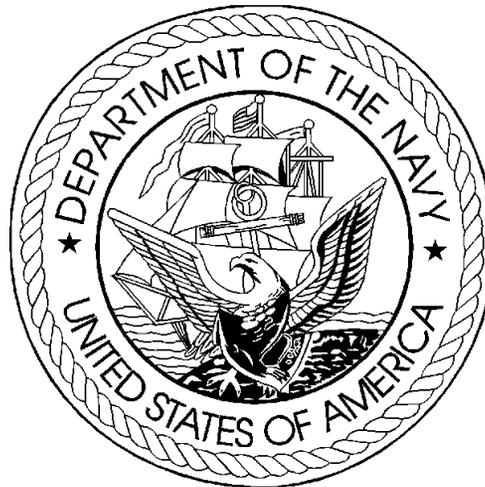


DEPARTMENT OF THE NAVY  
FY 1998/1999 BIENNIAL BUDGET ESTIMATES



JUSTIFICATION OF ESTIMATES

AIRCRAFT PROCUREMENT, NAVY  
VOLUME 1 (Budget Activities 1-4, 6-7)

February 1997

## UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS							
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY COST	----- FY 1997 ----- QUANTITY COST	----- FY 1998 ----- QUANTITY COST	----- FY 1999 ----- QUANTITY COST					
BUDGET ACTIVITY 01: Combat Aircraft												
Combat Aircraft												
1	0124 AV-8B (V/STOL)Harrier	A	27278818	8	238.9	12	358.9	11	300.1	12	334.4	U
	Less: Advance Procurement (PY)				-15.4		-21.6		-22.4		-18.9	
					223.5		337.3		277.6		315.5	
2	0124 AV-8B (V/STOL)Harrier	A			21.6		22.4		18.9		19.4	
	Advance Procurement (CY)											
3	0144 F/A-18C/D (Fighter) Hornet	A		18	873.8	6	273.2		-		-	U
	Less: Advance Procurement (PY)				-79.3		-		-		-	
					794.5		273.2		-		-	
4	0145 F/A-18E/F (Fighter) Hornet	B	119489650		-	12	2039.8	20	2389.8	30	3013.1	U
	Less: Advance Procurement (PY)				-		-233.6		-288.7		-90.5	
					-		1806.1		2101.1		2922.7	
5	0145 F/A-18E/F (Fighter) Hornet	B			233.6		288.7		90.5		111.7	
	Advance Procurement (CY)											
6	0164 V-22 (Medium Lift)	B	119417000		47.1	5	607.9	5	597.1	7	690.7	U
	Less: Advance Procurement (PY)				-		-		-125.1		-69.7	
					47.1		607.9		472.0		621.0	
7	0164 V-22 (Medium Lift)	B			-		125.1		69.7		55.1	
	Advance Procurement (CY)											
8	0165 AH-1W (Helicopter) Sea Cobra	A		6	73.1		-		-		-	U
9	0180 SH-60B (ASW Helicopter) Seaha	A			16.3		6.2		-		-	U
10	0195 E-2C (Early Warning) Hawkeye	A	85669667	3	216.8	4	321.2	3	257.0	4	304.8	U
	Less: Advance Procurement (PY)				-49.8		-44.8		-20.5		-19.5	
					167.1		276.5		236.5		285.4	
11	0195 E-2C (Early Warning) Hawkeye	A			44.8		20.5		19.5		23.6	
	Advance Procurement (CY)											
TOTAL	Combat Aircraft				1621.6		3763.9		3285.8		4354.4	

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS						
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY COST	----- FY 1997 ----- QUANTITY COST	----- FY 1998 ----- QUANTITY COST	----- FY 1999 ----- QUANTITY COST				
BUDGET ACTIVITY 02: Airlift Aircraft											
Airlift Aircraft											
12	0240 Vertical Replenishment Helo R			-		-		-		6	195.3 U
	Less: Advance Procurement (PY)			-		-		-			-31.8
				-		-		-			163.4
13	0240 Vertical Replenishment Helo R										
	Advance Procurement (CY)			-		-		31.8			-
TOTAL	Airlift Aircraft			-		-		31.8			163.4

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS							
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY	----- FY 1997 ----- QUANTITY	----- FY 1998 ----- QUANTITY	----- FY 1999 ----- QUANTITY	----- FY 1996 ----- COST	----- FY 1997 ----- COST	----- FY 1998 ----- COST	----- FY 1999 ----- COST	
BUDGET ACTIVITY 03: Trainer Aircraft												
Trainer Aircraft												
14	0338 T-45TS (Trainer) Goshawk	B	22480167	12	316.0	12	286.3	12	269.8	12	280.2	U
	Less: Advance Procurement (PY)				-31.0		-19.6		-25.8		-6.2	
					285.0		266.7		244.0		274.0	
15	0338 T-45TS (Trainer) Goshawk	B			19.6		25.8		6.2		6.4	
	Advance Procurement (CY)											
16	0341 UNFOTS			17	43.6		-		-		-	U
TOTAL	Trainer Aircraft				348.3		292.5		250.2		280.4	

