Replace		TOAI: N/A	
Assets Rqd For Combat	FY 1998 thru		FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:		XXXXX:		XXXXX:		FY 2001 Replace	ement:	TAI	
WRM Rqmt:	FY 1997:		FY 1997:		FY 1997:		Vehicle Augment	t:	Attrition Res:	
Pipeline:	FY 1996:		FY 1996:		FY 1996:				BAI	
Other:	FY 1995:		FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:									Storage:	
Remarks:										

Remarks:

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		BUI	DGET ITEM	JUSTIFICA	ATION SHEE	ĒΤ			DATE:			
				P-40					FEBRUARY 1	1999		
APPROPRIATION/BUD	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCURE	EMENT, NA	AVY/ BA	-3 Aviation	Support E	quipment			EX	(PEDITIONA	ARY AIRFIE	LDS	
Program Element for Co	ode B Items:			• •			Other Related	Program Elen	nents			
0603512N												
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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.

P-1 SHOPPING LIST

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BUI	OGET IT	EM JUST	IFICATION	SHEET FO	R AGGREC	SATED ITE	VIS		DATE:	FERDIIA	ARY 1999	
APPROPRIATION/BUDGET A	ACTIVITY			-40a			P-1 ITEM NOI	MENCI ATURE	=	FEBRUA	KK 1 1999	
OTHER PROCUREMEN		Y/ BA-3 A	viation Sup	port Equip	ment		I TITEM NO			RY AIRFIEI	LDS	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
Service Change Kits	Α	\$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	Α											
QUANTITY		3,163								80		
COST (In Mill	lions)	(\$11.3)								(\$0.4)	Continuing	Continuing
F70 Tool Kit	Α											
QUANTITY		25										25
COST (In Mill	lions)	(\$2.5)										(\$2.5)
Flatrack	Α											
QUANTITY	,,	378		413								791
COST (In Mill	lions)	(\$2.4)		(\$2.5)								(\$4.9)
M-21 Arresting Gear	В											
QUANTITY	Ь	9										0
COST (In Mill	lions)	(\$1.5)										(\$1.5)
Revetment	В											
QUANTITY	<u> </u>							935	1340	771		3046
COST (In Mill	lions)	\$0.0						(\$0.7)	(\$1.1)	(\$0.6)		(\$2.4)
MOSLS	Α											
QUANTITY			9			5	3	0				17
COST (In Mill	lions)	\$0.0	(\$6.6)			(\$3.3)	(\$1.9)	(\$0.2)				(\$12.0)
M-31 Mobile Arresting Gear	В											
QUANTITY							5	7	7	7		26
COST (In Mill	lions)	\$0.0					\$5.4	\$6.4	\$6.5	\$6.7		\$25.1
Various 1/	Α	\$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	Continuina	Continuira
1/ The amount identified against	this cost el										Continuing	Continuing
sine sine against			1 11 10. p.1.0. your	I I I I I I I I I I I I I I I I I I I						-		
	1		ı		D_1 SHODDI		1				l	l

P-1 SHOPPING LIST

CLASSIFICATION:

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ITEM NO. 133

	WEAPONS SYSTEM C P-5	OST AN	IALYSIS			Weapon Sy	stem							DATE:	ARY 1999
	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	DMENCLAT	URE/SUBHE	AD			· ·	•	
	Procurement, Navy														
BA3 - /	Aviation Support Equipment	1	1					EXPED	ITIONARY	AIRFIEL	DS	/ 43SE			
			TOTAL COST	IN THOUS	SANDS OF D	OOLLARS									
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1998			FY 1999			FY 2000				
CODE		Code	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost			
SE010	Service Change Kits	А	17,782			6,602			2,476						
	F72 / 2 AM-2 Mat F70 Tool Kit Flatrack M-21 Arresting Gear Revetment MOSLS *		(11,304) (2,548) (2,433) (1,497)	9	701	(6,602)	413	6	(2,476)						
TBD	M-31 Mobile Arresting Gear	В													
SE800	Integrated Logistics Support		3,757			10			12			33	3		
SE830	Production Engineering		12,595			5			10			29			
SE860	Acceptance Test & Evaluation		586												
	Various (1)		93,779												
	(1) The amount identified against this cost e associated with cost elements no longer fina  *Total cost includes expenditures for speciali ancillary equipment.	nced in F	Y1997 and be		l ing 										
DD 502	M 2446, JUN 86	D.4.CU	<b>128,499</b> OPPING LIST			6,617			2,498			62 CLASSIFIC			

PAGE NO.

3

# **UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)						Weapon System		A. DATE		
							FEBRUARY 1999			
B. APPROPRIATION/BUDGET ACTIVITY Other Procurement, Navy BA3 - Aviation Support Equipment					C. P-1 ITEM NOMENCLATURE  EXPEDITIONARY AIRFIELD			SUBHEAD		
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										
DD Form 2446-1, JUL 87			P-1 SHOPPING LIST	ITEM NO.	133	3	Classific	ation:		

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

ITEM NO.

UNCLASSIFIED PAGE NO. 4

# **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	<b>ATION SHEE</b>	ĒΤ			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/BUDG	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
Other Procuremen	t, Navy/B	A-3 - Av	iation Sup	ort Equipn	nent			A/C I	Rearming E	quipment -	43SH	
Program Element for Co	de B Items:			-			Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

ITEM NO. 134 PAGE NO. 1

CLASSIFICATION:

**UNCLASSIFIED** 

DD Form 2454, JUN 86

# **UNCLASSIFIED**

BUD	GET	ITEM JUS	STIFICATIO	N SHEET F	OR AGGRI	EGATED I	TEMS		DATE:			
P-40a										F	ebruary 199	9
APPROPRIATION/BUDGE	Γ ACTI\	/ITY					P-1 ITEM NO	MENCLATUR	Ē			
OTHER PROCUREME	ENT. N	IAVY/ BA	-3 - Aviatio	n Support	Equipment		A/C Rearm	ina Eauipi	nent			
	ID	Prior						J 11 1			То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
1. LALS II	Α	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	Α			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	Α	5,084					763					5,847
Qty	, , ,	407					84					491
4. A/S32K-1D Wpns Loader	_	19,829					1 226	1 577				22 722
Qty	A	339					1,326 13	1,577 19				22,732 371
5. Cycling Adapter	Α	583			150		164					897
Qty		39			10		11					60
6. A/M32K-4A Mun Trlr	Α	17,250		442	473		2,295	2,370				22,830
Qty		1150		29	31		153	158				1521
7. ADU-699/E Sonobuoy Adp	Α					53		975	975			2,003
Qty						2		78	78			158
8. ADU-433/434 Adapter	Α	831		225	225							1,281
Qty		277		75	75							427
9. ADU-514/A/E Missile Adptr	Α						1,118	322				1,440
Qty							559	161				720
10, Next Generation Handler	Α								852			852
Qty	- 1								3			3
11. HLU-191 Transport	Α						1,560	3,481				5,041
Qty							312	688				1000
SUB TOTAL		63,659	8,200	10,817	<b>10,291</b> P-1 SHOPPI	10,170	8,555	9,901 CLASSIFICA	4,331	1,207	0	127,131

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**UNCLASSIFIED** 

DD Form 2454, JUN 86

# **UNCLASSIFIED**

В	UDGE1	TITEM JUS	TIFICATION	N SHEET F	OR AGGRE	GATED ITE	MS		DATE:			
P-40a										Fe	ebruary 1999	)
APPROPRIATION/BUDGE	T ACTIVI	TY					P-1 ITEM NO	MENCLATURI			-	
OTHER PROCUREMI	ENT, NA	AVY/ BA-3 -	- Aviation S	upport Equ	uipment		A/C Rearm	ing Equipn	nent			
	IĎ	Prior			l			<u> </u>			То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
12. A/M32U-13B Maint Trlr	A						900					900
Qty							30					30
13. MHU-126A/M Trailer	Α							402	350			752
Qty								26	24			50
14. ADU-722/E Hoist Adptr	Α						252					252
Qty							420					420
15. AERO-91A Adapter	Α								120			120
Qty									300			300
16. LME	Α								1,800	1,565	535	3,900
Qty									120	104	36	260
17. A/F32K-1A Bomb Table	Α						520					520
Qty							26					26
18. MHU-151/M Trailer	Α								1,500	1,875		3,375
Qty									100	125		225
19. AERO-74A Adapter	А								2,474	6,225	898	9,597
									330	830	120	1280
Various 1/		192,767										
1/ The amount identified again	nst this cos	st element reflec	cts total prior yea	ar funding asso	ciated with cost e	elements no lon	ger financed in F	 FY1997 and bey	rond.			
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						2,749	Cont	Cont
TOTAL		279,138	9,942	12,858						13,621	Cont	Cont

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 134 PAGE NO. 3

	WEAPONS SYSTEM CO P-5	ST AN	ALYSIS			Weapon Sy	stem				DATE:	bruary 19	99	
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	OMENCLATI	URE/SUBHE	√D	10	bruary 13	-55	
OTUE	DESCRIPTION NAVVIDA 2	Avioti	an Cunn	Ca!.			A/C Door	mina Fa	!					
OTHE	R PROCUREMENT, NAVY/BA-3 -		TOTAL COS				A/C Rear	ming Eq	uipmeni					
				1 114 11100		DOLL/1110						-		
COST	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		
SH004	Shipboard/Shorebased WSE													
	1. LALS II	Α	20,082	44	186.36	8,200	53	187.45	9,935	56	168.63	9,443		
	2. HLU-196D/E Bomb Hoist	А					3	71.66	215					
	3. MHU-202/M Munitions Trailer	Α	5,084											
	4. A/532K-1D Weapons Loader	Α	19,829											
	5. Cycling Adapter	Α	583							10	15.00	150		
	6. A/M32K-4A Munitions Trailer	Α	17,250				29	15.24	442	31	15.26	473		
	7. ADU-699A/E Sonobuoy Adapter	Α												
	8. ADU-433/434 Adapter	Α	831				75	3.00	225	75	3.00	225		
	9. ADU-514A/E Missile Adapter	Α												
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											
	A 2446 II IN 86	I.	279,138			9,942			12,858			12,456		

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

# **UNCLASSIFIED**

<b>BUDGET PROCUREMEN</b>	IT HISTOR	Y AND PI	ANNING EXHIBIT (	P-5A)	V	Veapon System		A. DATE		
									Februa	ry 1999
B. APPROPRIATION/BUDGET ACT					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement, N	Navy/BA-	3 - Avia	tion Support Equi	ipment	A/C Rearmi	ng Equipment			43	SH
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 FY 1999 FY 2000	44 53 56	186.36* 187.45* 168.63	NAWC Pt. Mugu NAWC Lakehurst NAWC Lakehurst		FP/OPTION C/FFP FP/OPTION	WESTERN DESIGN TBD TBD	12/01/97 01/01/99 03/01/00	10/01/98 01/01/00 01/01/01	Yes Yes 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 FY 2000	75 75	3.00 3.00	NAWC Lakehurst NAWC Lakehurst		FP/OPTION FP/OPTION	NAWC Lakehurst NAWC Lakehurst	12/01/98 12/01/99	05/01/99 05/01/00	Yes Yes	
A/M-32K-4A Munitions Trailer FY 1999 FY 2000  Cycling Adapter	29 31	15.24 15.26	NAWC Lakehurst NAWC Lakehurst		C/FFP FP/OPTION	DYNCORP DYNCORP	12/30/98 12/30/99	08/30/99 08/30/00	Yes Yes	
FY 2000 ADU-699A/E Adapter	10	15.00	NAWC Pt. Mugu		C/FFP	NAWC Pt Mugu	12/01/99	05/01/00	Yes	

## 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.

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#### **UNCLASSIFIED CLASSIFICATION:**

Exhibit P-20, Requireme	ents Study	APPROPRIATION	I/BUDGET ACTI	VITY			Date:		
-	-	A/C Rearming Eq	uipment					February 1999	
P-1 ITEM NOMENCLATURI	E	Admin Leadtime	•				Production Lead		
Other Procurement, Nav	y BA-3 Aviation SE			6 months				10 m	onths
LALS II		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		44	53	56	48	F1 2002	F1 2003	F1 2004	F1 2003
Unit Cost		186.36	187.45	168.63	189.38		+		
Total Cost							+		
		8,200	9,935	9,443	9,090				
Asset Dynamics		0.4	22	110	454	200	05.4		
Beginning Asset Position		34	69	113	151	203	254		
Deliveries from all prior year		35	44		45				
Deliveries from FY 1999 fund				38	15				
Deliveries from FY 2000 fund					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/Attriti									
End of Year Asset Position		69	113	151	203	254	270		
Inventory Objective or Curre		270	270	270	270	270	270		
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible		Aircraft:	
270	Expenditures	Usage		(Vehicles/Other	r)	FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:							•	Storage:	
Remarks:		<del></del>		<del></del>			<del></del>		

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 134 PAGE NO. 6 DD Form 2454, JUN 86 **UNCLASSIFIED** 

Exhibit P-20, Requireme	ents Study	APPROPRIATION	/BUDGET ACTI	VITY			Date:		
· •	-	A/C Rearming Eq	uipment					February 1999	
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	•				Production Lead	•	
Other Procurement, Na	vy BA-3 Aviation SE		2 months					12 m	onths
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 fun									
Deliveries from FY 2000 fun	ding								
Deliveries from subsequent	years' funding					102	130	117	228
Other Gains	<del>,</del>								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
<b>End of Year Asset Position</b>	n			3	3	105	235	352	580
Inventory Objective or Curre	ent Authorized Allowance		700	700	700	700	700	700	700
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	-
700	Expenditures	Usage		(Vehicles/Othe	r)	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:								-	

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	ents Study	APPROPRIATION	/BUDGET ACTIV	/ITY			Date:		
		A/C Rearming Eq	uipment					February 1999	
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):				Production Lead	ltime:	
Other Procurement, Nav	vy BA-3 Aviation SE		2 months			1		6 mc	nths
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 fun-			50	25					
Deliveries from FY 2000 fun-	ding			50	25				
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position	-	277	327	402	427				
Inventory Objective or Curre		427	427	427	427				
Inventory Objective	Actual Training	Other than Traini	ng	Disposals		Vehicles Eligible		Aircraft:	
427	Expenditures	Usage		(Vehicles/Other	r)	FY 2000 Replace		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replace		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	· · · · · · · · · · · · · · · · · · ·

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

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#### **UNCLASSIFIED CLASSIFICATION:**

Exhibit P-20, Requireme	ents Study	APPROPRIATION	I/BUDGET ACTI	VITY			Date:		
-	-	A/C Rearming Eq	uipment					February 1999	
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):				Production Lead		
Other Procurement, Nav	vy BA-3 Aviation SE		2 months					9 ma	onths
A/M32K-4A		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		111000	29	31	1 1 2001	153	158	112007	1 1 2000
Unit Cost			15.24	15.26		15.00	15.00		
Total Cost			442	473		2,295	2,370		
Asset Dynamics			772	473		2,233	2,370		
Beginning Asset Position		1150	1150	1155	1184	1210	1222	1376	1521
Deliveries from all prior year	funding	1130	1130	1133	1104	1210	1222	1370	1321
Deliveries from FY 1999 fun	5		5	24					
Deliveries from FY 2000 fun	<u> </u>			5	26				
Deliveries from subsequent	· · ·			3	20	12	154	145	0
Other Gains	yeare ranaing						101	1.10	
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti	ons/etc.								
<b>End of Year Asset Position</b>	1	1150	1155	1184	1210	1222	1376	1521	1521
Inventory Objective or Curre	nt Authorized Allowance	1883	1883	1883	1883	1883	1883	1883	1883
Inventory Objective	Actual Training	Other than Traini	ing	Disposals		Vehicles Eligible	e for	Aircraft:	
1883	Expenditures	Usage		(Vehicles/Other	r)	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:			·	BAI	<u> </u>
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:						-	· · · · · · · · · · · · · · · · · · ·	Storage:	· · · · · · · · · · · · · · · · · · ·

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

ITEM NO. 134 PAGE NO. 9 DD Form 2454, JUN 86

#### **UNCLASSIFIED CLASSIFICATION:**

ents Study	APPROPRIATION	V/BUDGET ACTIV	VITY			Date:	February 1999	)
	A/C Rearming Eq	uipment						
E	Admin Leadtime	(after Oct 1):				Production Lead	Itime:	
vy BA-3 Aviation SE		2 months					6 mc	onths
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
			10		11	11 = 000	11 = 11	
			15.00		14.90			
			100		104			
			39	49	49			
r funding			- 00	40	70			
			10					
- 3					11			
<del>, , , , , , , , , , , , , , , , , , , </del>								
tions/etc.								
n			49	49	60			
ent Authorized Allowance			60	60	60			
Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	
Expenditures	Usage		(Vehicles/Other	r)	FY 2000 Replac	ement:	TOAI:	
FY 1998 thru	FY 1998 thru		FY 1998 thru				PAA:	
XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
FY 1997:	FY 1997:				Vehicle Augmer	nt:	Attrition Res:	
FY 1996:			FY 1996:	·		·	BAI	·
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
							Storage:	
	E vy BA-3 Aviation SE  r funding ding ding ding years' funding  ions/etc.  n ent Authorized Allowance Actual Training Expenditures FY 1998 thru XXXXX: FY 1997: FY 1996:	A/C Rearming Eq Admin Leadtime  ry BA-3 Aviation SE  FY 1998  FY 1998  funding ding ding years' funding  ions/etc.  n ent Authorized Allowance  Actual Training Expenditures  FY 1998 thru XXXXX: FY 1998 thru XXXXX: FY 1997: FY 1996: FY 1996: FY 1996:	A/C Rearming Equipment  E Admin Leadtime (after Oct 1):  2 months  FY 1998 FY 1999  FY 1998 FY 1998 FY 1998 FY 1998:  FY 1998: FY 1996:  FY 1996: FY 1996:	A/C Rearming Equipment  Admin Leadtime (after Oct 1):  2 months  FY 1998 FY 1999 FY 2000  10  15.00  150  150  160  170  170  180  190  190  10  10  10  10  10  10  10	A/C Rearming Equipment  E	A/C Rearming Equipment  E	A/C Rearming Equipment  E Admin Leadtime (after Oct 1):  yy BA-3 Aviation SE  FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2003 FY 2000 10 11 11 15.00 14.90 150 164  150 164  170 170 180 190 190 190 190 190 190 190 190 190 19	A/C Rearming Equipment E Admin Leadtime (after Oct 1):

Remarks:

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 134 PAGE NO. 10 **UNCLASSIFIED** 

FY 2000/01 BUDGET PRODUC	TION	SCHE	DUL	E, P-2	1													DATE				ebr								
APPROPRIATION/BUDGET ACTOMICS OF THE PROCUREMENT,	TIVITY <b>NAV</b>	′ Y BA	۱-3 -	Avia	tion \$	Sup							We	apon	•				ITEI		OME <b>4</b>	NC F	LAT <b>Rea</b> i	URI rmir	ig E	quip	ome	nt		
							Pro	duct	ion l	Rate	<del>)</del>							t Lea	adtim	es										
			nufacti										_T P			T A			Initia			eorc							it of	
Item				ocatic.	n	M	SR		8-5	M	٩X	to	ОС	t 1	(	Oct	1	M	lfg Pl	_T	M	lfg P	LT		Tota				asure	е
LALS II	WDH	l Irvine	e Ca			2		1-8	-5	8						6			10			10			16		MC	NTH	<del>IS</del>	
		1	1	1	1				F	ISCAI	YFA	R 19	98									FISC	AL YI	FAR	1999					$\overline{}$
ITEM / MANUFACTURER	F	s	Q	D	В		1997							NDAR	YEAF	R 199	8									EAR 1	999			
	9 5	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	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	J U L	A U G	S E P	B A L
LALS II	98	N	44	0	44			Α										4	4	4	4	4	4	4	4	4	4	4		0
	99	N	53	0	53																Α									53
										FIS	CAL Y	EAR	2000									FISC	AL YI	EAR	2001		<u> </u>			$\vdash$
ITEM / MANUFACTURER	F	S	Q	D	В		1999						CALE	NDAR	YEAF	R 200	0						CA	LEND	AR Y	EAR 2	2001			
	Υ	V C	T Y	E L	A L	0 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 OPTION I	99 00	N N	53 56	0	53 56				4	4	4 A	4	4	4	4	5	5	5	5	5	4	5	5	5	5	5	5	5	5	0 12
Remarks:																														

FY 2000/01 BUDGET PRODU	JCTION	SCHE	EDULI	E, P-2	1													DAT				ebr								
APPROPRIATION/BUDGET A OTHER PROCUREMENT			<b>\-3</b> - <i>i</i>	Aviat	ion S	Sup							We	apon	•				ITEI		MC <b>4</b>	NC I	LAT Rea	URI <b>rmi</b> i	E ng E	quip	ome	nt		
							Pro	duct	ion I	Rate	:				Pro	cure	emei	nt Le	adtir	nes										
		Mar	nufacti	urer's								Αl	_T P	rior	ΑL	TA	fter		Initia		R	eord	der					Ur	nit of	
Item	ı	Name	and L	ocatio.	n	M	SR	1-8	8-5	MA	٩X	to	ОС	t 1		Oct	1	M	lfg P	_T	M	lfg P	LT		Tot	al		Mea	asure	Э
_ALS II	WDH	I Irvine	e Ca			2		1-8	-5	8						6			10			10			16	3	MC	HTMC	1S	
									F	ISCAL	YEA	R 20	02									FISC	CAL Y	EAR	2003					
ITEM / MANUFACTURER	F	s	Q	D	В		2001							ENDAR	R YEA	R 200	2	<b>I</b> ,								ΈAR 2	2003			ĺ
	9 5	9 V T E A O N D J F M A M J J A								S E	O C	N O	D E	J A	F E	M A	A P	M A	J	J	A U	S E	B A L							
								С	N	В	R	R	Υ	N	L	G	Р	Т	V	С	Ν	В	R	R	Y	N	L	G	Р	
LALS II	00	F S Q D B 2001 CALENDAR YEAR 200 9 V T E A O N D J F M A M J J A 5 C Y L L C O E A E A P A U U U																						0						
		9 V T E A O N D J F M A M J J A C O E A E A P A U U L T V C N B R R Y N L G																				_								
										FISC	CAL Y	ΈAR	2004									FISC	CAL Y	EAR	2005					
ITEM / MANUFACTURER	F	S	Q	D	В		2003						CALE	NDAR	YEA	R 200	4						CA	LEN	DAR Y	'EAR 2	2005			l
	Y	C	T Y	E L	A L	0 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	U	J U L	A U G	S E P	B A L
																												<del>                                     </del>		
																												_		
Remarks:							1							I					1	1						1		<u></u>		

## **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	TION SHEE	ΕT			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NOI	MENCLATURE	<b>∃</b>			
OTHER PROCU	REMENT, NA	AVY / B	A 3 AVIATION	ON SUPPOR	RT EQUIPM	ENT	AIRCRAF	T LAUNCH	AND RECOVI	ERY EQUIPM	IENT (ALRE)	- 43SJ
Program Element for	Code B Items:						Other Related	Program Elen	nents			
0603512N and	d 0604512N						Not Appli	cable				
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

ITEM NO. 135 PAGE NO. 1

**CLASSIFICATION:** 

# **UNCLASSIFIED**

В	UDGE <sup>-</sup>	T ITEM J	USTIFICATI	ON SHEET P-40a	FOR AGGR	EGATED IT	EMS		DATE:	Eobru	any 1000	
APPROPRIATION/BUDGE	T ACTIV	/ITV		P-40a			P-1 ITEM NOI	MENICI ATLIDE	<u> </u>	Febru	ary 1999	
OTHER PROCUREMI			\ 2 A\/ ATIO	N SHDDOD	T EOLIIDME	NT				OVERV EO	UIPMENT (A	IDE) 420
OTHER PROCUREINI	ID ID	Prior	ASAVIATIO	N SUPPUR	LEGOIPINE	.IN I	AIRCRA	LAUNC	H AND REC	OVERT EQ	To	LKE) - 4330
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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	Α											
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	Α											
QUANTITY												
COST (In Millions)			(1.47)	(0.34)	(0.61)	(1.31)	(3.90)	(1.05)	(0.97)		CONTINUING	CONTINUING
RECOVERY S/C KITS	Α											
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/	Α											
QUANTITY												
COST (In Millions)		\$143.8										\$143.8
LRLS - CV(N)	В											
QUANTITY				5	6						-	11
COST (In Millions)				\$0.9	\$1.0							\$1.9
LRLS - Shore	В											
QUANTITY	ь		4	5	1							10
COST (In Millions)			\$0.6	\$0.7	\$0.1							\$1.5
,												
ADMACS-ISIS CV(N)	В											
QUANTITY COST (In Millions)				1 \$1.5	5 \$7.7	3 \$4.7						9 \$13.9
				, -	, , , , , , , , , , , , , , , , , , ,	·						, , ,
ADMACS-ISIS LHA/D	В				ļ	ļ		ļ	1		ļ	
QUANTITY					ļ			3	3	3	3	12
COST (In Millions)								\$3.2	\$3.2	\$3.2	\$3.3	\$13.0
IFLOLS - CV(N)	В											
QUANTITY				5	4	1						10
COST (In Millions)				\$6.5	\$5.2	\$1.3						\$13.0
IFLOLS - Shore	В											
QUANTITY				3	7	10	1	1	1		1	20
COST (In Millions)				\$1.5	\$3.5	\$5.0						\$10.0
,												

P-1 SHOPPING LIST ITEM NO. 135 PAGE NO. 2

CLASSIFICATION:

# **UNCLASSIFIED**

E	BUDGE	T ITEM J	USTIFICATION	ON SHEET I	FOR AGGRE	GATED ITE	MS		DATE:			
				P-40a						Feb	ruary 1999	
APPROPRIATION/BUDGE	T ACTI	VITY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUREME			3 AVIATION	SUPPORT	EQUIPMEN <sup>®</sup>	T	AIRC	RAFT LAUN	ICH AND RE	COVERY E	QUIPMENT (AL	RE) - 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	Α											
QUANTITY		50	14									64
COST (In Millions)		\$8.7	\$2.6									\$11.3
MORIAH	В											
QUANTITY					3	5	3	1			16	28
COST (In Millions)					\$0.7	\$1.1	\$0.7	\$0.2			\$2.0	\$4.7
MORIAH - Shore	В											
QUANTITY					2	1						3
COST (In Millions)					\$0.3	\$0.2						\$0.5
VISUAL												
QUANTITY	В							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		Ψ00.2	Ψ1.7	Ψ2.0	Ψ2.0	Ψ	ψ1.0	Ψ2.0	Ψ0.0	Ψ0.0	001111101110	001111101110
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	İ											
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 agai	nst this c	ost element i	reflects total prior	year funding								
associated with cost eleme	ents no lo	nger finance	d 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
. 3			. ,		P-1 SHOPPI			CLASSIFICAT				

ITEM NO. 135 PAGE NO. 3

DD Form 2454, JUN 86

	WEAPONS SYSTE		T ANALYSIS			Weapon Sy	stem							DATE:	
	P.	-5												Februa	ry 1999
APPRO	PRIATION/BUDGET ACTIVITY					ID Code	P-1 ITEM NO	MENCLATU	RE/SUBHEAD						
OTHER	R PROCUREMENT, NAVY / BA 3 AVI	ATION	SUPPORT EQU	IPMENT			AIRCR/	AFT LAUNG	CH AND RE	COVERY	EQUIPMEN	IT (ALRE) -	43SJ		
			TOTAL COST IN TI		OF DOLLARS	3						,			
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999	1		FY 2000				
CODE	ELEIWEIT OF COOT	Code	Years												
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Co
SJ040	Service Change Kits	А	128,077			11,991			2,078			9,697			
	LAUNCHER Catapults - CV(N) Catapult Support Equipment - CV(N)		(1,913) (400)			(4,286) (4,254)			(569)			(1,592) (6,334)			
	VISUAL LANDING AIDS Visual Landing Aids - ACS Visual Landing Aids - CV(N)					(73) (1,393)			(35) (300)			(609)			
	RECOVERY Arresting Gear - CV(N) Helicopter Landing System (HLS) - ACS		(1,384) (280)			(1,372) (613)			(406) (768)			(433) (729)			
N/A	Various 1/		143,786												
SJ210 SJ220 SJ230 SJ232	LRLS - CV(N) LRLS - Shorebased ADMACS / ISIS - CV(N) ADMACS / ISIS - LHA / LHD	B B B		4	153	612	5 5 1	172 147 1,500	861 736 1,500	6 1 5	170 145 1,541	1,020 145 7,705			
SJ232 SJ240 SJ250 SJ260	IFLOLS - CV(N) IFLOLS - Shorebased P-25 FIRE TRUCK	B B A		14	185	2,590	5 3	1,300 500	6,500 1,500	4 7	1,300 500	5,200 3,500			
TBD TBD TBD	MORIAH MORIAH - Shorebased VISUAL	B B B		14	100	2,090				3 2	220 170	660 340			
SJ800 SJ830 SJ860	Integrated Logistics Suppport Production Engineering Acceptance, Test & Evaluation		30,168 57,279 1,729			1,656 3,658 226			2,259 5,125 414			2,273 4,801 574			
SJ900 SJ910	Installation - NFMP Installation - FMP		70,612 5,583			9,872 1,378			6,604 7,779			7,457 5,287			
	The amount identified against this cost ele associated with cost elements no longer fire.														
	M 2446, JUN 86		445,533 OPPING LIST			31,983			35,356			48,659 CLASSIFICA			

PAGE NO.

135

ITEM NO.

# **UNCLASSIFIED**

BUDGET PROCUREME	NT HISTOR	RY AND PI	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE	February 19	99
B. APPROPRIATION/BUDGET ACCOMMENT,		3 AVIATIO	N SUPPORT EQUIP	MENT	C. P-1 ITEM NOM	ENCLATURE AUNCH AND RECOVERY E	QUIPME	•	SUBHEAD	BSJ
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

D. REMARKS

DD Form 2446-1, JUL 87

P-1 SHOPPING LIST ITEM NO. 135 PAGE NO. 5 CLASSIFICATION:

<sup>\*\*</sup> Options to current EMD contract

<sup>\*\*\*</sup> NAWCAD LKE will act as the systems integrator.

DD Form 2446-1, JUL 87

**UNCLASSIFIED** 

<b>BUDGET PROCUREME</b>	NT HISTO	RY AND P	LANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
				- • 					February 19	999
B. APPROPRIATION/BUDGET A					C. P-1 ITEM NON				SUBHEAD	
OTHER PROCUREMENT,	NAVY / BA	3 AVIATIO	N SUPPORT EQUIP	MENT	AIRCRAFT LA	AUNCH AND RECOVERY	QUIPME	NT (ALRE	) 4:	3SJ
					CONTRACT			DATE OF	SPECS	IF NO
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST '(000)	LOCATION OF PCO	RFP ISSUE DATE	METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST DELIVERY	AVAILABLE NOW	WHEN 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			<u> </u>					<u> </u>		

P-1 SHOPPING LIST ITEM NO. 135 PAGE NO. 6 CLASSIFICATION:

CLASSIFICATION: UNCLASSIFIED																					
P3A		INDIVID	UAL MODIFICA	ATION																	
MODELS OF SYSTEM AFFECTED:	VARIOUS	3		TYPE	MODIF	CATIO	ON:	VARI	ous				:	MOD	IFICATION	ON TI	TLE:	LAUN	CHER S/C	: - VAR	IOUS
DESCRIPTION/JUSTIFICATION:																					
Summary page of all Launcher Service	e Changes	that do	not exceed \$5	5 millio	on in eitl	ner bu	ıdget ye	ar or	\$10 mil	lion in	all yea	rs.									
EVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTOI <u>NOT APPLICABLE</u> FY 1997 & Prior FY 1998 FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 TC TOTAL																					
	EV 1007	9 Drior	FY 1998	EV	1000	EV	/ 2000	EV	2001	EV	2002	Ε\.	2002	EV	2004	EV	2005		TC	т	OTAL
	QTY	\$	QTY \$	QTY	1999 \$	QTY		QTY	\$	QTY		QTY		QTY		QTY		QTY	<u>1C</u> \$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)	<u> </u>						<u> </u>						<u> </u>	T	Ψ		Ψ		<u> </u>		<u> </u>
RDT&E																				+	
PROCUREMENT																				+	
INSTALLATION KITS (UNIT COST)																				+ 1	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					0.000															1	
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
	-						ITEM	135	F	AGE	7						CLASSI	FICAT	ION: UNC	LASSII	FIED

CLASSIFICATION: UNCLASS	IFIED																				
P3A (Continued)				INDIVIDU	JAL MODIFICAT	ION (C	ontinued	)													
MODELS OF SYSTEMS AFFE	CTED:	: VAR	RIOUS	3	MC	DIFIC	ATION TI	TLE:	LAUN	CHEF	R S/C - \	/ARI	ous					=			
INSTALLATION INFORMATIO																					
METHOD OF IMPLEMENTATI		VARIOUS			_																
ADMINISTRATIVE LEADTIME		N/A	_				I LEADTII			N/A		-									
CONTRACT DATES:	FY 1			IOUS	FY 2000		VARIC														
DELIVERY DATE:	FY 1	999:	VAR	IOUS	FY 2000	O:	VARIC	US													
								(\$ in	Millions)												
Cost:		or Years		Y 1998	FY 1999		2000		2001		2002		Y 2003		2004		Y 2005	To Com			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																					
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						1 .					- 1							_	_		
FY 1998		FY 199			FY 2001		FY 2002			2003			2004		FY 2005	-	TC				
& Prior	1	2 3	3	4 1	_ 2 _ 3	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TOTA	ıL.		
In *																					
Out *	] [																				
* Various																	146	146	;		
The equi	pment	and installa	tion c	osts repre	sented on this P-	3a are	for individ	lual m	nodification	on pro	ograms	that c	do not exc	eed \$	5 million i	n eith	er budget y		10 million	in all ye	ars.
						ITEM	135	PA	GE	8					CL	ASSIF	ICATION:		SSIFIED		

CLASSIFICATION: UNCLASSIFIED																								
P3A		INDIVID	UAL	MODIFI	CATIC	N																		
MODELS OF SYSTEM AFFECTED:	MK7 JET	BLAST D	EFLE	CTOR			TYP	E MODI	FICATI	ION:	SUPP	ORTAI	BILITY	/ CONF	IGUR/	ATION	_MODI	FICAT	ION TIT	LE:	LAUN	ICH - JET	BLAST DE	FLECTOR
DESCRIPTION/JUSTIFICATION:																								
Launcher Service Change (SHIPALT 7	172) to th	ne MK7 J	Jet Bl	ast Defl	ector	(JBD) i	s an	improve	ed des	ign tha	t is sup	portab	ole, rel	iable, a	nd ma	intaina	able; is	stand	ard acr	oss th	e ship	class; ar	nd is F/A-18	3 Hornet
compatible.										•														
DEVELOPMENT STATUS/MAJOR DEVELO	DMENT I	MII ESTO	NIEC:				NOT	APPLIC	\DI E															
DEVELOPMENT STATOS/MAJOR DEVELO	JE IVILIVI I	WILLSIC	INLS.				NOI	AFFLIC	ADLL															
	FY 1997	& Prior	F١	/ 1997	FY	1998	E,	Y 1999	FΥ	2000	FY	2001	ΕY	2002	FY	2003	FY	2004	FY	2005		TC	TO	TAL
	QTY	\$	QTY		QTY		QTY		QTY		QTY	\$	QTY		QTY		QTY	\$	QTY		QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						· · · · · · · · · · · · · · · · · · ·		
RDT&E																								
PROCUREMENT																								
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		3.676		1.117		6.605															9	14.748

ITEM

PAGE

CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)				INDIVIDU	AL N	IODIFICA	TION	(Continue	ed)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>MK7</u>	JET	BLAST D	EFLE	CTOF MC	DIFIC	CATION T	ITLE:	LAUNC	H - JE	T BLAST	DEFL	ECTOR					_			
INSTALLATION INFORMATIO	ON:																					
METHOD OF IMPLEMENTAT	ION:	SHIPYAI	RD -	SHIP ALT	ERA	TION (SA	)															
ADMINISTRATIVE LEADTIME	≣:					PRODU	CTION	N LEADTI	ME:		Moi	nths										
CONTRACT DATES:	FY	1999:				FY 2000	):	N/A	4													
DELIVERY DATE:	FY	1999:				FY 2000	):	N/A	4													
									(\$	in Millions	z)											
Cost:		Prior `	Year	'S	F	Y 1999	F	Y 2000		Y 2001		Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete	7	Γotal
	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
INOTALL ATION COLIEDIU	_																					
INSTALLATION SCHEDUL FY 1998		FY 1999		ΓV	2000		ΓV	2001		FY 2002	<u> </u>	Ī EV	2003	<del></del>	ΓV	2004	1	FY 2005	-	TC		
& Prior	1	2 3			<u>2000</u> 3			3 4	1	2 3			3	4   1		2004 3 4		2 3	-	<del>  </del>	тот	- 1
	<b>-</b>		4	<u> </u>		- 4   1		3 4	+		4					3 4	╁		4		9	
In 9 Out 6		1	2																		9	
Out 0	<u> </u>	- 1	2									J					1				9	<u>'</u>
																		P-3	3A			
							TEM	135	P	AGE 10						CL	ASSIF	ICATION	: UN	CLASSIFI	ED	

P3A INDIVIDUAL MODIFICATION

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

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 DEVEL	OPMENT	MILESTO	NES:		NOT	APPLIC	ABLE					-										
	FY 1997 QTY	& Prior	<u>FY</u> QTY	<u>′ 1998</u> \$	<u>FY</u> QTY	<u>1999</u> \$	<u>FY</u> QTY	<u>′ 2000</u> \$	<u>FY</u> QTY	<u>2001</u> \$	<u>FY</u> QTY	<u>/ 2002</u> \$	<u>FY</u> QTY	2003 \$	<u>FY</u> QTY	<u>2004</u> \$	<u>FY</u> QTY	<u>′ 2005</u> \$	QTY	TC s	<u>TO</u> QTY	OTAL \$
FINANCIAL PLAN (IN MILLIONS)	<u> </u>	T	<u> </u>	Ψ	<u> </u>	Ψ	<u> </u>	Ψ	<u> </u>	Ψ	<u> </u>	Ψ	QII	Ψ	I	Ψ	QIII	Ψ	T C	<u>Ψ</u>	QII	T
RDT&E																						
PROCUREMENT																						
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
								ITEM	135	P/	AGE	11							CLA	SSIFICATION	ON: UNCL	ASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)			I	INDIVIDU	AL M	ODIFICAT	TION (	(Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>CVN</u>	68 C	CLASS CA	TAP	<u>J</u> LTS MO	DIFIC	ATION TI	TLE:	LAUNCI	H - TR	OUGH C	OVER	S					_			
INSTALLATION INFORMATION																						
METHOD OF IMPLEMENTAT	ION:	SHIPYAR	RD		_																	
ADMINISTRATIVE LEADTIME	-		Mont					I LEADTII	ИЕ:	16	Mor	nths	_									
CONTRACT DATES:	FY 1	1999:	I	N/A	_	FY 2000		N/A	ı													
DELIVERY DATE:	FY 1	1999:	I	N/A	_	FY 2000		N/A	ı													
01		D.:			_	V 4000		V 0000		in Millions		V 0000	T =			7/ 000 /		V 000F	T- 0		<del></del>	T - 1 - 1
Cost:	01	Prior `	rears			Y 1999		Y 2000		Y 2001		Y 2002		Y 2003		Y 2004	_	Y 2005		omplete		Total
INCTALLATION CURRORT	Qty	\$		\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT	40	40.050				0.015		0.022		0.034											-	0.071
PRIOR YEARS	13	16.250																			-	
FY 1997 EQUIPMENT				0.440	4	4 4 5 7															-	
FY 1998 EQUIPMENT			-	0.118	1	1.157															<del>                                     </del>	
FY 1999 EQUIPMENT			-				_	0.507													<del>                                     </del>	
FY 2000 EQUIPMENT							2	2.567													-	
FY 2001 EQUIPMENT													+			-	-					
FY 2002 EQUIPMENT FY 2003 EQUIPMENT																					-	
FY 2003 EQUIPMENT																						
FY 2004 EQUIPMENT																						
TO COMPLETE																						
INSTALL COST - Non-FMP	13	16.250		0.118	1	1.172	2	2.500		0.024											*16	20.163
INSTALL COST - Non-FMP	13	16.250		0.116	!	1.172	2	2.589	<u> </u>	0.034											16	20.163
INSTALLATION SCHEDUL	⊏.																					
FY 1998		FY 1999		EV	2000		EV '	2001	i —	FY 2002	)	EV	2003		EV	2004	<b>-</b> 1	FY 200		TC		
& Prior	1	2 3	4		3	4 1		3 4	1	2 3			3	4		3 4	4	2 3		10	ТОТ	- 1
In 14	ŀ		4	2		4   '			<del>  '</del>		- 4	<u> </u>		-4		3 4	-		4	-	101	
Out 13			4	_	1	4															10	-
Out 13					- 1				l I								_					0
* Type Commander Funded	l instal	llation.																				