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY COST	----- FY 1997 ----- QUANTITY COST	----- FY 1998 ----- QUANTITY COST	----- FY 1999 ----- QUANTITY COST		
BUDGET ACTIVITY 04: Other Aircraft									
Other Aircraft									
17	0416 KC-130J			-	4	206.4	-	-	U
Other Aircraft									
18	0445 HH-60H (Helicopter)	A		13.0		-	-	-	U
TOTAL	Other Aircraft			13.0		206.4	-	-	

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)				MILLIONS OF DOLLARS				
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY	----- FY 1997 ----- COST	----- FY 1998 ----- QUANTITY	----- FY 1999 ----- COST	----- FY 1998 ----- QUANTITY	----- FY 1999 ----- COST		
BUDGET ACTIVITY 06: Aircraft Spares and Repair Parts											
Aircraft Spares and Repair Parts											
	48 0605 Spares and Repair Parts	A			736.5	819.9			740.2		788.4 U
TOTAL	Aircraft Spares and Repair Parts				736.5	819.9			740.2		788.4

UNCLASSIFIED

EXHIBIT P-1

DEPARTMENT OF THE NAVY  
FY 1998/1999 PROCUREMENT PROGRAM

APPROPRIATION: 1506N Aircraft Procurement, Navy

DATE: FEB 1997

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)			MILLIONS OF DOLLARS				
			FY 1998 UNIT COST	----- FY 1996 ----- QUANTITY	----- COST	----- FY 1997 ----- QUANTITY	----- COST	----- FY 1998 ----- QUANTITY	----- COST	----- FY 1999 ----- QUANTITY
BUDGET ACTIVITY 07: Aircraft Support Equipment and Facilitie										
Aircraft Support Equipment and Facilitie										
	49 0490 Cancelled Account Adjustments				0.4		-		-	- U
	50 0492 Cancelled Account Adjustments				0.3		-		-	- U
Aircraft Support Equipment and Facilitie										
	51 0705 Common Ground Equipment	A			340.7		300.2		287.1	339.9 U
	52 0715 Aircraft Industrial Facilitie	A			29.8		14.5		17.6	19.9 U
	53 0720 War Consumables	A			18.7		16.6		16.0	16.9 U
	54 0725 Other Production Charges	A			20.8		11.3		10.2	27.1 U
	55 0735 Special Support Equipment	A			12.5		8.7		23.3	14.7 U
	56 0740 First Destination Transportat	A			2.9		1.9		1.7	1.7 U
	TOTAL Aircraft Support Equipment and Facilitie				426.2		353.3		355.9	420.3

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

Identification code	17-1506-0-1-051	Budget Plan (amounts for PROCUREMENT actions programed)			
		1996 actual	1997 est.	1998 est.	1999 est.
Program by activities:					
Direct program:					
00.0101	Combat aircraft	1,621,621	3,763,860	3,285,758	4,354,374
00.0201	Airlift aircraft			31,837	163,417
00.0301	Trainer aircraft	348,270	292,481	250,195	280,377
00.0401	Other aircraft	13,036	206,387		
00.0501	Modification of aircraft	1,308,932	1,436,871	1,422,044	1,662,477
00.0601	Aircraft spares and repair parts	736,472	819,929	740,214	788,388
00.0701	Aircraft support equipment and facilities	426,212	353,294	355,917	420,322
00.9101	Total direct program	4,454,543	6,872,822	6,085,965	7,669,355
01.0101	Reimbursable program	3,685	7,100	7,100	7,100
10.0001	Total	4,458,228	6,879,922	6,093,065	7,676,455
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-3,685	-7,100	-7,100	-7,100
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	-30,100	-13,400		
21.4009	Reprogramming from/to prior year budget plans	-17,157			
22.2001	Unobligated balance transferred from other accounts (-)	-1,000			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans				
24.4003	Available to finance subsequent year budget plans	13,400			
39.0001	Budget authority	4,419,686	6,859,422	6,085,965	7,669,355
Budget authority:					
40.0001	Appropriation	4,541,987	7,027,010	5,951,965	7,669,355
40.3601	Appropriation rescinded (unob bal)		-13,400		
40.7501	Reduction pursuant to P.L. 104-208 (-), 8037(h)		-13,648		
41.0001	Transferred to other accounts (-)	-134,691	-140,540		
42.0001	Transferred from other accounts	12,390		134,000	
43.0001	Appropriation (adjusted)	4,419,686	6,859,422	6,085,965	7,669,355