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P-3A
CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																				
P3A		INDIVID	UAL	MODIFIC	CATION															
MODELS OF SYSTEM AFFECTED:	C13-2 CA	TAPULT		<u>.</u>	TYPE MOD	IFIC/	TION:	RELL	ABILITY	/ MAI	NTAINA	BILITY	MOD	IFICAT	ION TITI	E:	LAUN	NCH- IMPF	OVED PIST	ON
DESCRIPTION/JUSTIFICATION:																				
Launcher Service Change 633 replace	s existina	C13-2 c	atapı	ılt pistor	ns with an i	mpro	ved desig	ın and	titaniu	n mat	terial wh	ich extends	servic	e life a	nd decr	ease	s mair	ntenance i	nan-hours.	This is a
Type Commander funded installation.																				
Type commander randed metamation																				
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT N	MILESTO	NES:		NOT APPLIC	ABLE					=.									
	FY 1997	9 Drior		/ 1000	EV 1000		EV 2000	EV	2001		/ 2002	EV 2002	EV	2004	EV	0005		TC	TO	ΓΛΙ
	QTY	\$	QTY	<u>′ 1998</u> \$	FY 1999 QTY \$	QT	FY 2000 Y \$	QTY		QTY	<u>/ 2002</u> \$	FY 2003 QTY \$	QTY	<u>2004</u> \$	FY 2 QTY	\$	QTY	<u>TC</u> \$	QTY	¢
FINANCIAL PLAN (IN MILLIONS)	QII	Ψ	QII	Ψ	QII W	Q I	Ι Ψ	QII	Ψ	QII	Ψ	QII V	QII	Ψ	QII	Ψ	QII	Ψ	QII	Ψ
RDT&E																				
<u>PROCUREMENT</u>																				
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	0.06	5	0.064		0.069		0.010									0.359
OTHER - ILS		0.045		0.064	0.01	2	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	0.07	7 4	1.674	7	2.855	4	1.602								24	10.050
			•				ITEM	135	ı	PAGE	13						CLAS	SSIFICATION	ON: UNCLA	SSIFIED

<sup>\*</sup> This is a Ship's Force item with no associated FMP or NFMP installation costs.

CLASSIFICATION: <b>UNCLAS</b> P3A (Continued)	011 12			INDIVID	IIAI M	ODIEICA	TION	(Continue	74)													
I 3A (Continued)				IIIUIVID	OAL IV	ODII ICA	IIOI	(Continue	su)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>C13</u>	-2 C	ATAPUL <sup>-</sup>	Γ	_ MC	DDIFIC	CATION T	TLE:	LAUNCI	H- IMF	ROVED	PISTO	N					_			
INSTALLATION INFORMATION	ON:	ATTRITI	ON																			
METHOD OF IMPLEMENTAT	TION:	SHIP'S I	FOR	CE																		
ADMINISTRATIVE LEADTIME	E:	3	Mor	nths		PRODU	ICTIO	N LEADTI	ME:	15	Mor	nths	_									
CONTRACT DATES:	FY	1999:				FY 2000	):	No	ov-99													
DELIVERY DATE:	FY	1999:				FY 2000	):	Fe	b-01													
										in Millions												
Cost:		Prior	Year		F	Y 1999		Y 2000	F	Y 2001	_	Y 2002		Y 2003		Y 2004	_	Y 2005		omplete		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 SCHEDUL																					_	
FY 1998	3	FY 1999			<u> 2000</u>			2001		FY 2002	-		2003			2004		FY 2005		TC		
				11 4 6	•	4 11 4	2	3 4	1 1	2 3	4	1 2	3	4    1	2	3 4	II 1	2 3	4	11 1	TOT	^ I
& Prior	1	2 3	4	1 2		4 1						<u> </u>										
& Prior In Out	1	1	1	1 1 1	2	2 2 2 2		$\frac{3}{2}$ $\frac{4}{2}$ 2 1		$\frac{2}{2}$ $\frac{3}{2}$ $\frac{3}{2}$ $\frac{3}{2}$	2	2 2					1 '-				24	4

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

 P-3A

 ITEM 135
 PAGE 14
 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																					
P3A		INDIVID	UAL N	MODIFIC	CATIO	N															
MODELS OF SYSTEM AFFECTED:	VARIOUS	1			TYPI	E MODIF	ICATI	ON:	VARI	OUS				-	MODIFICATION	IT NC	TLE:	LAND	DING AIDS S	S/C - VARIO	ous
DESCRIPTION/JUSTIFICATION:																					
Summary page of all Visual Landing Aid	ds (VLA) Se	ervice Cl	nange	es that	do no	t exceed	1 \$5 m	nillion in	either	budget	vear	or \$10 n	nillion	in all ve	ears.						
January page of all victor Landing / In	ao (1 <u>a</u> 1, y o	J. 1.00 G.	.ag		uo	. 0	. φο			zuugot	y ca.	σ. φ.σ		۵ , .							
DEVELOPMENT STATUS/MAJOR DEVELO	PMENT MII	LESTON	ES:		NOT	APPLIC	ABLE					-									
	FY 1997	& Prior	FY	1998	F١	Y 1999	F١	2000	FY	2001	FΥ	2002	FY	2003	FY 2004	FY	2005		TC	TC	TAL
	QTY	\$	QTY		QTY		QTY		QTY		QTY		QTY		QTY \$		\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)																					
RDT&E																					
PROCUREMENT																					
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: UNCLAS	SIFIE	D																				
P3A (Continued)				INDIVIDU	AL MO	DIFICATI	ON (C	ontinued	ı													
MODELS OF SYSTEMS AFF	ECTE	D: VAI	RIOUS	S		МО	DIFIC	ATION TI	TLE:	LANDIN	G AID	S S/C - V	ARIO	JS					-			
INSTALLATION INFORMATION																						
					-																	
ADMINISTRATIVE LEADTIMI			_							N/A												
CONTRACT DATES:																						
DELIVERY DATE:	FY '	1999:	V/	ARIOUS		FY 2000	:	VARIO	US													
									(\$ ir	n Millions)												
Cost:	Pric	or Years	F	Y 1998	FY	1999	F`	Y 2000	F	Y 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To Co	mplete		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	INDIVIDUAL MODIFICATION (Continued   Systems Affected:   Various   Modification title:   Landing Aids s/c - Various   Landing Aids s/c - Various																					
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
INCTALLATION COLEDIN	Е.																					
		V 1000	- —	EV	2000		EV	2001	1	EV 2002		EV	2002		EV	2004	1	EV 200		TC		
	'   ₁ <sup>드</sup>		4			, II ,			4					4   4			4			10	TO	TAI
In *	-  - <u>'</u> -		- 4			4   1			-		- 4					3 4	╁			-		
Out *																						
Out	J L		- —			———			J <u> </u>			<u> </u>		_			J <u> </u>			Ш	#VA	LUE!
* Various The equ	inmon	t and inet	امنادالد	n costs rep	recent	ad on this	P-30	are for inc	lividu	al modifica	tion n	roarame t	hat da	not even	24 ¢5	million in	aither	hudaet w	ar or G	S10 million	in all v	/pare
vanous me equ	PHOLI	t and mot	anauoi	11 00313 1 <b>0</b> p	71030111	54 OH 11115	Ja	are for file	v Iuu	ai illouillo	uon p	rogianis t	nat uu	HOL GACE	υα ψυ	THINOTI III	Citilei	P-3		, 10 111111011	iii aii y	rours.
						IT	ГЕМ	135	D۸	GE 16						CL	ΔΟΟΙΙ	FICATION		I ASSIFIE	.D.	

P3A		INDIVID	UAL I	/IODIFIC	ATIC	10																
MODELS OF SYSTEM AFFECTED:	VARIOUS	3			TYPI	E MODIF	FICAT	ION:	VARI	ous				_	MOE	DIFICATI	ON T	ITLE:	RECO	OVERY S/0	VARI	ous
DESCRIPTION/JUSTIFICATION:																						
Summary page of all Recovery Service	Changes	that do	not e	xceed \$	5 mil	lion in e	ither	budget	year c	r \$10 n	nillion	in all y	ears.									
DEVELOPMENT STATUS/MAJOR DEVEL	OPMENT I	MII ESTO	NES:		NOT	APPLIC	:ΔRI F	:														
DEVELOT MENT OF THE OF	OI WEITH				1101	741 1 210	,, (DLL					-										
	FY 1997			1998		′ 1999		<u>/ 2000</u>		2001		<u> 2002</u>		2003		/ 2004		2005		<u>TC</u>	_	TOTAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																						
PROCUREMENT																						
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

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.

TOTAL PROCUREMENT 46.951 4.318 4.354 4.295 5.692 6.425 6.318 3.983 5.853 4.208 \*\* 92.397

ITEM 135 PAGE 17 CLASSIFICATION: UNCLASSIFIED

\*\* Various

CLASSIFICATION: UNCLASS	SIFIE	D																				
P3A (Continued)				INDIVIDU	IAL N	IODIFICAT	ΓΙΟΝ	(Continue	ed													
MODELS OF SYSTEMS AFFE	CTE	D: VAI	RIOUS	S		_ МО	DIFIC	CATION TI	TLE:	RECOVE	ERY S	/C VARIO	JS									
INSTALLATION INFORMATIO																						
METHOD OF IMPLEMENTATI	ION:	VARIOU	S		_																	
ADMINISTRATIVE LEADTIME		N/A	-					N LEADTI		N/A												
CONTRACT DATES:		1999:		IOUS		FY 2000		VARIC														
DELIVERY DATE:	FY	1999:	VAR	IOUS		FY 2000		VARIC	US													
									(\$	in Millions	)											
Cost:	Pri	or Years	F'	Y 1998	F	Y 1999	F	Y 2000	F'	Y 2001	F`	Y 2002	F'	Y 2003	F'	Y 2004	F`	Y 2005	To C	omplete		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																						
INSTALL COST		21.065		1.161		2.202		2.048		2.675		2.873		1.784		2.243		2.476		3.010	**	41.537
INIOTALL ATION COLUED III	_																					
INSTALLATION SCHEDULI		7/ 4000			0000		<b></b>	0004	1	E)/ 0000		- FV	0000			0004		EV 0005	1	TO		
FY 1998	<u>                                   </u>	Y 1999			2000	11		<u>2001</u>	_	FY 2002			2003			2004	II ,	FY 2005		TC		
& Prior	1	2 3	4	1 2	3	4 1		3	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4		TO	IAL
III																						
Out **									J L								J					
** Various The equi	nman	t and insta	llatio	n coete roi	araca	ntad on thi	c D_າ	a aro for i	odividu	al modified	ation n	roarame th	at do	not ovec	√4 ¢E .	million in a	ithor	hudaat va	ar or '	\$10 million	in all v	oare
vanous The equip	pinen	i anu msia	analiui	11 60313 16	JI 626	ineu on un	3 F -3	a ai c 101 11	iuiviuu	ai iiiouiiica	αιισπ μ	iogranis in	ai uu	not excee	τα φυ ι	TIIIIIOII III E	in iei i	P-3		PIO IIIIIIOII	ııı alı y	cais.
						IT	ЕМ	135	PΔ	GE 18						CL	A S S I F			CLASSIFIE	- D	

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		/ 1 <u>998</u>		1999	_	2000		2001		/ 2002		2003		2004		2005		<u>TC</u>		TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		2.951		6.700		3.930																13.581
<u>PROCUREMENT</u>																						
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

ITEM 135 PAGE 19 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)				INDIVID	UAL M	ODIFICA	TION (	(Continue	ed)													
MODELS OF SYSTEMS AFF	ECTE	D: <u>NE\</u>	N SYS	STEM - C'	V(N)	_ мо	DIFIC	ATION TI	TLE:	ADMACS	S / ISI	IS - CV(N)							_			
::::STALLATION INFORMATION	ON:																					
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD/A	ΑIT																		
ADMINISTRATIVE LEADTIMI	Ε:	1				PRODU	CTION	I LEADTII	ME:	15	Mor	nths										
CONTRACT DATES:	FY	1999:	Ma	ır-99		FY 2000	:	No	v-99													
DELIVERY DATE:	FY	1999:	Ma	y-00	_	FY 2000	:	Fe	b-01													
									(⊈ ir	n Millions)												
Cost:	Pri	or Years	F	Y 1998	F	Y 1999	F,	Y 2000		Y 2001	F	Y 2002	F'	Y 2003	F	Y 2004	T F	Y 2005	To C	complete		Total
000	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SUPPORT				,		•	,	<u> </u>		•		·		•	1	•	1	Ť		,		· ·
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	١						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
INIOTALL ATION COLUEDLI	_																					
INSTALLATION SCHEDUL		TV 1000		il Ev	<sup>'</sup> 2000		EV.	2004	1	EV 2002		ΓV	2002		ΓV	2004		EV 200	F	TC		
FY 1998 & Prior	∐₄ <sup>⊑</sup>	<u>Y 1999</u> 2 3	4	1 2		4   1	2	2 <u>001</u> 3 4	4	FY 2002 2 3	4	1 2	2003 3	4   /				FY 200 2 3		10	TO	ΓΛΙ
In & PIIOI	-		- 4		<u>3</u> 1	$\frac{4}{1} \frac{1}{1}$	1	$\frac{3}{1} \frac{4}{1}$	1	$\frac{2}{1} \frac{3}{1}$	- 4	<del> </del>		4		3 4			4		10	
Out					ı	2   '	1	1 1	1	1 2	1	1										9
Cut	·								· —	1 2		<u>'</u>										,
* Installation funding bas	ed up	on FY of s	start of	f availabil	ity vice	hardware	deliv	ery, includ	les De	esign Servi	ices a	nd Advand	ce Pla	nning.								
i																		D_*	3 7			

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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

	FY 1997	& Prior	FY	′ 1998	FY	′ 1999	F١	2000	FY	2001	FY	2002	FY	2003	FY	2004	FY	2005		TC	TC	TAL
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E		7.980		1.310		0.400																9.690
PROCUREMENT																						
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																						1
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

ITEM 135 PAGE 21 CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)				INDIVIDU	JAL N	IODIFICAT	TION (	Continue	d)													
MODELS OF SYSTEMS AFFI	ECTE	D: <u>MK</u>	13 M	OD 0 (CV(	N))	_ мо	DIFIC	ATION TI	TLE:	IFLOLS	- CV(	N)							_			
INSTALLATION INFORMATIO	ON:																					
METHOD OF IMPLEMENTAT	ION:	SHIPYA	RD - \$	SHIP ALT	ERAT	ION (SA)																
ADMINISTRATIVE LEADTIME	Ξ:	1				PRODUC	CTION	I LEADTIN	ΛE:	18	Mor	nths										
CONTRACT DATES:	FY	1999:		Mar 1999	9	FY 2000		N	lov 19	999												
DELIVERY DATE:	FY	1999:		Sep 200	0	FY 2000		N	1ay 20	001												
									(\$ ir	n Millions)												
Cost:	Pri	or Years	F	Y 1998	F	Y 1999	F	Y 2000		Y 2001	F	Y 2002	F`	Y 2003	F	Y 2004	F	Y 2005	To C	omplete	T -	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 SCHEDUL																				. —		
FY 1998	<u> </u>	Y 1999		· · · · · · · · · · · · · · · · · · ·	2000			<u> 2001</u>		FY 2002			2003			2004		FY 200		TC		
& Prior	1	2 3	4	1 2	_	4 1	2	3 4	1	2 3	4	1 2	3	4 1	2	3 4	1	2 3	4_		TO	
In					1	2 2		2 2		1											1	-
Out	l					1 2	2	1	1	2	1										1	0
* Installation funding bas	ad	an FV at -	.to# -	f availatiii	45	hordus :-	. مادا	المامانية	00 D	ooian Cami	:	and Advers	DI-									
installation funding bas	ea up	OHFT OFS	olail 0	ı avallabili	ty VIC	Haruware	ueiiv	ery, iriciud	es De	esign serv	ices a	inu Auvani	Je Pla	illillig.								

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P-3A
CLASSIFICATION: UNCLASSIFIED

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

	FY 1997	& Prior		1998		1999		<u>/ 2000</u>		2001		2002		2003		2004		2005	OTV	TC _		OTAL O
	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	\$	QTY	<u> </u>
FINANCIAL PLAN (IN MILLIONS)																						
RDT&E																						
<u>PROCUREMENT</u>																						
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

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED P3A (Continued) INDIVID							IDIVIDUAL MODIFICATION (Continued)																
MODELS OF SYSTEMS AFFECTED: MK 14 MOD O (SE						ORE)	_ MO	DIFIC	CATION TI	TLE:	IFLOLS -	IFLOLS - Shorebased											
INSTALLATION INFO	ORMATIC	N:																					
METHOD OF IMPLE	MENTAT	ION:	ALTERN	IATE	INSTALL.	<u>A</u> TION	I TEAM (A	IT)															
ADMINISTRATIVE L	EADTIME	:	1				PRODU	CTIO	N LEADTII	ME:	18	Mor	nths										
CONTRACT DATES:		FY 1999: Mar-99			r-99		:	v-99															
DELIVERY DATE: F			FY 1999: Sep-00				FY 2000	:	Ma	ıy-01													
										(\$ ir	Millions)												
Cost:		Prior Years		FY 1998		FY 1999		FY 2000		F	FY 2001		Y 2002	FY 2003		FY 2004		FY 2005		To Complete		Total	
		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
INSTALLATION SU	PPORT						0.030		0.030		0.120		0.120		0.120								0.420
PRIOR YEARS																							
FY 1997 EQUIPME	NT																						
FY 1998 EQUIPME	NT																						
FY 1999 EQUIPME	NT						0.220	1	0.220	2	0.440											3	0.880
FY 2000 EQUIPME	NT									2	0.440	5	1.100									7	1.540
FY 2001 EQUIPME	NT											2	0.440	8	1.760							10	2.200
FY 2002 EQUIPME	NT																						
FY 2003 EQUIPME	NT																						
FY 2004 EQUIPME	NT																						
FY 2005 EQUIPME	NT																						
TO COMPLETE																							
INSTALL COST - N	on-FMP						0.250	1	0.250	4	1.000	7	1.660	8	1.880							20	5.040
INSTALLATION S		_																					
	FY 1998	<u>F</u>	Y 1999		FY	2000		FY	2001		FY 2002		FY:	2003		FY	2004		FY 200	_	TC		
	& Prior	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		TO	TAL
ln						2	1		2 2	2	2 2	2	2 2	1								2	20
Out		1					1	2	1 1	11 1	2 2	2	2 2	2	2			11				1 2	20

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P-3A
CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLASSIFIED																						
РЗА		INDIVID	UAL N	ODIFIC	ATION	ı																
MODELS OF SYSTEM AFFECTED:	NEW SYS	STEM			TYPE	MODIF	ICATIO	ON:	REC	APITALIZ	ZATIO	NC		_	MOE	IFICAT	ON T	ITLE:	MOF	RIAH		
DESCRIPTION/JUSTIFICATION:																						
MORIAH integrates the measuring and	display o	f Wind a	nd Me	eterologi	cal in	formatio	n into	one int	egrate	ed syste	m. 1	2 CV(N)	, 12	LHA-LH	D, 2	LCC, a	nd 2 A	AGF.				
DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT I	MILESTO	NES:			MSI&II	l Augus	st 1998				_										
	FY 1997	& Prior	ΕV	1998	ΕV	′ 1999	F۱	/ 2000	ΕV	2001	E,	Y 2002	E١	2003	F۷	2004	F۱	′ 2005		TC	TO	TAL
	QTY	\$	QTY		QTY		QTY		QTY		QTY		_		_	\$		\$	QTY		QTY	\$
FINANCIAL PLAN (IN MILLIONS)														1								
RDT&E				0.555		0.715		0.320		0.130												1.720
PROCUREMENT																						_
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

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CLASSIFICATION: UNCLASSIFIED

CLASSIFICATION: UNCLAS	SIFIE	D																				
P3A (Continued)				INDIVID	UAL MO	DIFICATION	ON (C	ontinued														
MODELS OF SYSTEMS AFF	ECTE	D: <u>NEV</u>	V SYS	STEM		MC	DIFIC	CATION T	ITLE:	MORIAH	1								-			
INSTALLATION INFORMATION																						
METHOD OF IMPLEMENTAT	-	AIT / VR1				_																
ADMINISTRATIVE LEADTIMI		5 MONTH	S							12 MONT	HS		_									
CONTRACT DATES:	FY 1	1999:		N/A		FY 2000	):	Fe	eb-00				2001				_					
DELIVERY DATE:	FY 1	1999:		N/A	_	FY 2000	):	Fe	eb-01			FY	2001	: <u> </u>			-					
										Millions)												
Cost:	Pr	rior Years		Y 1998	F۱	/ 1999	F	Y 2000	F	Y 2001		Y 2002		Y 2003		Y 2004				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 SCHEDUL	E.																					
FY 1998		FY 1999		11 -	Y 2000		FY	2001	1	FY 2002		FY	2003		FY	2004	T	FY 2005		TC		
& Prior	ʹl ₁ ٔ	2 3	4	1 1 2		4   1	2	3 4	1 1	2 3	4	1 2		4    1			1 1	2 3	4	-	тот	ΓΔΙ
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Out							1	1 1	¦	1 1	2	'   '	1	_ ₁    ˈ		1				16	28	
				J			- 1	' '	<u> </u>	1 1		<u> </u>				· ·	1 —			10		O
* Installation funding bas	ed upo	on FY of sta	irt of a	availability	/ vice har	dware deli	very,	includes E	Design	Services	and A	Advance P	lannin	g.								
																		P-3	3A			
						ı	ТЕМ	135	PA	AGE 26						CL	ASSII			CLASSIF	ED	

ITEM 135 PAGE 26

#### **UNCLASSIFIED** CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BL	JDGET ACTIVIT	ΓΥ	DA	TE:	
			ОТНЕ	R PROCUREMENT, NAVY /	BA 3 AVIATION SUPPO	ORT EQUIPMENT		February	1999
P-1 ITEM NOMENCLATUR	E		Admin Le	adtime (after Oct1	):	Prod	Leadtime :	*	
AIRCRAFT LAUNCH	AND RECOVERY EQUIPM	ENT (ALRE) - 43SJ		`	1 Month	ı	I	11 M	onths
SJ260 P-25 FIRE TR	RUCK	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 fun					57				
Deliveries from FY 1999 fun	ding								
Deliveries from FY 2000 fun	ding								
Deliveries from subsequent	years' funding								
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
<b>End oy Year Asset Positio</b>	n			22	64	64	64	64	64
Inventory Objective or Curre	ent Authorized Allowance	64	64	64	64	64	64	64	64
Inventory Objective	Actual Training	Other than Trainir	ng	Disposals		Vehicles Eligible	for	Aircraft:	
64	Expenditures	Usage		(Vehicles/Other)		FY 1998 Replac		TOAI:	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replac	ement:	TAI	
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augmen	nt:	Attrition Res:	
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI	
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST ITEM NO. 135 PAGE NO. 27

**UNCLASSIFIED** 

CLASSIFICATION:

Man lame	anufac e and ; Huds	ture:	r's atior			QUIF			Rate	ļ	,	Wea	pon	Sys			Α		RAFT	ΓLAU					OVE	RY E	QUIF	PMEI	VΤ
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lame	e and	Loca	atior	n																									
istle; F	; Huds	on, M	ΛA			SR		8-5		٩X		T Pi Oct			T Af Oct			Initia fg Pl		Mt	eord fg Pl			Tota			Mea		
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								F	ISCAL	_ YEA	R 199	97									FISC	CAL Y	EAR	1998					
s	Q	1	D	В		1996							NDAR	YEAF	R 199	7							•		EAR 1	1998			1
V C	T Y		E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N O L	J U L	A U G	S E P	0 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
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																					1	1			1				
	٧	s Q V T C Y	14 S Q V T C Y 50	S Q D V T E C Y L	S Q D B V T E A L L	S Q D B V T E A O C T T 500 7 43 5	S Q D B 1998 V T E A O N C O T V	S Q D B 1998 V T E A O N D C O E T V C	S Q D B 1998 V T E A O N D J C O E A T V C N	S Q D B 1998 FISC Y L L C O E A E T V C N B	S Q D B 1998 V T E A O N D J F M C Y L L C O E A E A T V C N B R 50 7 43 5 5 5 5 5 5 5 5	S Q D B 1998 FISCAL YEAR CO N D J F M A C O E A E A P T V C N B R R  50 7 43 5 5 5 5 5 5 5 5 5	S Q D B 1998	S Q D B 1998	S Q D B 1998	14 0 14	14 0 14   0   14   0   0   0   0   0   0   0   0   0	14 0 14	14 0 14	14 0 14   0   14	14 0 14   0   14	14 0 14   0   14	14 0 14	14 0 14	14 0 14   0 14	14 0 14   0 14	14 0 14   0 14   0   0   0   0   0   0   0   0   0	14 0 14   0   14   0   0   0   0   0   0   0   0   0	14 0 14   0 14   0   14   0   0   0   0   0   0   0   0   0

# UNCLASSIFIED CLASSIFICATION

BU	DGET ITEM	JUSTIFICA	ATION SHE	EET						DATE	Februa	ry 1999
APPROPRIATION/BU OP,N - BA3 AVIATIO				1				P-1 ITEM NON METEOROLOG			SUBHEAD 53SP	
	PY		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	то сомр	TOTAL
QUANTITY												
COST (in millions)			\$17.2	\$28.4	\$31.5	\$31.8	\$31.9	\$32.3	\$33.6	\$34.3	Cont.	Cont.

PROGRAM COVERAGE/JUSTIFICATION FOR BUDGET YEAR REQUIREMENTS:

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:

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.

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.

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.

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.

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.

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.

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.

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

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 1 of 12 Exhibit P-40

# UNCLASSIFIED CLASSIFICATION

## **COST ANALYSIS**

DATE:

February 1999

B. APPROPRIATION/BUDGET ACTIVITY	C. P-1 ITEM NOMENCLATURE	SUBHEAD
OP,N - BA3 AVIATION SUPPORT EQUIPMENT	METEOROLOGICAL EQUIPMENT 4226	53SP

							TOTA	L COST	IN TH	OUSANDS (	OF DO	LLARS				
G O GTT									FY 19	998		FY 1	999		FY 2	2000
COST	ELEMENT OF COST	IDENT CODE		TOTAL	QTY	UNIT	TOTAL	QTY	UNIT	TOTAL	OTV	UNIT	TOTAL	OTV	UNIT	TOTAL
CODE	ELEVIENT OF COST	CODE	AII	COST	-	COST	COST	811	COST	COST	811	COST	COST		COST	COST
	AN/SMQ-11 UPGRADES - SPACE	A						VAR			VAR		2,600	VAR		2,434
	TESS UPGRADES	A						VAR		7,420	VAR		10,321	VAR		11,099
	MORIAH	A N/A						VAR		£ 000	VAR VAR		225 6,900	VAR VAR		3,595
	MET EQUIPMENT SUPPLEMENTAL WEATHER RADAR	N/A N/A						VAK		5,283	VAR 5	775	3,875	VAR 1	794	5,745 794
	MEASURE	N/A									VAR		240	VAR		950
	AVIATION SAFETY SYS UPGRADES	N/A									VAR		1,028	VAR		1,097
																·
apaa o	IN IGHT ALL GLIODE	37/4						TIAD		4.407	1 / A D		4 505	TIAD		4.000
	INSTALL SHORE INSTALL SHIP	N/A N/A						VAR VAR			VAR VAR		1,535	VAR VAR		1,230
SP///	INSTALL SHIP	IN/A						VAK		2,341	VAK		1,651	VAK		4,560
	INSTALL									2,221			1,551			4,435
	DSA									120			100			125
	TOTAL PROGRAM									47.470			00.0			04 704
	TOTAL PROGRAM									17,150			28,375			31,504

**DD FORM 2446, JUN 86** 

P-1 SHOPPING LIST

**ITEM NO. 136** 

PAGE NO. 2 of 12

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

**DD FORM 2446, JUN 87** 

P-1 SHOPPING LIST ITEM NO. PAGE NO. Exhibit P-5A UNCLASSIFIED CLASSIFICATION 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		03	FY		FY	05	TO	2	To	otal
	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	S	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training 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
Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 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	0.9	0	0.0	196 0 0	5.8 0.0 0.0 0.0
FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TC EQUIP							28	0.7	28	0.9	28	0.9	28	0.8	28	0.8	28	0.8	28	0.9			28 28 28 28 28 28 28 28 28	0.7 0.9 0.9 0.8 0.8 0.8 0.9
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.7		0.9		0.9		0.8		0.8		0.8		0.9		0.0		5.8
TOTAL PROCUREMENT COST		0.0		0.0		0.0		2.3		2.4		2.4		2.5		2.6		2.6		2.8		0.0		17.6
METHOD OF IMPLEMENTATION:								ADMINI	STRATIVE	LEADTIN	ME:	2 MONT	HS		PROCUR	EMENT L	EADTIME:	:	3 MONT	HS				
CONTRACT DATES:	FY 199	8:							FY 1999:		VAR					FY 2000:		VAR						
DELIVERY DATES:	FY 199	8:							FY 1999:		VAR					FY 2000:		VAR						
INSTALLATION SCHEDULE: PY	1	2 2	7 99 3	4		1	FY 2	00 3	4		1	EY 2	3	4	=									
INPUT	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										
		FY	02				FY	03				FV	04				FY	05						
INSTALLATION SCHEDULE:	1	2	3	4		1	2	3	4		1	2	3	4	_	1	2	3	4		TC			TOTAL
INPUT	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					

<sup>\*</sup> Quantities reflect platforms.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 4 of 12

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)

FINANCIAL PLAN: (\$ in millions)										_												_	_	_	_
		Qtv P		Qty	7.97		98		' 99 S	Qty	Z 00 S	Qty	7 01 S	Qty	02 S	Qty	03 S	Qty	′ 04 S	FY Qty	_05 	Qty	U S	Qty	otal
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment		Qty	S	Qty	S	Qty VAR	0.9	Qty VAR	1.0	VAR	1.0	VAR	1.0	VAR	1.1	VAR	1.2	VAR	1.2	VAR	1.2	CONT	5	VAR	8.6
Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP		0	0.0	0	0.0	26 26	0.6	25 25	0.1	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	0	0.0	201 0 0 26 25	4.3 0.0 0.0 0.6 0.1
FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TC EQUIP								25	0.1	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6	25	0.6			25 25 25 25 25 25 25 25	0.6 0.6 0.6 0.6 0.6 0.6 0.6
TOTAL INSTALLATION COST			0.0		0.0		0.6		0.1		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		0.0		12.9
METHOD OF IMPLEMENTATION:									ADMINI	STRATIVE	E LEADTI	ME:	2 MONT	HS		PROCUR	EMENT L	EADTIME	l:	3 MONT	HS				
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	1	EY 2	7 99 3	4	=	1	EY 2	00 3	4	=	1	FY 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										
			FY	02				FY	03				FY	04				FY	05						
INSTALLATION SCHEDULE:		1	2	3	4		1	2	3	4		1	2	3	4		1	2	3	4		TC			TOTAL
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					

<sup>\*</sup> Quantities reflect shore sites.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 5 of 12

MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHIP)

TESS UPGRADE PROCURES TERMINALS, INPUT/OUTPUT CONTROL DEVICES AND SOFTWARE TO SUPPORT THE EVOLUTIONARY ACQUISITION OF TESS.

### DEVELOPMENT STATUS/MAJOR DEVELOPMENT MILESTONES:

DEVELOPMENT STATUS/MAJOR DEVELO	OPMENT MII	LESTONES:																							
FINANCIAL PLAN: (\$ in millions)		D	Υ	EV	7 97	FV	98	FV	99	FV	00	EV	Y 01	EV	02	FV	03	FV	04	FV	05	TO	~	То	otal
		Qty	S	Qty	S	Qty	S	Qty	S	Qty	S	Qty	S	Qty	S	Qty	_05 S	Qty	S	Qty	S	Qty	S	Qty	S
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training 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
Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP		27 27	1.0 1.0	27 27	1.3 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 27 27 28 28	20.6 1.0 1.3 2.3 1.0
FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY TO EQUIP										28	3.7	28	2.1	28	2.3	28	2.3	28	2.3	28	2.3			28 28 28 28 28 28 28	3.7 2.1 2.3 2.3 2.3 2.3 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		20.6
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		66.3
METHOD OF IMPLEMENTATION:									ADMINI	ISTRATIVE	E LEADTIN	ME:	2 MONT	ΓHS		PROCUR	EMENT I	EADTIME	:	4 MONT	HS				
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	1	2	Y 99 3	4	-	1	2	3	4	-	1	2	Y 01 3	4	-									
INPUT	82	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										
			F	Y 02				FY	03				E	Y 05				FY	05						
INSTALLATION SCHEDULE:		1	2	3	4	_	1	2	3	4	_	1	2	3	4	_	1	2	3	4	-	TC			TOTAL
INPUT		7	7	7	7		7	7	7	7		7	7	7	7		7	7	7	7					

<sup>\*</sup> Quantities reflect platforms.

OUTPUT

P-1 SHOPPING LIST
ITEM NO. PAGE NO.
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7 7 7 7

7 7 7 7

MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: DESCRIPTION/JUSTIFICATION: SP190 - TACTICAL ENVIRONMENTAL SUPPORT SYSTEM (TESS) UPGRADE (SHORE)

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	07	FY	08	FY	99	FY	00	FV	01	EV	02	FY	03	FV	04	FY	05	TC	,	Tot	tal
		Qty	S	Qty	S	Qty	S S	Qty	. S	Qty	S	Qty	S	Qty	S	Qty	S	Qty	S	Qty	\$ \$	Qty	s	Qty	S
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other		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	3	VAR	58.7
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 03 EQUIP FY 04 EQUIP		49 49	1.3 1.3	49 49	1.4	49 49	0.6	77	0.9	77 77	0.5	77	0.5	77 77	0.5	77	0.7	77	0.7	77	0.7	0	0.0	686 49 49 49 77 77 77 77 77	7.8 1.3 1.4 0.6 0.9 0.5 0.5 0.7
FY 05 EQUIP FY TC EQUIP																				77	0.7			77 0	0.7 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
			5.8		5.0		3.6		7.1		7.2		7.3		7.1		7.6		7.8		8.0		0.0		66.5
TOTAL PROCUREMENT COST			3.6		3.0																				
METHOD OF IMPLEMENTATION:			5.6		3.0				ADMINI	STRATIVE		ME:	2 MONT	HS		PROCUR	EMENT L	EADTIME	:	4 MONT	HS				
		FY 1998:	5.6	VAR	5.0				ADMINI	STRATIVE FY 1999:		ME: VAR	2 MONT	HS			FY 2000:		: VAR	4 MONT	HS				
METHOD OF IMPLEMENTATION:		FY 1998: FY 1998:		VAR	3.0						LEADTIN									4 MONT	HS				
METHOD OF IMPLEMENTATION:  CONTRACT DATES:  DELIVERY DATES:					4		1		ADMINI 00 3	FY 1999:	LEADTIN	VAR		'01 3	4		FY 2000:		VAR	4 MONT	HS				
METHOD OF IMPLEMENTATION:  CONTRACT DATES:  DELIVERY DATES:			FY	VAR			1 19	FY	_00	FY 1999: FY 1999:	LEADTIN	VAR	FY		20		FY 2000:		VAR	4 MONT	HS				
METHOD OF IMPLEMENTATION:  CONTRACT DATES:  DELIVERY DATES:  INSTALLATION SCHEDULE:	PY_	FY 1998:	FY 2	VAR 199 3	4		1 19 19	F <u>Y</u> 2	00 3	FY 1999: FY 1999:	LEADTIN	VAR VAR	FY 2	<sup>7</sup> 01 3			FY 2000:		VAR	4 MONT	HS				
METHOD OF IMPLEMENTATION:  CONTRACT DATES:  DELIVERY DATES:  INSTALLATION SCHEDULE:	<u>PY</u> 49	FY 1998:	FY 2 19 19	VAR 799 3	4 20			FY 2	.00 3 19 19	FY 1999: FY 1999: 4 20	LEADTIN	VAR VAR  1 19	FY 2 19 19	7 <u>01</u> 3	20		FY 2000:		VAR	4 MONT		TC			TOTAL

### \* 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.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 7 of 12

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)

FINANCIAL PLAN: (\$ III HIIIIIOIIS)	PY	FY 97	FY 98	FY 99	FY 00	FY 01	FY 02	FY 03	FY 04	FY 05	TC	Total
	Qty S	Qty S	Qty \$	Qty \$	Qty S	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty \$	Qty S
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring  = Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other		10		VAR 0.2	VAR 3.4	VAR 4.7	VAR 4.8	VAR 5.0	VAR 5.4		CONT	VAR 23.5
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 05 EQUIP FY 07 EQUIP FY 07 EQUIP FY 08 EQUIP	0 0.0	0 0.0	0 0.0	0 0.0	0 0.0	53 1.9 53 1.9	60 2.0	69 1.8 69 1.8	50 2.1 50 2.1	0 0.0	0 0.0	232 7.6 0 0.0 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
TOTAL INSTALLATION COST	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
				ADMIN	ISTRATIVE LEADTI	IME: 2 month	hs	PROCUREMENT I	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	_ 1 2	FY 99 3 4	11	FY 00 2 3	4	1 2	Y 01 3 4	_				
INPUT						13 13	13 14					
OUTPUT						13 13	13 14					
		TTV 00		FW 00					TW 05			
INSTALLATION SCHEDULE:	1 2	FY 02 3 4	1	FY 03 2 3	4	1 2	Y 04 3 4	1	FY 05 2 3	4	TC	TOTAL
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

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 8 of 12

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)
----------------------------------

THV HVEN ELTER HV. (O III HIIIIOTIS)	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 S	Qty \$	Qty \$	Qty S
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other					VAR 0.2		VAR 0.3	VAR 0.3	VAR 0.3	VAR 0.3	CONT	VAR 1.6
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 04 EQUIP FY 05 EQUIP FY 05 EQUIP	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	0 0.0	35 1.1 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
FY TC EQUIP TOTAL INSTALLATION COST	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.3	0.2	0.2	0.0	0 0.0
TOTAL INSTALLATION COST	0.0		0.0	0.0	0.0		0.2	0.6	0.2	0.5	0.0	2.7
					ISTRATIVE LEAD			PROCUREMENT L		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	12	FY 99 3 4	111	FY 00 2 3	4	1 2	Y 01 3 4	_				
INPUT						1 1	1 1					
OUTPUT						1 1	1 1					
Control						1 1	1 1					
		EV.00		FW 00					FW 05			
INSTALLATION SCHEDULE:	1 2	FY 02 3 4	1	FY 03 2 3	4	1 2	Y 04 3 4	1	FY 05 2 3	4	TC	TOTAL
INPUT	2 2	2 1	2	2 2	2	2 2	2 2	2	2 2	2		35
OUTPUT	2 2	2 1	2	2 2	2	2 2	2 2	2	2 2	2		35

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 9 of 12

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)

FINANCIAL PLAN: (\$ in millions)																									
			PΥ		97		Y 98		7 99		7.00		01		02		03		7 04		Y 05	TO			otal
RDT&E		Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	\$	Qty	S	Qty	S
PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders		1	1.0	3	2.3			5	3.8	1	0.8													10	7.9
Data Training Equipment Support Equipment Other Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP		0	0.0	0	0.0	4 1 3	0.1 0.03 0.07	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 1 3 0	0.5 0.0 0.1 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 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	ļ	0.0		0.5
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:			1.0		2.3		0.1		4.1 ADMIN	ISTRATIV	0.9 E LEADTI	ME:	0.0 2 MONT	'HS *	0.0	PROCUR	0.0 REMENT L	.EADTIMI	0.0 E:	4 MONT	0.0 THS *		0.0		8.4
CONTRACT DATES:		FY 1998								FY 1999		Nov-98	ı				FY 2000:		Nov-99	,					
																			1404 00						
DELIVERY DATES:		FY 1998								FY 1999	:	Mar-99					FY 2000:	:	Mar-00	1					
INSTALLATION SCHEDULE:	PY	1	2 2	7 99 3	4	_	1	EY 2	Z 00 3	4	_	1	FY 2	7 01 3	4	=									
INPUT	4			3	2				1																
OUTPUT	2	2			3		2			1															
INSTALLATION SCHEDULE:		1	E 2	7 02 3	4		1	E\ 2	Z 03 3	4		1	FY 2	7 02 3	4		1	EY 2	7 03 3	4		TC			TOTAL
INPUT					-	-		~			-		~	-		-		~			-				10
OUTPUT																									
Ourul																									10

<sup>\*</sup> 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.

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 10 of 12

MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: SP550 - AVIATION SAFETY SYSTEM UPGRADES (SHORE)

DESCRIPTION/JUSTIFICATION:

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:

FINIAN	TAIDI	DI A NI-	(S in 1	millione)

FINANCIAL PLAN: (\$ in millions)	_								_														_	
		Y S	Qtv	7 97 S	FY. Qtv	.98 S	Qtv	99 S		′ 00 S	Qtv	01 S	FY Otv	02 S	FY	.03 S	Qtv	04 S		′ 05 S	TC	s	To Qtv	tal S
RDT&E PROCUREMENT: Kit Quantity Installation Kits Installation Kits Nonrecurring Equipment Equipment Nonrecurring Engineering Change Orders Data Training Equipment Support Equipment Other	Qty	8	Qty	S	Qty	5	VAR	1.0	Qty VAR	1.1	VAR	1.1	VAR	1.4	Qty VAR	1.4	VAR	1.5	Qty VAR	1.5	CONT	5	VAR	9.0
Interim Contractor Support Installation of Hardware* PRIOR YR EQUIP FY 97 EQUIP FY 98 EQUIP	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	0	0.0	350 0 0	1.1 0.0 0.0 0.0
FY 99 EQUIP FY 00 EQUIP FY 01 EQUIP FY 02 EQUIP FY 03 EQUIP FY 04 EQUIP FY 05 EQUIP FY 07 EQUIP FY 10 EQUIP FY 10 EQUIP							50	0.2	50	0.0	50	0.1	50	0.2	50	0.2	50	0.2	50	0.2			50 50 50 50 50 50 50 50	0.2 0.0 0.1 0.2 0.2 0.2 0.2 0.2
TOTAL INSTALLATION COST		0.0		0.0		0.0		0.2		0.0		0.1		0.2		0.2		0.2		0.2		0.0		1.1
TOTAL PROCUREMENT COST METHOD OF IMPLEMENTATION:		0.0		0.0		0.0		1.2	STRATIVI	1.1	Æ.	1.2 VAR		1.6	PROCUR	1.6	ZA DYTINAE.	1.7	VAR	1.7		0.0		10.1
WETHOD OF INFLEWENTATION.								ADMINI	SIRAIIVI	LEADIN	VIE.	VAR			rkocok	EIVIEIVI LI	EADIINE.	•	VAR					
CONTRACT DATES:	FY 1998	:							FY 1999	:	VAR					FY 2000:		VAR						
DELIVERY DATES:	FY 1998	:							FY 1999	:	VAR					FY 2000:		VAR						
INSTALLATION SCHEDULE: PY	1	E) 2	7 99 3	4	-	1	FY 2	00 3	4	=	1	FY 2	' 01 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										
		FY	7 02				FY	03				FY	04				FY	05						
INSTALLATION SCHEDULE:	1	2	3	4	-	1	2	3	4	_	1	2	3	4		1	2	3	4	_	TC			TOTAL
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

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### UNCLASSIFIED

### CLASSIFICATION

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			PRODUCTION RATE			PROCUREMEN	T LEADTIMES			
	Manufacturer's				ALT Prior	ALT After	Initial	Reorder		Unit of
ITEM	Name and Location	MSR	1-8-5	MAX	to Oct 1	Oct 1	Mfg PLT	Mfg PLT	Total	Measure

NAVMAT FORM 7110/4 (REVISED 11/77)

P-1 SHOPPING LIST ITEM NO. PAGE NO. 136 12 of 12

UNCLASSIFIED CLASSIFICATION

## **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	TION SHEE	ĒΤ			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/B	UDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCU	REMENT, NA	AVY/BA	-3 AVIATIO	N SUPPOR	T EQUIPME	NT	OTHER PHOT	TOGRAPHIC E	QUIPMENT -	Y3SX		
Program Element for	Code B Items:						Other Related	Program Elem	nents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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:

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PAGE NO. 1

# **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
REWSON: Reconnaissance Electronic Warfare Special Operations Navy	
This line procures photographic film processing, printing, and film interpretation equipment for the exclusive supports the mission of the F-14 Tactical Airborne Reconnaissance Pod System (TARPS) as well as related Carrie intelligence photography collected by the embarked Air Wing (nine squadrons) and deployed Carrier Battle Group	er Intelligence Center (CVIC) photographic requirements, and the hand held
This equipment also supports the photographic intelligence that is disseminated from internal and National sources NATO forces as well. TARPS remains the only tactical aerial photographic reconnaissance asset in theater and is	
This line also procures digital equipment for the exploitation, interpretation, and printing of digital imagery downlink exploitation of video imagery from tactical and strategic reconnaissance systems (including FLIR).	xed from TARPS. The digital suites can be expanded in the future to be used for
NOTE: Funding previously reflected under Y3S4 (Rewson Photographic Equipment) for FY00-05 has been moved	d to this Subhead.
P-1 SHOPPING LIST	CLASSIFICATION:

DD Form 2454, JUN 86

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# **UNCLASSIFIED**

E	BUDGE	T ITEM JU	ISTIFICATION	ON SHEET	FOR AGGRI	EGATED IT	EMS		DATE:			
				P-40a						Februa	rv 1999	
APPROPRIATION/BUDG	SET ACT	IVITY					P-1 ITEM NON	MENCLATURE			,	
OTHER PROCURE	MENT.	NAVY/ BA	-3 AVIATIO	N SUPPOR	T EQUIPME	NT		OTHER F	HOTOGRAPH	IC EQUIPMEN	IT - Y3SX	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000 **	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
Electronic Workstation	Α											
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	7,85
Digital SLR Color Camera	Α											
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	4,68
Digital Base Station	Α											
Quantity		0	0	0	4	4	4	4	4	4	21	45
Funding		0	0	0	660	680	700	720	740	760	4315	8,57
Other Costs		62,584	228	263	736	645	630	636	659	676	3,238	70,29
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 mee	t inventor	y objective plu	s losses.									
** Effective FY 2000, funding	l ng previοι	usly identified	under the REWS	SON Photograph	l nic Equipment lin	ne (BLI 425600)	transitions to thi	s line item for co	l nsolidation purp	oses.		
<u> </u>												
		<u>.                                      </u>	l		P-1 SHOPPIN	NG LIST		CLASSIFICAT	ION:	l		

DD Form 2454, JUN 86 ITEM NO. 137 PAGE NO. 3

	WEAPONS SYSTEM CO P-5	ST AN	ALYSIS			Weapon Sy	/stem						DATE: <b>Feb</b> i	ruary 1999
OTHER	PRIATION/BUDGET ACTIVITY R PROCUREMENT NAVY AVIATION SUPPORT EQUIPMENT					ID Code	P-1 ITEM NO		URE/SUBHE APHIC EQ		T - Y3SX			
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS								
COST	ELEMENT OF COST	ID Code	Prior Years	0	FY 1998	T-1-1-01	0	FY 1999	TatalOcat	0	FY 2000	Tatal Ocat		
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
SX008	PHOTO EQUIPMENT UNDER \$100K	А	301			10			9			31		
	DIGITAL COLOR PRINTER	Α	268			l c			0			0		
	ELECTRONIC WORKSTATION SYSTEM	Α	3,726	2	140	280	2	140	280	1	145	145		
SX021	DIGITAL SLR COLOR CAMERA	Α	1,728	10	27	270	3	26	78	6	24	144		
	MISC SMALL EQUIP & ECPS	Α										125		
	(PREVIOUS S4019 OF Y3S4) *													
SX100	DIGITAL BASE STATION	Α								4	165	660		
	(PREVIOUS S4100 OF Y3S4) *													
SX830	PRODUCTION ENGINEERING &		639			69			41			353		
	LOGISTICS SUPPORT													
SX900	INSTALLATION (NON-FMP)		2,934			149			213			227		
	VARIOUS OTHER COSTS, FY 97 & PRIOR													
	OTHER PHOTOGRAPHIC EQUIPMENT**		58,442											
	* Effective EV 2000 for discount is a little of	 	 	NI Dhata	his Fauter		405000) to	 	. Ilaa leesa Coo					
	* Effective FY 2000, funding previously identifi	iea unde I	r the KEWSO	in Photogra	pnic ⊑quipm I	ient line (BLI I	4∠5600) trans	sitions to this	s line item for	consolidatio	on purposes. I			
	** The amount identified against this cost elem	ont rofle	ete total prior	voor funding	n accociatod	   with OTHE			DMENIToost A	l Nomonte no	l Longor finar	ocod in EV 10	O7 and hoverd	
	The amount identified against this cost elem			year runum(	y associated		 		i ivi∟ivituost (	 	iongeriinar 	10 <del>0</del> 0 111 FT 19	aria beyond.	· [
			68,038			778			621			1,685		
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DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 137 PAGE NO. 4

<b>BUDGET PROCUREM</b>	IENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
				,				Fe	ebruary 1	999
B. APPROPRIATION/BUDGET OTHER PROCUREME BA 3 - AVIATION SUP	NT NAVY	JIPMENT			C. P-1 ITEM NON	MENCLATURE DTOGRAPHIC EQUIPME	ENT - Y3S	SX		
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

DD Form 2446-1, JUL 87

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

P-1 SHOPPING LIST ITEM NO. 137 PAGE NO.5 Classification:

FY 2000/01 PRESIDENT'S BUD			JUCTI	ON S	CHED	ULE	<u>:, P-</u>	21										DATE	: Fel	oruary	1999	, The state of the								
APPROPRIATION/BUDGET AC												'	Wea	pon	ı Sys	stem		P-1	ITE	ΜN	ОМ	ENC	CLA:	TUR	E					
OTHER PROCUREMENT/AVIAT	FION S	SUPP	ORT I	<u> EQUIF</u>	MEN.	Т															OTO	)GR	ΙAΡ	HIC	EQL	JIP -	Y3	SX		
							Pro	duct	ion I	Rate	,				Proc			Lea	adtin	nes										
			nufactu				_						T Pr			T Af			Initia			eord				_		Un	it of	
Item			and L	ocatio	'n	MS	SR		8-5	M	AX	to	Oct	: 1	(	Oct 1	ı	M	fg P	LT	M	fg P	<u>LT</u>		Tota			Mea	asure	Э
Electronic Workstation System	Vario							N/A							Ĺ	9			3			3		<u> </u>	12			EΑ		
Digital SLR Color Camera			dak, R	chest	er			N/A							Ĺ	9			3			3		<u> </u>	12			EΑ		
Digital Base Station	Vario	us				N/	/A	N,	/A	N/	/A	<u> </u>			<u> </u>	9 m	os		3 m	os		3 m	108	<u> </u>	12	mos		EΑ		
								<u> </u>				<u> </u>			<u> </u>									<u> </u>						
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						<u> </u>									Щ.									Ш,						
l '	'		1 '	1 '	<b>1</b> '				F	ISCAL	_ YEA	AR 199										FISC		YEAR						
ITEM / MANUFACTURER	F	S	Q	D	В		1997			т		_ C	ALEN	IDAR	YEAR	1998	3						CA	LEND	AR YE	EAR 1	1999			اِ ا
	Υ	V	T Y	E L	A L	0	N	D	J	F	М	Α	М	J	J	A	S	0	N	D	J	F	М	Α	М	J	J	A	S	B A
'	'		1 ' '	' '	' '	C T	0 V	E	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A	U N	U L	U	E P	L
	<del> </del>	<b></b>	<del></del>	<b>├</b> ──	<del> </del> '		, v	<u> </u>			<u>'``</u>	<u> </u>	$\vdash$		┝╧┥	<del>-  </del>		'	v v		.,		'`	+``	+		⊢	<del>                                     </del>	<del>                                     </del>	<b>  </b>
Electronic Workstation Systems	98	N	2	0	2									Α	1		2						+	1	+			-		0
Electronic Workstation Systems	99	N	2	0	2																					Α			2	0
Digital SLR Color Camera	98	N	10	0	10									Α			10					ļ	<u> </u>			_	<u> </u>	-		0
Digital SLR Color Camera	99	N	3	0	3		-	-					$\vdash \vdash \vdash$		1	$\vdash$						-	-	1	+-	Α		+	3	0
Digital Base Station	98	N	3	0	3						-		$\vdash \vdash \vdash$	Α	1	-	3					-		_	-	1		+		0
Digital Base Station	99	N	3	0	3												Ť						-			Α			3	0
	<u> </u>			<u> </u>																				<u> </u>						
									F	-ISC	AL Y	′EAR	200	0							F	:ISC	AL ۱	/EAF	R 200	01				
ITEM / MANUFACTURER	F	S	Q	D	В		199	9	1			CA	LENI	DAR	YEA	R 2	000					(	CAL	END	AR Y	′EAF	₹ 200	)1		l
1	Υ	V	Т	Ε	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М		М	J	J	Α	S	В
1	'	С	Υ	L	L	С	0	E	Α	E	Α	Р	Α	U	U	U	Е	С	0	E	Α	E	Α	Р	Α	U	U	U	E	Α
	₩	<u> </u>	<u> </u>	<b></b> -'	<b></b> '	Т	V	С	Ν	В	R	R	Υ	N	<u> </u>	G	Р	Т	V	С	Ν	В	R	R	Υ	N	ĻĿ	G	Р	LL
Electronic Workstation Systems	00	N	1	0	1		-	-						Α			1					-	-	-	-	-		-		0
Liectionic workstation cystems	00	14	<u> </u>		<u> </u>									$\cap$								-	-	1	+	-	<u> </u>	+		- U
Digital SLR Color Camera	00	N	6	0	6									Α			6													0
Digital Base Station	00	N	4	0	4		_							Α			4					ļ	<u> </u>	_				-		0
			<u>-</u>		<u></u> '		-						$\vdash$		1	-	_					-	-	-	-	-		-		
Remarks:	<u> </u>	<u> </u>	<u> </u>	<b>1</b> )	<u> </u>				<u>.</u>		I		1		<u>i</u> 1									<u> </u>				<u> </u>		i
Effective FY 2000, funding previously	y identi	ified ur	nder th	e REW	/SON F	Photo	ograr	ohic I	Equi	pmer	nt line	e (BL	_I 42!	5600	)) trar	nsitic	ns to	o this	s line	item	n for	cons	solid	ation	purr	ose	s			

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

311/244 ITEM NO 137 PAGE 6 Exhibit P-21 Production Schedule

CLASSIFICATION: UNCLASSIFIED																							
РЗА		INDIVID	UAL I	MODIFIC	OITA	N																	
MODELS OF SYSTEM AFFECTED:	CVs, CVN	ls, CNET, I	PNCLA	4			TYPE	MODIF	ICATI	ON:				=.			MOD	IFICATIO	ON TI	TLE:	Digita	l Photo L	ab (Phase II)
																	Date	: Februa	ry 199	99			
DESCRIPTION/JUSTIFICATION:																							
Fund transition CV/CVN Photo Lab from tra	ditional "we	et" film to	digital	imagery	. Pha	se II pro	vides	addition	al syst	ems and	capab	ilities ab	ove P	hase I sui	tes.								
L DEVELOPMENT STATUS/MAJOR DEVELO	DMENT M	II ESTON	EQ. (	Dhaca L	compl	otod EV	05)																<u> </u>
	TO IVILIATE IVI	ILLSTON	LS. (	riiase i	compi	eleu i i	93)																1
	EV 100	7 & Prior	F۷	1998	ΕV	1999	F۷	2000	F۷	2001	ΕV	2002	ΕV	2003	ΕV	2004	F۷	2005		TC	т	OTAL	1
	QTY	\$			QTY			\$	QTY		QTY		QTY				QTY			<u>10</u> \$	QTY		1
FINANCIAL PLAN (IN THOUSANDS)	<u> </u>	<u> </u>	3,1	Ψ	3, 1	Ψ	3,1	Ψ	σ. ι	Ψ	٠, ١	Ψ	٠, ١	Ψ	٠.١	Ψ	3,1	Ψ	3,1	Ψ 	Q.1	Ψ	I
																							1
RDT&E																							1
<u>PROCUREMENT</u>																							1
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	1
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	1
INSTALLATION KITS NONRECURRING																							1
EQUIPMENT																							1
EQUIPMENT NONRECURRING																							1
ENGINEERING CHANGE ORDERS																							1
DATA																							1
TRAINING EQUIPMENT																							1
SUPPORT EQUIPMENT																							1
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	1
OTHER																							1
OTHER																							1
INTERIM CONTRACTOR SUPPORT																							1
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	1
TOTAL PROCUREMENT		7.299		0.498		0.534		0.438		0.357		0.355		0.359		0.370		0.379		3.475		14.064	1
									ľ	TEM 137		P/	GE 7							CLASS	FICAT	ION: UN	CLASSIFIED

CLASSIFICATION: UNC	CLASSIFIE	D																						
P3A (Continued)						INDIVIDU	AL M	ODIFICAT	TION (	Continue	d													
MODELS OF SYSTEMS	AFFECTE	D: <u>CV</u>	/s, CVN	Ns, CNET,	PNCLA			_		ATION TI		Digital P	hoto L	ab (Phase	e II)						_			
INSTALLATION INFORM	MATION:									,														
METHOD OF IMPLEME	NTATION:	Depot Fi	eld Tea	am																				
ADMINISTRATIVE LEAD	DTIME:		9 N	1onths			_	PRODU	CTION	N LEADTIN	ΛE:		3 M	onths										
CONTRACT DATES:	FY	1999:	Jur	ne 99				FY 2000	:	June 00					_									
DELIVERY DATE:	FY	1999:	Sep	p 99				FY 2000	:	Sep 00														
										(\$ in N	/lillions	s)												
Cost:		Prio	r Year	s	F	Y 1998	F'	Y 1999	F	Y 2000		Y 2001	F	Y 2002	F	Y 2003	F	Y 2004	F	Y 2005	To C	omplete		Total
	Qty		Qty		Qty		Qty		Qty	\$	Qty		Qty	\$	Qty	\$	Qty	\$	Qty		Qty	\$	Qty	\$
PRIOR YEARS	27	2.934															Í						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 SCHI	EDULE: / 1998 ! Prior 1 29 0 29 0		2	0	Y 2000 2 3 0 0 0 0	- 4 1 0 0	0	2001 3 4 0 1 0 1	1 0 0	FY 2002 2 3 0 0 0 0		1 2 0 0 0 0	2003 3 0 0	4 1 1 0 1 0		2004 3 4 0 1 0 1	1 0 0	FY 2005 2 3 0 0 0 0	1 1	TC 17 17 17 17	Ę Ę	TAL 54 54	:n	
								IIEM	13/		PAC	J⊑ 8						CL	122IF	·ICATION:	UNC	LASSIFIE	:υ	

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BL	JDGET ACTIVIT	Υ	DA <sup>-</sup>	ΓE:	
•	•		Ot	her Procurement	t, Navy/Aviatio	n Support Equi	pment	February	1999
P-1 ITEM NOMENCLATUR	E			eadtime (after Oct1			Leadtime :		
OTHER PHOTOGRAPHIC EG	QUIPMENT - Y3SX		9 r	nos			3 mos		
Electronic Workstation Sy	/stem	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	r funding	2	0	0	0	0	0	0	0
Deliveries from FY 1999 fur		0	2	0	0	0	0	0	0
Deliveries from FY 2000 fur	nding	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/Attrit	tions/etc.	0	0	0	0	0	0	0	0
<b>End of Year Asset Positio</b>	n	29	31	32	33	34	35	36	37
Inventory Objective or Curre	ent Authorized Allowance	54	54	54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	for	Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)	ı	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
TOTAL.				·		<del></del>		·	

P-1 SHOPPING LIST

CLASSIFICATION:

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- Y3SX	FY 1998 10 27 270 64 10	Admin Le 9 m FY 1999 3 26 78	adtime (after Oct1):	FY 2001 10 24 240		ent   Leadtime : 3 mos   FY 2003   14   19   266	FY 2004 14 19 266	FY 2005 14 19
	10 27 270 64 10	9 m FY 1999 3 26 78	FY 2000 6 24 144	10 24	FY 2002 11 24	3 mos FY 2003 14 19	14 19	14
	10 27 270 64 10	FY 1999 3 26 78	FY 2000 6 24 144	10 24	FY 2002 11 24	FY 2003 14 19	14 19	14
ding	10 27 270 64 10	3 26 78	6 24 144	10 24	11 24	14 19	14 19	14
ding	10 27 270 64 10	3 26 78	6 24 144	10 24	11 24	14 19	14 19	14
ding	27 270 64 10	26 78	24 144	24	24	19	19	
ding	<b>270</b> 64 10	<b>78</b> 63	144			_		
ding	64	63		240	207		/nn	266
ding	10		55					
ding	10			50	49	49	52	55
ding		0	0	0	0	0	0	0
odina	U	3	0	0	0	0	0	0
dina	0	0	6	0	0	0	0	0
idirig	0	0	0	10	11	14	14	14
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	0	0	0	0	0	0	0	0
	11	11	11	11	11	11	11	11
	63	55	50	49	49	52	55	58
ized Allowance	108	108	108	108	108	108	108	108
l Training nditures	Other than Trainin Usage	g	Disposals (Vehicles/Other)				Aircraft: TOAI:	
98 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible f	or		
X:			XXXXX:					
97:					Vehicle Augment:			
96:								
95:	FY 1995:		FY 1995:					
							Storage:	
108								
9 X 9	Training ditures 8 thru :: 7: 6: 5:	0 0 0 0 11 63 red Allowance 108 Training Other than Trainin Usage 8 thru FY 1998 thru XXXXX: 7: FY 1997: 6: FY 1996: 5: FY 1995:	0	0	0	0   0   0   0   0   0   0   0   0   0	0   0   0   0   0   0   0   0   0   0	0   0   0   0   0   0   0   0   0   0

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Exhibit P-20, Requireme	ents Study		AF	PROPRIATION/BU	IDGET ACTIVIT	ΓY - 3	D/	ATE:	
-	-		All	RCRAFT PROCURE	MENT, NAVY			February	1999
P-1 ITEM NOMENCLATUR	E		Admin L	eadtime (after Oct1	):	Pro	d Leadtime :		
OTHER PHOTOGRAPHIC EG	QUIPMENT - Y3SX		9 1	mos			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 yea	r funding			0	0	0	0	0	0
Deliveries from FY 1999 fur				0	0	0	0	0	0
Deliveries from FY 2000 fur	nding			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/Attri				0	0	0	0	0	0
End of Year Asset Positio	n			13	17	21	25	29	33
Inventory Objective or Curre	ent Authorized Allowance			54	54	54	54	54	54
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligibl		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repla	cement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligibl		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	cement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:				<u> </u>					
Effective FY 2000, funding previo	usly identified under the REWSON P	Photographic Equipment line	e (BLI 425600) tra	ansitions to this line item	for consolidation p	ourposes.			
Inventory objective of 54 eq	uals:								

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) <u>6</u>

54

P-1 SHOPPING LIST

CLASSIFICATION:

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**UNCLASSIFIED** 

DD Form 2454, JUN 86

## **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	TION SHEE	ĒΤ			DATE:			
			P-4	10						FE	<b>BRUARY 19</b>	99
APPROPRIATION/BL	JDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCUE	REMENT, NA	AVY						AVIATI	ON LIFE SU	JPPORT SY	STEMS	
Program Element for	Code B Items:						Other Related	Program Elem	ents			
<b>BA 3 AVIATION 9</b>	SUPPORT E	QUIPM	ENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

P-1 SHOPPING LIST

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CLASSIFICATION:

## **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	ATION SHEE	ΕT			DATE:			
				P-40						FEBRU/	ARY 1999	
APPROPRIATION/	/BUDGET ACTIVI	TY					P-1 ITEM NOI	MENCLATURE				
OTHER PROC	UREMENT, NA	ΑVY						AVIAT	ION LIFE SU	JPPORT SY	STEMS	
Program Element f	for Code B Items:						Other Related	Program Elen	nents			
<b>BA 3 AVIATIOI</b>	N SUPPORT E	QUIPM	ENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
(In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	<b>\$16.5</b>	\$28.8	\$29.2	\$29.9	\$30.5	Cont.	Cont.

#### 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

#### 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-1 SHOPPING LIST

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CLASSIFICATION:

## **UNCLASSIFIED**

		BU	DGET ITEM	JUSTIFICA	<b>ATION SHEE</b>	ĒΤ			DATE:			
				P-40						FEBRU <i>A</i>	ARY 1999	
APPROPRIATION/	/BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROC	UREMENT, NA	ΑVY						AVIAT	ION LIFE SU	JPPORT SY	STEMS	
Program Element f	for Code B Items:						Other Related	Program Elen	nents			
<b>BA 3 AVIATIOI</b>	N SUPPORT E	QUIPM	ENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST (In Millions)	\$129.1		\$11.3	\$16.5	\$17.1	<b>\$16.5</b>	\$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

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## **UNCLASSIFIED**

		BUI	DGET ITEM	JUSTIFICA	TION SHEE	ĒΤ			DATE:			
				P-40						FEBRU <i>A</i>	ARY 1999	
APPROPRIATION/	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
OTHER PROCU	UREMENT, N	AVY						AVIAT	ION LIFE SU	JPPORT SY	STEMS	
Program Element for	or Code B Items:						Other Related	Program Elen	nents			
<b>BA 3 AVIATION</b>	N SUPPORT E	QUIPM	ENT									
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

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	BUDGE	T ITEM JU	ISTIFICATIO	N SHEET F	OR AGGRI	EGATED IT	EMS		DATE:			
				P-40a						FEBRU <i>A</i>	ARY 1999	
APPROPRIATION/BUD	GET ACT	IVITY					P-1 ITEM NO	MENCLATURI	<u> </u>			
OTHER PROCURE	MENT,	NAVY, BA	3 AVIATION	SUPPORT	EQUIPMEN	NT		AVIATION	I LIFE SUPI	PORT SYST	EMS 43SY	
	ID	Prior					F)/ 0000	E)/ 0000	E)/ 0004	E)/ 0005	To	T-1-1
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
NEW SURVIVAL RADIO	Α							_		_		
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	Α											
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	В											
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
LAGED EVE DOGTEGT												
LASER EYE PROTECT.	Α	0.10		0.000	4.000						2	1 100
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	В											
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)	А	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
QUANTITY		6000	0	U	U	0	U	0	0	0	0	6000
AISAP (BODY ARMOR)	Α											
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	Α											
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

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## **UNCLASSIFIED**

	BUDGE	T ITEM JU	STIFICATIO	N SHEET F	OR AGGRE	EGATED IT	EMS		DATE:			
				P-40a						FEBRU <i>A</i>	ARY 1999	
APPROPRIATION/BUDG	GET ACT	IVITY					P-1 ITEM NO	MENCLATURI				
OTHER PROCURE	MENT,	NAVY, BA	3 AVIATION	SUPPORT	EQUIPMEN	NT		AVIATION	LIFE SUPF	PORT SYST	EMS 43SY	
	ID	Prior									То	
Procurement Items	Code	Years	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
PAESS	Α											
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	В											
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	В											
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	Α											
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	В											
SUPPORT SYSTEMS												
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	Α											
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	Α											
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	Α											
AN/AVS-6												
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

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CLASSIFICATION:

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BUDGET ITEM JUSTIFICATION SHEET FOR AGGREGATED ITEMS P-40a								DATE: FEBRUARY 1999					
APPROPRIATION/BUDGET ACTIVITY							P-1 ITEM NOMENCLATURE						
OTHER PROCUREMENT, NAVY, BA 3 AVIATION SUPPORT EQUIPMENT						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	Α												
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	
		404.047											
OTHER COSTS		101,347	0.070	0.005	0.704	0.007	0.050	4.440	4.770	5.044		1	
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.	
L			L	l .	D_1 SHODD	NO LIOT	1	CI VSSIEICV.	TION	l	11		

P-1 SHOPPING LIST CLASSIFICATION:
DD Form 2454, JUN 86 ITEM NO. 138 PAGE NO. 7 OF28

**WEAPONS SYSTEM COST ANALYSIS** Weapon System DATE: P-5 **FEBRUARY 1999** APPROPRIATION/BUDGET ACTIVITY ID Code P-1 ITEM NOMENCLATURE/SUBHEAD Other Procurement, Navy **BA 3 AVIATION SUPPORT EQUIPMENT** AVIATION LIFE SUPPORT SYSTEMS 43SY COST **ELEMENT OF COST** ID Prior FY 1998 FY 1999 FY 2000 CODE Code Years Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost Quantity Unit Cost Total Cost SY030 NEW SURVIVAL RADIO Α 0 46 65,782 3,026 600 3,750 2,250 1400 2,957 4,140 SY048 PRC-112 UPGRADES 200 1952 264 515 0 0 Α 0 0 0 0 SY060 COMBAT SURVIVOR EVADER LOCATOR В 0 0 0 0 0 0 0 0 0 SY080 LASER EYE PROTECTION 319 0 0 0 1958 1,023 2,003 2022 890 1,800 Α SY085 **JALEPV** В 0 0 0 0 0 0 500 1,747 874 SY100 CWU-60/P 0 0 0 0 Α 3.000 0 0 0 0 SY110 HEEDS 2,429 0 0 0 0 0 0 0 1,180 SY120 AISAP (BODY ARMOR) 2,264 758 1,556 379 1,301 493 439 1,300 571 Α SY130 PATSS 914 3169 170 539 0 Α 0 0 0 0 SY140 **PAESS** 0 0 0 386 1,000 386 264 1,000 264 1,083 MINI-RAFT BACKPACK SY150 509 0 0 0 0 0 0 Α n SY170 NAVY COMBAT EDGE В 330 4,085 300 1,350 300 4,500 1.309 1,348 4,500 1,350 SY175 **AMELIA** 0 1,200 752 902 Α SY205 AILSS В 0 0 SY210 NIGHT VISION DEVICES (AN/AVS-9) Α 2065 234 6,683 1,564 670 6,481 4,342 195 6,480 1,264 SY211 NIGHT VISION SUPPORT EQUIPMENT 24,786 В 0 14 347 0 SY212 NIGHT VISION GOGGLES (AN/AVS-6) 221 7,000 Α 0 1,552 SY220 LOW PROFILE FLOTATION COLLAR Α 752 1105 311 356 4144 347 2921 368 1,075 1,440 SY830 PRODUCTION SUPPORT SERVICES 12,869 3,276 2,985 2,761 SY860 TEST AND EVALUATION 410 500 **OTHER COSTS** 101,347 11.265 16.545 129.060 17.053

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1) Inflated unit cost for FY98 due to qualification testing

# **UNCLASSIFIED**

<b>BUDGET PROCUREN</b>	Weapon System	A. DATE								
		, ,	FEBRUARY 1999							
B. APPROPRIATION/BUDGET			C.	P-1 ITEM NOMENCL	ATURE			SUBHEAD		
Other Procurement, N								43SY		
<b>BA 3 AVIATION SUPP</b>	ORT EQL	JIPMENT		AVIATION	<b>LIFE SUPPOR</b>	RT SYSTEMS				
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		(000)								
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
1 1-2000	1400		NAVAIIX	IN/A	OI HON	HOLON, ISINALL	02/00	08/00	123	IN/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
11-2000	2022	0.9	NAWCAD/I AX	IN/A	OI HON	ANN ARBOR, WII	02/00	04/00	123	IN/A
SY085										
JALEPV										
FY-2000	500	1.8	NAVAIR	N/A	CPFF	AOTEC	01/00	07/00	YES	N/A
1 1 2000		1.0	1,7,7,11,7	14/7	0.11	SOUTHBRIDGE, MASS	01/00	01700	120	14//
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
2000							,00	33/33	0	. 47.1
SY130										
PATSS										
FY-1999	3169	0.2	NAVICP, PHIL	N/A	OPTION	SWITLIK	11/98	08/99	YES	N/A
						TRENTON, NJ				
D. REMARKS										
D. KLIMAKKS										
DD 5 0440 4 JUL 07			D 1 SHODDING LIST	ITEM NO	120		Classific			

P-1 SHOPPING LIST ITEM NO. 138 Classification: DD Form 2446-1, JUL 87 UNCLASSIFIED

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<b>BUDGET PROCUREM</b>	ENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
								F	EBRUARY 1	1999
B. APPROPRIATION/BUDGET				C.	P-1 ITEM NOMENCLA	TURE			SUBHEAD	
Other Procurement, N									43	BSY
<b>BA 3 AVIATION SUPP</b>	ORT EQUI	PMENT		AVIATION	LIFE SUPPOR	T SYSTEMS	_			
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		(000)								
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	8.0	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
11-2000	221	,	IVAVAIIX	3/33	0/11	100	01/00	03/00	140	3/33
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

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APPROPRIATION/BUDGET ACTI OTHER PROCUREMENT, N  Item SY030, New Survival Radio	NAV	Υ				##						\	Nea	non	S1/6	tom		_	170	1 A A I		ENIC	ΊΔΊ	ΓUR	F					
	N	Mos										·	100		-						Olvii	LINC	<i>-</i>		_	Α	VIA	TION	1	
	١	1/100					Pro	duct	ion I	Rate					Proc	urer	nent	Lea	adtim	ies										
	N		nufactu										ΓPr			T Af			nitia			eord							it of	
SY030, New Survival Radio			and L			_	SR		3-5	MA		to	Oct	1	(	Oct 1		Mi	g PL	_T		fg P	<u>LT</u>		Tota	al		Mea	sure	<u> </u>
	ADIRAN	SPECTE	RALINK/H	OLON IS	RAEL	20		400		500			1			5			6			6			Х		moi	nths		
									F	ISCAL	_ YEA	R 199	8									FISC	CAL Y	EAR	1999					F
ITEM / MANUFACTURER	F	S	Q	D	В		1997					C	ALEN	IDAR	YEAR	1998	3						CA	LEND	AR Y	EAR 1	999			ĺ
	Υ	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	JUL	A U G	S E P	0 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	A L
SY030, New Survival Radio/Tadiran	98 99	N N	46 600	0	46 600									Α						23	23	Α						50	50	50
										FISC	CAL YI	EAR 2	000									FISC	CAL Y	EAR	2001					
ITEM / MANUFACTURER	F	S	Q	D	В		1999					C	ALEN	IDAR	YEAR	2000	)						CA	LEND	AR Y	EAR 2	2001			ĺ
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SY030, New Survival Radio/Tadiran	99	N	600	100	500	50	50	50	50	50	50	50	50	50	50															(
	00	N	1400	0	1400					Α						117	117	117	117	117	117	117	117	116	116	116	116			(
Remarks:																														

Previous editions are obsolete

FY 2000 BUDGET PRODUCTION			JLE, F	P-21														DATI	=		FE	BRI	JAR	Y 19	999					
APPROPRIATION/BUDGET AC OTHER PROCUREMENT						##							Wea	apon	Sy:	stem	1	P-1	ITE	ΜN	IOM	ENC	CLAT	ΓUR		ATI	ON			
							Pro	duct	ion I	Rate	)				Proc	cure	men	t Lea	adtin	nes										
Item	ı		nufactu and L		n	MS	SR	1-8	3-5	M	4Χ		T Pi Oct			T A			Initia fg Pl			eord fg P	-		Tota	ıl			nit of	
SY080, Laser Eye Protection	Kaiser	, ANN A	ARBOR	,MI		25		50		400			7			5			13			2			7		mo	nths		
SY085, JALEPV	AOTE	C, SOU	THBRI	DGE, M	IASS	40		300	)	400	)		7			4			6			6			10		mo	nths		
		Ī	ſ		ſ					ISCAI	VEA	D 10	20									EISC	SAL V	EAR	1000					
ITEM / MANUFACTURER	F	s	Q	D	В		1997			ISCAI	LIEA			IDAR	YEAR	R 199	18					risc				EAR 1	1999			
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SY080 Laser Eye Prot AN/AVS-9/Kaiser	99	N	1958	0	1958	•				_			•									A							163	978
										FISC	CAL Y	EAR 2									•	FISC		EAR						
ITEM / MANUFACTURER	F Y	S V	Q T	D	В		1999			1			CALEN	IDAR	YEAR	R 200							CA	LEND ∎	1	EAR 2	2001			В
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J L	A U G	S E P	A
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					Α		168	168	168	168	168	168	169	169	169	169	169	169							0
SY085 JALEPV/AOTEC	00	N	500	0	500				Α						42	42	42	42	42	42	42	42	41	41	41	41				0
Remarks:		<u> </u>								l						<u> </u>	<u> </u>										<u> </u>			

<b>FY 2000 BUDGET PRODUCT</b>	ION SC	HEDU	JLE, F	-21														DATI	=		FE	BRI	JAR	Y 1	999					
APPROPRIATION/BUDGET ACOTHER PROCUREMENT						##							Wea	pon	Sys	stem	1	P-1	ITE	ΜN	IOM	ENC	CLAT	ΓUR		ATI	ON			
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ltem			nufactu and L		n	MS	SR	1-1	8-5	MA	ΔX		T Pr Oct			T At			Initia fg P			eord fg P			Tota	ıl.		Un Mea	it of	
SY120, AISAP (ARMOR)	Vario		and E	oodiic	<u> </u>	30		200		500			4	•		3	•		7			5			8			nths		
SY130, PATSS			/Trento	on. N	J	100		250		500			5			2			9			9			11			nths		
SY140, PAESS	TBD	,		,		30		100		150			1			6			7			7			13			nths		
									F	ISCAL	YEA	R 19	98									FISC	CAL Y	EAR	1999					
ITEM / MANUFACTURER	F Y	S V	Q T	D	В		1997						CALEN	IDAR	YEAR	199	8						CA	LENC ■	AR Y	EAR 1	999			В
	Y	C	Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U	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	U L	A U G	S E P	A L
SY120, AISAP (ARMOR)/Various	98	N	758	0	758			Α					63	63	63	63	63	63			63	63	64	64						0
	99	N	379	0	379															Α					31	31	31	31	31	224
SY130,PATSS/Switlik	99	N	3169	0	3169														Α									265	264	2640
SY140, PAESS/TBD	99	N	386	0	386																		Α							386
										FISC	AL YI	EAR 2	2000									FISC	CAL Y	EAR	2001					
ITEM / MANUFACTURER	F	s	Q	D	В		1999					C	CALEN	IDAR	YEAR	200	0						CA	LEND	AR Y	EAR 2	2001			l
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N 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
SY120, AISAP (ARMOR)/Various	99	N	379	155	224	32	32	32	32		32	32		- ' '			'				-					.,			Ė	0
SY120, AISAP (ARMOR)/Various	00	N	439	0	439			Α					36	36	36	36	36	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															0
SY140, PAESS/TBD	99	N	386	0	386	33	33	32	32	32	32	32	32	32	32	32	32	00	00	00	00	00	00	00	00					0
	00	N	264	0	264						Α							33	33	33	33	33	33	33	33					0
Remarks:	1																													

SY175, AMÉLIA  TBD  TBD  TEM / MANUFACTURER  F S Q D B S 1997  TEM / MANUFACTURER  F S Q D D S A E A B R R R R R B R R R R R R R R R R R R	FY 2000 BUDGET PRODUCTI			JLE, F	P-21														DATI	E		FE	BRI	JAR	Y 19	999					
Production   Rate   Production   Production   Rate   Production							##							Wea	apor	Sy:	stem	)	P-1	ITE	ΜN					E					
Manufacturer's Name and Location   MSR   1-8-5	OTHER PROCUREMENT	, NA	/ Y				1									_						A۷	/IA	ΓΙΟ	N_						
Style   Sty								Pro	duct	tion	Rate	)		<del></del>								_						ı			
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   SY175, AMELIA   TBD   20   50   300   7   6   7   7   13   months   SY175, AMELIA   TBD   20   50   300   7   6   7   7   13   months   SY175, AMELIA   TBD   20   50   300   7   6   7   7   13   months   SY175, AMELIA   TBD   20   50   300   7   6   7   7   13   months   SY175, Amelia   TBD   20   50   300   7   6   7   7   7   13   months   SY175, Amelia   TBD   20   50   300   7   6   7   7   7   13   months   SY175, Amelia   TBD   20   50   300   7   6   7   7   7   13   months   SY175, Amelia   TBD   20   50   300   7   6   7   7   7   13   months   SY175, Amelia   TBD   20   50   300	ltana	١,					N 44	C D	4	0.5		۸.۷														T-1-	. 1				
SY175, AMÉLIA  TBD  TBD  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D B S 1987  TEM / MANUFACTURER  F S Q D D B S 1987  TEM / MANUFACTURER  F S Q D D S S Q D S S Q D S S Q D S S Q S Q S				and L	.ocatic	n				8-5			to		. 1	,		l	IVI		_!_	IVI	_	LI							<del>)</del>
			us																												
TITEM / MANUFACTURER  F S Q P T V P T L L L P T V P T L L L P T V P T P L L L P T V P T P T P T P T P T P T P T P T P	31 173, AIVILLIA	100					20		30		300	,					0									13		1110	11115		
TIEM / MANUFACTURER  F S Q P T V P T L L P T V P P T L L P T V P P P T V P P P P P P P P P P P P		+																													
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Y V V V V V V V V V V V V V V V V V V V										F	ISCA	L YEA	R 19	98									FISC	CAL Y	EAR	1999					
SY170, Navy Combat Edge/Various  98	ITEM / MANUFACTURER							1997					(	CALEN	IDAR	YEAF	₹ 199	8						CA	LEND	AR Y	EAR 1	999			
SY170, Navy Combat Edge/Various 98 N 330 0 330 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Y										1							0												B A
SY170, Navy Combat Edge/Various 98 N 330 0 330 0 300 0					_	_					B		P R								C		B		P R						L
99 N 300 0 300   1	SY170, Navy Combat Edge/Various	98	N	330	0	330																									0
ITEM/MANUFACTURER  F N V V C T Y V C C O T Y V C C O T Y V C C O T T V C C C O T T V C C C O T T V C C C O T T V C C C O T T V		99	N	300	0	300																Α									300
TIEM/MANUFACTURER  F S Q D D B A L S S S Q V V V T Y V C S S S S S S S S S S S S S S S S S S																															<u> </u>
TIEM/MANUFACTURER  F S Q D D B A L S S S Q V V V T Y V C S S S S S S S S S S S S S S S S S S																															-
TEM/MANUFACTURER  F S Q D D B A L U V V T Y V C V T Y V C O O D D A L U V V D D D D D D D D D D D D D D D D D																															
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C Y L L C O N B R R P Y N L L G P T V C N B R R P Y N L G P T V C N B R R P Y N L G P T V C N B R R P Y N L G P T V C N B R R P Y N L G P P T V C N B R R P Y N L G P P T V C N B R R P Y N L G P P T V C N B R R R P Y N L G P P T V C N B R R R P Y N L G P P T V C N B R R R P Y N L G P P T V C N B R R R P Y N L G P P T V C N B R R R P Y N L G R P T N R P X N L G R P P T N R P X N L G P P T N R P X N L G R P P T N R P X N L G R P T N R P X N L G R P T N R P X N L G R P P T N R P X N L G R P P T N R P X N L G R P T N R P X N L G R P P T N R P X N L G R P P T N R P X N L G R P X N L G R P X N	ITEM / MANUFACTURER	F	s	Q	D	В		1999					(	CALEN	IDAR	YEAF	R 200	0						CA	LEND	AR Y	EAR 2	2001			1
SY175, Amelia/TBD  O  N  1200		Υ					0	N	D	J	F	М	Α	М	J	J	Α			N	D	J	F	М	Α	М	J	J	Α	S	B A
SY170, Navy Combat Edge/Various  99			C	Y	L	L													C												L
SY175, Amelia/TBD  ON N 1200  ON	SY170 Navy Combat Edge/Various	99	N	300	0	300													-	V	U	IN		I.	N	<u>'</u>	IN	-	-		0
	or tro, thaty combat Eage, various						20	20	20		20	20	20	20	20	20	20	20	25	25	25	25	25	25	25	25	25	25	25	25	0
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	SY175, Amelia/TBD	00	N	1200	0	1200						Α							100	100	100	100	100	100	100	100	100	100	100	100	0
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<b>FY 2000 BUDGET PRODUCTION SCHE</b>	DULE,	P-21																DATE						RY 1						_
APPROPRIATION/BUDGET ACTIVITY OTHER PROCUREMENT, NAVY						##							Wea	apon	Sys	tem		P-1	ITE	ΜN	OMI	ENC	CLA	TUR	E					
							Pro	duct	ion f	Rate	;				Pro	cure	mer	t Le	adti	mes										
		Mar	ufactu	ırer's								AL	T Pr	rior		T Af			nitia			eord						Un	nit of	
Item			and L	ocatio	n	M	SR	1-8	8-5		AX	to	Oct	: 1	(	Oct 1		Mt	gΡ	LT	М	fg P	LT		Tota	al		Mea	asure	9
SY210,Night Vision Devices (AN/AVS-9)	ITT, \	/A				15		150	)	200	)		7			4			7			8			12			mo	nths	
SY211,NVG Support Equip	HOFF	MAN E	NG, CN			4		14	ļ	'14	4		1			2			2			2			4			mo	nths	
SY212, NVG (AN/AVS-6)	TBD												7			4			8			8			12			mo	nths	
																														_
					Π					ISCA	L YEA	P 10	Oβ									FIS		/EAR	1000			—		Г
ITEM / MANUFACTURER	F	s	Q	D	В		1997			ISCA				NDAR	YEAR	1998	I					гю				EAR 1	1999			ĺ
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	S	0	N	D	J	F	М	Α	М	J	J	Α	S	E
		С	Υ	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R		A	U	U L	U G	E P	ľ
SY210, Night Vision Devices/ITT	99	N	670	0	670	<u>'</u>	\ \ \	U	IN.	Ь	IX	IX	'	IN	_	0		'	V		A	В		IX	<u> </u>	IN	-		55	6
																														L
SY211, NVG Support Equipment	99	N	14	0	14																Α		4	4	6					
51211, NVO Support Equipment	33	14	17	0	17																									Ė
																												-		L
ITEM / MANUEA OT LIDED	_	•	0	D	_				r	FISC	CAL Y				\/E.A.F						Ι	FIS		/EAR						İ
ITEM / MANUFACTURER	F Y	S V	Q T	E	B A		Τ				Τ			Γ	YEAR						l		T	T	T	EAR 2	1	Τ.		
		Ċ	Ϋ́	L	L	0 C	N O	D E	J A	F E	M A	A P	M A	J	Ŋ	A U	S E	0 C	N O	D E	J A	F E	M A		M A	J	Ŋ	A U	S E	ľ
OVOAO Night Visian Davisso (ANVAVO OVITT	00		070		045	T	V	C 56	N	В	R	R	Y	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р	L
SY210, Night Vision Devices (AN/AVS-9)/ITT	99	N N	670 195	55 0	615 195	55	56	56	56 A	56	56	56	56	56	56	56	17	17	17	16	16	16	16	16	16	16	16	16	-	(
	00	14	133	0	133												17	17	17	10	10	10	10	10	10	10	10	10		
																							-			-			1	-
SY212, Night Vision Goggles/AN/AVS-6	00	N	221	0	221				Α								19	19	19	19	19	18	18	18	18	18	18	18		(
																													-	
Remarks:					<u> </u>	1	1	1			1									***************************************			***************************************	-		1				_

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

311 / 244 ITEM NO 138 PAGE 15 OF 28 Exhibit P-21 Production Schedule

FY 2000 BUDGET PRODUCTION			JLE, F	-21														DATE	Ē		FE	BRI	JAR	Y 19	999					
APPROPRIATION/BUDGET AC OTHER PROCUREMENT						##							Wea	•	า Sys						IOM	ENC	CLAT	ΓUR	E					
							Pro	duct	ion	Rate	)				Proc															
Item		Name	nufactu and L	ocatio	n		SR		8-5		ΑX		T Po Oct			T Af Oct			Initia fg Pl			eord lfg P		,	Tota	al		Uni Mea		)
SY220, Low Profile Flotation Collar	SEI,	Ashvil	le, NC			30		250	)	350	)		5			2			7			7			9			mor	ths	
			ı		<u> </u>				F	ISCA	YFA	R 19	98									FISC	CAL Y	EAR	1999					
ITEM / MANUFACTURER	F	S	Q	D	В		1997			10071	_ , _ ,			NDAR	YEAF	R 199	8					1100				EAR 1	999			
	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	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
SY220, Low Profile FlotCollar/SEI	97 98 99	N N N	2530 1105 4144	842 0 0	1688 1105 4144	211	211 A	211	211	211	211	211	211	92	92	92	92	92	92 A	92	92	92	92	92	93	345	345	345	345	0 0 2764
ITEM / MANUFACTURER	F	s	Q	D	В		1999			FISC	CAL Y			IDAD	YEAF	200	^					FISC		EAR		EAR 2	0001			
TIEW/ WANGI ACTOREK	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	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
SY220, Low Profile FlotCollar/SEI	99 00	N N	4144 2921	1380	2764 2921		345 A			346												244								0
Remarks:																														

311 / 244

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BL	JDGET ACTIVIT	ΓΥ	DA	TE:	
· · ·						OPN		FEBRUAR'	Y 1999
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1	):	Prod	Leadtime :		
SURVIVAL RAI	DIO			3 MC	ONTHS			6 N	ONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		46	600	1400	4780	4200	1 1 2003	112004	1 1 2003
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		ψ0,020	ΨΣ,200	Ψ+,1+0	Ψ1,011	ψο,ι το			
Beginning Asset Position		0	0	146	880	2844	7526		
Deliveries from all prior year	r fundina	0	46	0	0	0	0		
Deliveries from FY 1999 fun		0	100	500	0	0	0		
Deliveries from FY 2000 fun		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/Attrit	ions/etc.								
End of Year Asset Position	n	0	146	880	2844	7526	11026	11026	11026
Inventory Objective or Curre	ent Authorized Allowance	20000	20000	20000	20000	20000	20000	20000	20000
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	e for	Aircraft:	
20000	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:							Storage:		

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CLASSIFICATION:

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nts Study		Al	PPROPRIATION/BL	JDGET ACTIVIT	ΓΥ	D	ATE:	
•					OP	N	FEB-	99
		Admin I	eadtime (after Oct1	l):	Pro	d Leadtime :		
OTECTION				3 MONT	нѕ			2 MONTHS
	EV 1008	EV 1000	EV 2000	EV 2001	EV 2002	EV 2003	EV 2004	FY 2005
				1 1 2001	1 1 2002	1 1 2003	112004	112003
	ΨΟ.Ο	Ψ2,000	ψ1,000					
	0	320	1300	3286				
funding		ł						
•		ł		-				
. 3								
,			-					
ons/etc.								
1	320	1300	3286	4300	4300	4300	4300	4300
nt Authorized Allowance	4300	4300	4300	4300	4300	4300	4300	4300
Actual Training	Other than Trair	ning	Disposals	1	Vehicles Eligibl	e for	Aircraft:	1
Expenditures	Usage	J		)	_		TOAI:	
FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligibl	e for	PAA:	
xxxxx:	XXXXX:		XXXXX:		FY 2001 Repla	cement:	TAI	
FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	nt:	Attrition Res:	
FY 1996:	FY 1996:		FY 1996:				BAI	
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
<i>:</i>							Storage:	
	funding ding ding ding years' funding  ons/etc. Int Authorized Allowance Actual Training Expenditures FY 1998 thru XXXXX: FY 1997: FY 1996:	TY 1998  OTECTION  FY 1998  O  \$0.0  \$0.0  \$0.0  funding  320  ding  O  years' funding  O  Actual Training  Expenditures  FY 1998 thru  XXXXX:  FY 1997:  FY 1996:  FY 1996:  FY 1996:	Admin L  OTECTION  FY 1998 FY 1999  0 1958 0 1.023 \$0.0 \$2,003  funding 320 0 fing 0 980 ding 0 980 ding 0 0 vears' funding 0 0  Actual Training Expenditures Usage FY 1998 thru XXXXX: FY 1997: FY 1996: FY 1996: FY 1996: FY 1996: FY 1996:	Admin Leadtime (after Octol    FY 1998	Admin Leadtime (after Oct1):  OTECTION  FY 1998 FY 1999 FY 2000 FY 2001  0 1958 2022  0 1.023 .890  \$0.0 \$2,003 \$1,800   0 320 1300 3286  funding 320 0 0 0 0  ding 0 980 978 0  ding 0 0 0 1008 1014  years' funding 0 0 0 0 0  ons/etc.  1 320 1300 3286 4300  ons/etc.  1 320 1300 3286 4300  Actual Training Usage (Vehicles/Other)  FY 1998 thru XXXXX:  FY 1998 thru XXXXX:  FY 1997: FY 1997:  FY 1997: FY 1997:  FY 1996: FY 1996:  FY 1996: FY 1996:	Admin Leadtime (after Oct1):	Admin Leadtime (after Oct1):	Admin Leadtime (after Oct1):   Samonths   Prod Leadtime

Remarks:

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Exhibit P-20, Requiremen	nts Study		Al	PPROPRIATION/BL	JDGET ACTIVIT	Υ		DATE:	
-	-					OPN		FEB-	99
P-1 ITEM NOMENCLATURE	=		Admin I	Leadtime (after Oct1	):	Pre	od Leadtime :		
JALEPV (AN/AVS-6)					4 MONTHS				6 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 200	3 FY 2004	FY 2005
Buy Summary		11 1330	1 1 1000	500	600	600	600	600	600
Unit Cost				1.747	1.746	1.746	1.746		1.746
Total Cost				\$874	\$1,048	\$1,048	\$1,04		\$1,048
Asset Dynamics				7.5	+ /-	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, ,,=	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7 /
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 fund	ding			0	0	0	0	0	0
Deliveries from FY 2000 fund	ding			126	374	0	0	0	0
Deliveries from subsequent y	years' funding			0	150	600	600	600	600
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position	1			126	650	1250	1850	2450	3050
Inventory Objective or Curre	nt Authorized Allowance			3500	3500	3500	3500	3500	3500
Inventory Objective	Actual Training	Other than Training	ng	Disposals		Vehicles Eligil	ole for	Aircraft:	
3500	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repl		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligil	ole for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repl	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augm	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

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ts Study		AP	PROPRIATION/BL	JDGET ACTIVIT	Υ		DATE:	
					OPN		FEB-	99
		Admin L	eadtime (after Oct1	):	Pro	d Leadtime :		
SURVIVAL/ARMOR PRO	TECTION (AISAP)			3 MONT	HS		5 N	MONTHS
	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 200	3 FY 2004	FY 2005
					_	1 1 200	112001	1 1 2000
		1.301	1,300	1,300	1,300			
	+	\$493	\$571	\$185	\$390			
	, , , , ,	,	* -	*	*****			
	1550	1865	2463	2867	3268	3418		
unding	315	443	0	0	0	0		
	0	155	224	0	0	0		
ng	0	0	180	259	0	0		
ears' funding	0	0	0	142	150	150		
ns/etc.								
				3268	3418	3568	3568	3568
				3568	3568	3568	3568	3568
_	Other than Traini	ng	· ·		_			
	Usage			)				
FY 1998 thru								
XXXXX:	XXXXX:				FY 2001 Repla	cement:	TAI	
FY 1997:	FY 1997:				Vehicle Augme	ent:	Attrition Res:	
FY 1996:	FY 1996:		FY 1996:				BAI	
FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
							Storage:	
i	unding ing ears' funding ears' funding Expenditures FY 1998 thru XXXXX: FY 1997:	FY 1998   758   1.556   \$1,180	Admin L   SURVIVAL/ARMOR PROTECTION (AISAP)   FY 1998   FY 1999   758   379   1.556   1.301   \$1,180   \$493	Admin Leadtime (after Oct1  SURVIVAL/ARMOR PROTECTION (AISAP)  FY 1998 FY 1999 FY 2000  758 379 439  1.556 1.301 1.300  \$1,180 \$493 \$571  1550 1865 2463  unding 315 443 0  ing 0 155 224  ing 0 0 0 180  ears' funding 0 0 0  ars' funding 0 0 0  ars' funding 0 0 0  ars' funding 0 0 0  TAULT OF	Admin Leadtime (after Oct1):   SURVIVAL/ARMOR PROTECTION (AISAP)	Admin Leadtime (after Oct1):	Admin Leadtime (after Oct1):   Prod Leadtime :   SURVIVAL/ARMOR PROTECTION (AISAP)	Admin Leadtime (after Oct1):   S MONTHS

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Exhibit P-20, Requiremen	ts Study		А	PPROPRIATION/BU	DGET ACTIVIT	Υ	D	ATE:	
						(	OPN	FEB-	99
P-1 ITEM NOMENCLATURE			Admin I	Leadtime (after Oct1)	):	[	Prod Leadtime :		
PASSENGER AND TROO	P SURVIVAL SYSTEM (PA	ATSS)			2 MONT	'HS		9 N	MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	PY 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 f	unding		0	0					
Deliveries from FY 1999 fund	ing		529	2640					
Deliveries from FY 2000 fund	ing		0	0					
Deliveries from subsequent ye	ears' funding		0	0					
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
End of Year Asset Position			6012	8652	8652	8652	8652	8652	8652
Inventory Objective or Curren	t Authorized Allowance		8652	8652	8652	8652	8652	8652	8652
Inventory Objective	Actual Training	Other than Traini	ng	Disposals		Vehicles Eli		Aircraft:	
8652	Expenditures	Usage		(Vehicles/Other)		FY 2000 Re		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eli	gible for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Re	placement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Aug	ment:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

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Exhibit P-20, Requiremen	nts Study		AP	PROPRIATION/BL	JDGET ACTIVIT	ΓΥ	D	ATE:	
-							OPN	FEB-	99
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1	):	Pro	d Leadtime :		
PASSENGER ANTI-EXPO	SURE SURVIVAL SYSTE	M (PAESS)			6 MONT	HS	ı		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 fund	ding		0	386	0				
Deliveries from FY 2000 fund	ding		0	0	264				
Deliveries from subsequent y	years' funding		0	0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attriti									
End of Year Asset Position			1450	1836	2100	2100	2100	2100	2100
Inventory Objective or Current			2100	2100	2100	2100	2100	2100	2100
Inventory Objective 2100	Actual Training Expenditures	Other than Train Usage	ing	Disposals (Vehicles/Other)	)	Vehicles Eligibl FY 2000 Repla		Aircraft: TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligibl	e for	PAA:	
Loads:	xxxxx:	XXXXX:		XXXXX:		FY 2001 Repla	cement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

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ITEM NO.

Exhibit P-20, Requirement	nts Study		Al	PPROPRIATION/BU	JDGET ACTIVIT	Υ		DATE:	
							OPN	FEB	-99
P-1 ITEM NOMENCLATURE			Admin I	_eadtime (after Oct1	):		Prod Leadtime :		
NAVY COMBAT EDGE				1	4 M	ONTHS			9 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 200	02 FY 20	03 FY 2004	FY 2005
Buy Summary		330	300	300	276	82			1
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		7 /	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1 /222	, ,	, , , ,			
Beginning Asset Position		0	0	330	630	930	1206	3	
Deliveries from all prior year	funding	0	330	0	0	0	0		
Deliveries from FY 1999 fund		0	0	300	0	0	0		
Deliveries from FY 2000 fund	ding	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/Attriti	ons/etc.								
End of Year Asset Position	1	0	330	630	930	1206	1288	1288	1288
Inventory Objective or Curre	nt Authorized Allowance	1288	1288	1288	1288	1288			1288
Inventory Objective	Actual Training	Other than Trair	ning	Disposals		Vehicles E	•	Aircraft:	
1288	Expenditures	Usage		(Vehicles/Other)			teplacement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles E	•	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 R	teplacement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Au	igment:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:	<u> </u>							jolorage:	

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Exhibit P-20, Requiremen	its Study		AP	PROPRIATION/BL	JDGET ACTIVIT	Υ	DA <sup>-</sup>	TE:	
, ·	•					OPN		FEB-	99
P-1 ITEM NOMENCLATURE			Admin Le	eadtime (after Oct1	):	Pro	d Leadtime :		
AMELIA					6 MONT	HS		7 N	IONTHS
		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 f	unding		0	0	0				
Deliveries from FY 1999 fund	ing		0	0	0				
Deliveries from FY 2000 fund	ing		0	0	1200				
Deliveries from subsequent ye	ears' funding		0	0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ons/etc.								
<b>End of Year Asset Position</b>			0	0	1200	1200	1200	1200	1200
<b>Inventory Objective or Curren</b>	t Authorized Allowance		1200	1200	1200	1200	1200	1200	1200
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligib	le for	Aircraft:	
1200	Expenditures	Usage		(Vehicles/Other)	)	FY 2000 Repla	acement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib	le for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

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Exhibit P-20, Requiremen	nts Study		AF	PROPRIATION/BU	JDGET ACTIVIT	ΓΥ		DATE:	
						OF	'n		FEB-99
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1	):	Pro	d Leadtime :		
NIGHT VISION DEVICES	(AN/AVS-9)	·			4 MONT	HS			8 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 200	B FY 2004	FY 2005
Buy Summary		234	670	195	1 1 2001	1 1 2002	1 1 200	112004	1 1 2003
Unit Cost		6.683	6.48	6.48					
Total Cost		\$1,564	\$4,342	\$1,264					
Asset Dynamics		<b>V</b> 1,001	<b>V</b> 1,0 12	<b>41,201</b>					
Beginning Asset Position		226	226	515	1147				
Deliveries from all prior year	funding	0	234	0	0				
Deliveries from FY 1999 fund		0	55	615	0				
Deliveries from FY 2000 fund	ling	0	0	17	178				
Deliveries from subsequent y	rears' funding	0	0	0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition									
End of Year Asset Position		226	515	1147	1325	1325	1325	1325	1325
Inventory Objective or Curren		1325	1325	1325	1325	1325	1325	1325	1325
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligib		Aircraft:	
1325	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repla		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repla		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

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Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BL	JDGET ACTIVIT	ΓΥ	DA <sup>-</sup>	TE:	
-							OPN	FE	B-99
P-1 ITEM NOMENCLATURE	E		Admin Le	eadtime (after Oct1	):	Pro	od Leadtime :		
NIGHT VISION GOGGLE	S SUPPORT EQUIPMENT				2 MONT	нѕ			2 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		111990	14	1 1 2000	1 1 2001	112002	1 1 2003	1 1 2004	1 1 2003
Unit Cost			24.786						
Total Cost			\$347						
Asset Dynamics			<b>40</b>						
Beginning Asset Position			0						
Deliveries from all prior year	funding		0						
Deliveries from FY 1999 fun			14						
Deliveries from FY 2000 fun-	· ·		0						
Deliveries from subsequent	years' funding		0						
Other Gains	-								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
<b>End of Year Asset Position</b>	า		14	14	14	14	14	14	14
Inventory Objective or Curre	nt Authorized Allowance		14	14	14	14	14	14	14
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligib	ole for	Aircraft:	
14	Expenditures	Usage		(Vehicles/Other)		FY 2000 Repl		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligib	ole for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Repl	acement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augm	ent:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

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Exhibit P-20, Requiremen	nts Study		AF	PROPRIATION/BU	JDGET ACTIVIT	ΓΥ		DATE:	
							OPN	FI	EB-99
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1	):		Prod Leadtime :		
NIGHT VISION GOGGLES	S (AN/AVS-6)				4 N	IONTHS			8 MONTHS
		FY 1998	FY 1999	FY 2000	FY 2001	FY 200	2 FY 200	o3 FY 2004	FY 2005
Buy Summary		11 1330	1 1 1999	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	\$3,09			\$3,094
Asset Dynamics				<b>V.,00</b>	40,001	40,00	. , ,,,,	7. 40,001	<del> </del>
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 fund				0	0	0	0	0	0
Deliveries from FY 2000 fund	ding			19	202	0	0	0	0
Deliveries from subsequent y	/ears' funding			0	37	442	442	442	442
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritic									
End of Year Asset Position				19	258	700	1142	1584	2026
Inventory Objective or Current				5432	5432	5432	5432		5432
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles El	•	Aircraft:	
5432	Expenditures	Usage		(Vehicles/Other)		FY 2000 Re		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles El	•	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Re		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Aug	gment:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:								Storage:	

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Exhibit P-20, Requirement	ts Study		AF	PPROPRIATION/BL	JDGET ACTIVIT	ΓΥ	DA	ΓE:	
							OPN	FE	B-99
P-1 ITEM NOMENCLATURE			Admin L	eadtime (after Oct1	):	Proc	Leadtime :		
LOW PROFILE FLOTATIO	N COLLAR				2 MONTHS			7 N	IONTHS
		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 fu	unding	368	737	0	0				
Deliveries from FY 1999 fundi	ng	0	1380	2764	0				
Deliveries from FY 2000 fundi	ng	0	0	972	1949				
Deliveries from subsequent ye	ears' funding	0	0	0	0				
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrition	ns/etc.								
End of Year Asset Position		2898	5015	8751	10700	10700	10700	10700	10700
Inventory Objective or Current	t Authorized Allowance	10700	10700	10700	10700	10700	10700	10700	10700
Inventory Objective	Actual Training	Other than Train	ing	Disposals		Vehicles Eligible	e for	Aircraft:	
10700	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac	cement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	e for	PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	cement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augme	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:									

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 138 PAGE NO. 28 OF 28

### **UNCLASSIFIED**

	E	BUDGET	ITEM JUS	<b>FIFICATION</b>	SHEET				DATE:			
			P-4	0						February 199	9	
APPROPRIATION/BUD	GET ACTIV	/ITY					P-1 ITEM NO	MENCLATUR	E/LINE ITEM #	1		
OTHER PROCURE	MENT, N	٩VY					Airborne M	line Counte	rmeasures			
BA-3: NAVY/AVIA	TION SUF	PORT E	QUIPMEN	Γ			SUBHEAD	: 73S0			LI:42	4800
Program Element for (	Code B Item	ıs:					OTHER RELA	ATED PROGR	M ELEMENTS			
N/A							N/A					
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY	N/A	Α										0
EQUIPMENT COST												
(In Millions)	N/A	Α	\$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	Α	\$2.0	\$2.0	\$3.4	\$3.0	\$4.1	\$3.0	\$1.2	\$0.0	N/A	\$19

#### PROGRAM DESCRIPTION/JUSTIFICATION:

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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.

### **UNCLASSIFIED**

	В	BUDGET	ITEM JUS	TIFICATION	SHEET				DATE:			
			P-4	10						February 199	9	
APPROPRIATION/BUD	GET ACTIV	/ITY					P-1 ITEM NO	MENCLATURI	LINE ITEM #	1		
OTHER PROCURE	MENT, NA	٩VY					Airborne M	line Counte	rmeasures			
BA-3: NAVY/AVIA	TION SUF	PORT E	QUIPMEN	Т			SUBHEAD	7380			LI:42	4800
Program Element for C	ode B Item	s:					OTHER RELA	ATED PROGR	M ELEMENTS			
N/A							N/A					
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY	N/A	Α										0
EQUIPMENT COST												
(In Millions)	N/A	Α	\$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	Α	\$2.0	\$2.0	\$3.4	\$3.0	\$4.1	\$3.0	\$1.2	\$0.0	N/A	\$19

#### PROGRAM DESCRIPTION/JUSTIFICATION:

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.

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.

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.

Estimates include competitive sourcing savings associated with consolidation of production support contracting efforts.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 139

PAGE NO. 2

	WEAPO		M COST AI P-5	NALYSIS			1	Weapon Sys	stem		N/A	DATE: February 19	99
Other I	PRIATION/BUDGET ACTIVITY Procurement, Navy NAVY/AVIATION SUPPORT EQI					ID Code		IOMENCLAT Mine Cou D: 73S0		sures			
			TOTAL CO	ST IN THOU	SANDS OF	DOLLARS							
COST	ELEMENT OF COST	ID Code		FY 1998			FY 1999			FY 2000			
-		0000	QTY	UNIT COST	TOTAL COST	QTY	UNIT	TOTAL COST	QTY	UNIT	TOTAL COST		
S0020	MODIFICATION N852	А			955			2,026			2,58	8	
S0061	MK-105 UPGRADE PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING STRUTS - NON-RECURRING STRUTS - RECURRING SUPPORT EQUIPMENT CONVERSION S0061 TOTAL	A	2	4,600	9,200 700 500 400 1,895 535 13,230		4,300	12,900 381 400 2,800 600 17,081	2	4,600	9,200 50 1,50 1,20 1,76 1,20	0 0 0 0 0 7	
S0062	AN/AQS-14A KITS PUBLICATIONS/TECHNICAL DATA COMPONENTS SUPPORT EQUIPMENT PRODUCT SUPPORT RELIABILITY ECPs S0062 TOTAL	A	6	367	2,202 200 380 298		360	2,160 4,652 6,812				0	
S0063	MAGNETIC CABLE SUPPORT EQUIPMENT PUBLICATIONS/TECHNICAL DATA PRODUCTION SUPPORT - TRAINING S0063 TOTAL	A	12	85	1020 200 200 55 1475	13	85	1,105 75 120 1,300				0	
S0072	SWIMS TECHNICAL DATA TRAINING		5	1700	8,500 540 541 9,581								
S0066	C4I UPGRADES  NON RECURRING ENGINEERING  PRODUCTION SUPPORT  LOGISTICS  S0066 TOTAL	A	2	385	770 220 0 0	29	170	4,930 0 3,178 1,770 9,878				0 0 0 0 0	
TOTAL					29,311			37,097			17,95	5	

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

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	PRIATION/BUDGET ACTIVITY					ID Code		NOMENCLA						
Other	Procurement, Navy							e Mine Co						
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S0071	AN/AQS-14A LLS SUPPORT EQUIPMENT PRODUCTION SUPPORT S0071 TOTAL													
S0073	AQS-20/X PRODUCTION SUPPORT								3	6,000	200			
	S0073 TOTAL										18,200			
S0065	AMNS EXPENDABLE NEUTRALIZERS SPARES	А							2 20	1,500 45	900 400			
	SOURS TOTAL										4,300			
TOTAL					29,311			37,097			40,455			

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

<b>BUDGET PROCUREMEN</b>	NT HISTO	RY AND	PLANNING EX	HIBIT (P-5A)		Weapon System		A. DATE		
							N/A		Februa	ry 1999
B. APPROPRIATION/B	UDGET A	CTIVITY			C. P-1 ITE	M NOMENCLATURE			SUBHEAD	
Other Procurement, Nav	/y				Airborne N	line Countermeasures			73	S0
<b>BA-3: NAVY/AVIATION</b>	SUPPOR	T EQUIP	MENT							
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
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D. REMARKS

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

ITEM NO. 139 PAGE NO. 5

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Exhibit P-21 Production Schedule

FY 2000/01 BUDGET PRODUC	CTION	SCHE	DULE	≟, P-2¹	1													DAT						/ 199						
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ITEM / MANUFACTURER	PRIATION/BUDGET ACTIVITY   PROCUREMENT, NAVY   Production Ra   Manufacturer's   Name and Location   MSR   1-8-5													ENDAR	YEAR	1997						Т	T	TEND	T	EAR 19	998	Т		В
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OTHER PROCUREMENT,	NAV	<u>'Y</u>												N/A				<u> </u>				Airk	orn	e Mi	ine (	Cou	nter	mea	sure	3
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Item			to	Ос	t 1	(	Oct '	1	M <sup>t</sup>	fg PL	_T	Mf	fg Pl	LT		Tota	ıl		Mea	asure	<b>;</b>									
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	PROPRIATION/BUDGET ACTIVITY HER PROCUREMENT, NAVY    Manufacturer's Name and Locat Raytheon, Portsmouth																													
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	Item    Manufacturer's   Name and Location   Raytheon, Portsmouth, Filter   S Q D Y V T E C Y L											К	Υ	N	L	G	Р	Т	V	С	N	В	R	R	Y	N	L	G	Р	$\vdash$
AN/AQS-20X	00		3	1	2					-					1		-	<b> </b>	ļ <sup>J</sup>		<b> </b>				-	-	ļ	-		2
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TIEM / MANUFACTURER	Y V T E L  AQS-20X 00 3 1  ITEM / MANUFACTURER F S Q D Y V T E C Y L													NDAR	YEAR	2003	1				<b>-</b>			LEND	T	EAR 20		г		В
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AQS-20X	00	<del>                                     </del>	3	2	0		1				$\dashv$							-		$\Box$	$\vdash$		1						$\Box$	0
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	PROPRIATION/BUDGET ACTIVITY THER PROCUREMENT, NAVY    Manufacture   Name and Loc.     /AQS-20/X   Raytheon, Portsmote     ITEM / MANUFACTURER   F																													
		***************************************																												
Remarks:																														

DD Form 2445, JUL 87 311 / 244 Previous editions are obsolete

P-1 SHOPPING LIST

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ITEM NO 139

Exhibit P-21 Production Schedule

### **UNCLASSIFIED**

			BUDGET I	TEM JUSTIFIC	CATION SHE	ET			DATE:				
				P-40						Februa	ry 1999		
APPROPRIATION/BUD	GET ACTIV	ITY					P-1 ITEM NOME	NCLATURE: R	ECONNAISSANC	E ELECTRONIC	WARFARE		
OTHER PROCUREMEN	NT, NAVY/B	A-3 AVIA	TION SUPPOR	T EQUIPMENT			REWSON PHO	TOGRAPHIC EQ	UIPMENT - Y3S4	1			
Program Element for Co	de B Items:						Other Related P	rogram Elements	3				
	Prior	ID									То		
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total	
QUANTITY												<u> </u>	
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	
COST		Code									·		

REWSON: Reconnaissance Electronic Warfare Special Operations Navy

This line procures photographic film processing, printing, and film interpretation equipment for the exclusive support of the on-going intelligence mission of CV/CVNs. 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.

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.

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).

NOTE: All Y3S4 funds for FY00-05 have been moved to Y3SX (Other Photographic Equipment).

P-1 SHOPPING LIST

PAGE NO. 1

ITEM NO. 141

CLASSIFICATION:

## **UNCLASSIFIED**

E	BUDGE	T ITEM JU	STIFICATION	ON SHEET I P-40a	FOR AGGR	EGATED IT	EMS		DATE:	Februa	ry 1999	
APPROPRIATION/BUDG	SET ACT	IVITY					P-1 ITEM NO	MENCLATURE			<b>.</b>	
OTHER PROCURE	MENT.	NAVY/BA-	3 AVIATIO	N SUPPORT	Γ EQUIPME	NT		Rewson	Photograph	ic Equipme	ent - 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	56,365
Total P-1 Funding		56,234	675	851	0	0		0	0	0	0	57,760

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 141 PAGE NO. 2

	WEAPONS SYSTEM CO P-5	ST AN	ALYSIS			Weapon Sy	rstem						DATE: <b>Fe</b>	bruary 1	999
	PRIATION/BUDGET ACTIVITY R PROCUREMENT, NAVY/BA-3 AVIA	TION S	SUPPORT I	EQUIPME		ID Code	P-1 ITEM NO				Y3S4				
			TOTAL COS	T IN THOU	SANDS OF	DOLLARS									-
COST	ELEMENT OF COST	ID Code	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
	MISC SMALL EQUIPMENT & ECPS PRODUCTION ENGINEERING & LOGISTICS	Α	2,253 1,365			61 149			112 259						
	DIGITAL BASE STATION  VARIOUS OTHER COSTS, FY 95 & PRIOR *  *The amount identified against this cost elements	A	450 52,166	3 year funding	155	465	ments no long	160	480	ind beyond.					
	**Effective FY2000, funding identified unde	r REWS	SON PHOTO	GRAPHIC E	QUIPMENT	(BUI 425600	) has been n	noved to O	THER PHOTO	OGRAPHIC	EQUIPMEN	T (BUI 42420	00).		
			675			851			0			0			

DD FORM 2446, JUN 86 P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 141 PAGE NO. 3

**UNCLASSIFIED** 

CLASSIFICATION:

BUDGET PROCURE	MENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)	V	Neapon System		A. DATE		
								Fe	bruary 1	999
B. APPROPRIATION/BUDGE	T ACTIVITY				C. P-1 ITEM NOME	NCLATURE				
OTHER PROCUREM	ENT, NAVY				REWSON PHO	TOGRAPHIC EQUIP	MENT - Y	<b>3</b> S4		
<b>BA-3 AVIATION SUP</b>	PORT EQUI	PMENT								
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 FY 1999	3 3		SPAWAR Det., Phil SPAWAR Det., Phil	Apr-98 Apr-99	C/MIPR/FP C/MIPR/FP	Various Various	Jun-98 Jun-99	Sep-98 Sep-99	YES YES	N/A N/A
D. REMARKS										l

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

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 141 PAGE NO. 4 Classification:

FY 2000/01 PRESIDENT'S BUD			JUCTI	ON S	CHED	ULE	, P-	21										DATE			Fe	bru	uai	<u>y</u> ′	199	99					
APPROPRIATION/BUDGET ACT	TIVITY	/										'	Wea	pon	Sys	stem		P-1	ITE	ΜN	OM	ENC	<u>CL</u> F	ίTU	RE	:					
OTHER PROCUREMENT/BA-3	AVIAT	TION S	SUPP	ORT E	EQUIF																,HO	TOG	GR	API	HIC	; EC	<b>UIF</b>	۲ - د	3S4		
							Prod	duct	ion F	Rate									adtim												
			nufactu										T Pr			T Af			nitia			eord						l		it of	
Item			and L	.ocatio	n		SR		3-5	MA		to	Oct	1		Oct 1			g PL			fg Pl				otal				asure	}
Digital Base Station	Vario	us				N,	/A	N	/A	N/	Ά	ļ				9 m	os		3 m	os		3 m	nos			12 n	nos	<u> </u>	EΑ		
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ITEM / MANUFACTURER	F	S	Q	D	В		1997		<b>I</b>			С	ALEN	IDAR	YEAR	1998	8						С	ALE	NDA	R YE	AR 19	999			_
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Digital Base Station	98	N	3	0	3		-				$\dashv$			Α		_	3	- 1	<del>-</del>	$\dot{-}$			۳	+	$\dot{+}$	_	$\dashv$			$\dashv$	0
Digital Base Station	99	N	3	0	3							i											+				Α			3	0
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ITEM / MANUFACTURER	F Y	S V	Q	D	В		1999		<b>—</b>					IDAR									1				AR 20				В
	Y	V C	T Y	E L	A L	0	N	D	J	F	M	A P	M	J	J	A U	S	0	N	D	J	F	M		A P	M	J U	J	A U	S	Α
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Remarks:

311 / 244

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

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BL	JDGET ACTIVIT	ΓY - 3	DA	TE:	
			AIR	CRAFT PROCURE	MENT, NAVY			February	1999
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1	):	Prod	Leadtime :		
REWSON PHOTOGRAPHIC	EQUIPMENT - Y3S4		9 n	nos			3 mos		
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		3	3	1 1 2000	1 1 2001	1 1 2002	112003	1 1 2004	1 1 2003
Unit Cost		155	160						
Total Cost		465	480						
Asset Dynamics		+00	400						
Beginning Asset Position		3	6						
Deliveries from all prior yea	r funding	3	0						
Deliveries from FY 1999 fur			3						
Deliveries from FY 2000 fur									
Deliveries from FY 2001 fur									
Deliveries from subsequent									
Other Gains	, ,								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attri	tions/etc.								
<b>End of Year Asset Positio</b>		6	9						
Inventory Objective or Curre		54	54						
Inventory Objective	Actual Training	Other than Train	ning	Disposals		Vehicles Eligible		Aircraft:	
54	Expenditures	Usage		(Vehicles/Other)	)	FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 54	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:	identified and a REWOON F	UOTOOD A DUIG FO	UDMENT (DIII	405000\ b = = b = =	OT	UED BUOTOODA		NT (DIII 40 4000)	
	identified under REWSON F	HOTOGRAPHIC EQ	OIPMENT (BUI	425600) has been	n moved to OT	HER PHOTOGRAI	PHIC EQUIPME	NT (BUI 424200).	
Inventory objective of 54 eq		40							
Four digital base stations per		48 *2. 6\							
i wo digital base stations ea	ach for three shore activities (2	*3=6) <u>6</u> 54							
		34							
				P-1 SHOPPING	LIST		CLASSIFI	CATION:	

P-1 SHOPPING LIST

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### UNCLASSIFIED

		BUE	GET ITEM	JUSTIFICA	TION SHE	ET			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/BU	JDGET ACTIV	ITY					P-1 ITEM NO	MENCLATUR	Ē			
OTHER PROCUE	REMENT, N	AVY B	A3 - AVIAT	ION SUPPO	ORT EQUIP	MENT		OTHER A	VIATION SU	JPPORT EC	QUIPMENT	
Program Element for	Code B Items:					Other Related	l Program Eler	nents				
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

The following items are funded in this line:

- 1. Industrial Facilities Equipment
- 2. Capital Automated Data Processing Equipment (ADPE)
- 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.

#### 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:

#### 2a. Naval Aviation Logistics Data Analysis (NALDA):

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/firmwareconfiguration 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-1 SHOPPING LIST

CLASSIFICATION:

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### **UNCLASSIFIED**

		BUI	DGET ITEM	<b>JUSTIFIC</b>	<b>ATION SHEE</b>	ΕT			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/E	BUDGET ACTIVI	TY					P-1 ITEM NO	MENCLATUR				
OTHER PROCU	JREMENT, NA	AVY BA	3 - AVIATIO	ON SUPPOI	RT EQUIPM	ENT		OTHER A	VIATION S	JPPORT EC	QUIPMENT	
Program Element fo	or Code B Items:				Other Related	Program Elen	nents					
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

#### 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.

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).

#### 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.

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CLASSIFICATION:

**UNCLASSIFIED** 

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### **UNCLASSIFIED**

									1			
		BUI	DGET ITEM	JUSTIFICA	ATION SHEE	ĒΤ			DATE:			
				P-40						Februa	ry 1999	
APPROPRIATION/BUDG	GET ACTIVI	TY					P-1 ITEM NO	MENCLATURE				
<b>OTHER PROCURE</b>	MENT, NA	AVY BA	3 - AVIATION	ON SUPPOR	RT EQUIPM	ENT		OTHER A	VIATION SU	JPPORT EG	UIPMENT	
Program Element for Cod	de B Items:						Other Related	Program Elem	ents			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	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

#### 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-1 SHOPPING LIST CLASSIFICATION:

> > **UNCLASSIFIED**

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	WEAPONS SYSTEM CO		Weapon Sy	stem						DATE:				
	P-5												Febr	ruary 1998
	PRIATION/BUDGET ACTIVITY  Procurement, Navy					ID Code								
	viation Support Equipment						OTHER A	VIATION	SUPPORT	EQUIPM	ENT 4	43S7/U3S7	/Y3S7	
			TOTAL COS	T IN THOUS	SANDS OF	DOLLARS								
COST	ELEMENT OF COST	ID	Prior		FY 1998			FY 1999			FY 2000			
CODE		Code	Years	0		Tatal Ocat	0 131		Tatal Cast	0		Tatal Oast		
			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		
			ŕ											
	PEO (T) TAMPS		163,307			*			*			*		
S7030	PEO (A) Industrial Facilities Equipment		2,372			181			226			213		
	Capital ADPE													
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		
IN FY 1	 997 AND BEYOND TAMPS IS BUDGETED IN	 NOPN B	 A 2 UNDER F	P-1 LINE ITE	 ≣M TACA	/C MISSION	 PLANNING S	 SYS (TAMPS	3)					
	LED JUDTIFICATION FOR THE TAMPS PRO							_ (.,	,					
	M 2446, JUN 86		<b>226,898</b> OPPING LIST			6,654			4,246			4,187 CLASSIFICA		

# **UNCLASSIFIED**

<b>BUDGET PROCURE</b>	MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
									February 19	99
B. APPROPRIATION/BUDGE					C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
Other Procurement,										
<b>BA3 - AVIATION SUI</b>	PPORT EQI	JIPMENT	1			ATION SUPPORT EQU	IIPMENT		43S7/U3S	
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 FY 1999 FY 2000	1 Lot 1 Lot 1 Lot	5,748 4,020 3,974	NAVSUP/SPCC NICP/NCTS NICP			FDSC* InterGraph InterGraph	01/98 02/99 11/99	01/98 03/99 01/00	YES YES YES	N/A N/A N/A

#### D. REMARKS

P-1 SHOPPING LIST ITEM NO. 143 Classification:

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<sup>\*</sup> FDSC is the Federal Data Systems Corporation (FDSC) NAVSUP SPLICE contract #N66032-D-84-0002.

<sup>\*\*</sup> Quantities reflect complete systems comprised of several components.