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

		Obligations			
Identification code	17-1506-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
-----					
Program by activities:					
Direct program:					
00.0101	Combat aircraft	1,691,162	3,175,050	3,195,034	4,152,746
00.0201	Airlift aircraft			24,833	132,243
00.0301	Trainer aircraft	427,945	343,861	279,815	276,697
00.0401	Other aircraft	26,333	166,257	32,342	14,448
00.0501	Modification of aircraft	1,350,173	1,437,014	1,453,249	1,610,620
00.0601	Aircraft spares and repair parts	754,451	687,578	700,356	783,368
00.0701	Aircraft support equipment and facilities	550,012	351,900	346,220	405,968
		-----	-----	-----	-----
00.9101	Total direct program	4,800,076	6,161,660	6,031,849	7,376,090
01.0101	Reimbursable program		10,785	7,100	7,100
		-----	-----	-----	-----
10.0001	Total	4,800,076	6,172,445	6,038,949	7,383,190
-----					
Financing:					
Offsetting collections from:					
11.0001	Federal funds(-)	-1,785	-7,100	-7,100	-7,100
17.0001	Recovery of prior year obligations	-4,577			
Unobligated balance available, start of year:					
21.4002	For completion of prior year budget plans	-1,416,805	-1,060,476	-1,767,953	-1,822,069
21.4003	Available to finance new budget plans	-30,100	-13,400		
21.4009	Reprogramming from/to prior year budget plans				
22.2001	Unobligated balance transferred from other accounts (-)	-1,000			
Unobligated balance available, end of year:					
24.4002	For completion of prior year budget plans	1,060,476	1,767,953	1,822,069	2,115,334
24.4003	Available to finance subsequent year budget plans	13,400			
		-----	-----	-----	-----
39.0001	Budget authority	4,419,686	6,859,422	6,085,965	7,669,355
-----					
Budget authority:					
40.0001	Appropriation	4,541,987	7,027,010	5,951,965	7,669,355
40.3601	Appropriation rescinded (unob bal)		-13,400		
40.7501	Reduction pursuant to P.L. 104-208 (-), 8037(h)		-13,648		
41.0001	Transferred to other accounts (-)	-134,691	-140,540		
42.0001	Transferred from other accounts	12,390		134,000	
		-----	-----	-----	-----
43.0001	Appropriation (adjusted)	4,419,686	6,859,422	6,085,965	7,669,355
-----					

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

		Obligations			
Identification code	17-1506-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
-----					
Relation of obligations to outlays:					
71.0001	Obligations incurred	4,798,291	6,165,345	6,031,849	7,376,090
72.1001	Orders on hand, SOY	18,097	16,083	16,083	16,083
72.4001	Obligated balance, start of year	7,213,448	6,874,697	7,995,920	8,607,471
74.1001	Orders on hand, EOY	-16,083	-16,083	-16,083	-16,083
74.4001	Obligated balance, end of year	-6,874,697	-7,995,920	-8,607,471	-9,677,225
77.0001	Adjustments in expired accounts (net)	-100,838			
78.0001	Adjustments in unexpired accounts	-4,577			
-----					
90.0001	Outlays (net)	5,033,641	5,044,122	5,420,298	6,306,336
-----					

Aircraft Procurement, Navy  
Object Classification (in Thousands of dollars) SUMMARY

Identification code	17-1506-0-1-051	1996 actual	1997 est.	1998 est.	1999 est.
Direct obligations:					
125.101	Advisory and assistance services	88,571	83,369	87,258	94,611
	Purchases goods/services (inter/intra) Fed accounts				
125.303	Purchases from revolving funds	21,795	20,810	18,534	29,835
126.001	Supplies and materials	715,474	683,129	608,399	979,395
131.001	Equipment	3,974,236	5,374,352	5,317,658	6,272,249
199.001	Total Direct obligations	4,800,076	6,161,660	6,031,849	7,376,090
Reimbursable obligations:					
231.001	Equipment		10,785	7,100	7,100
299.001	Total Reimbursable obligations		10,785	7,100	7,100
999.901	Total obligations	4,800,076	6,172,445	6,038,949	7,383,190

**COMPARISON OF FY 1996 PROGRAM REQUIREMENTS AS REFLECTED IN THE FY 1997 PRESIDENT'S BUDGET  
WITH FY 1996 PROGRAM REQUIREMENTS SHOWN IN THE FY 1998/1999 PRESIDENT'S BUDGET  
(In Thousands of Dollars)**

	<u>Total Program Requirements per FY 1997 Budget</u>	<u>Total Program Requirements per FY 1998/1999 Budget</u>	<u>Increase (+) or Decrease (-)</u>
Combat Aircraft.....	\$ 1,609,856	\$ 1,621,621	+ \$ 11,765
Trainer Aircraft.....	358,285	348,270	- 10,015
Other Aircraft.....	23,008	13,036	- 9,972
Modification of Aircraft.....	1,267,721	1,308,932	+ 41,211
Aircraft Spares and Repair Parts.....	751,286	736,472	- 14,814
Aircraft Support Equipment and Facilities.....	433,578	426,212	- 7,366
Reimbursable Program.....	<u>7,100</u>	<u>7,100</u>	<u>-</u>
<b>TOTAL FISCAL YEAR PROGRAM.....</b>	<b>\$ 4,450,834</b>	<b>\$ 4,461,643</b>	<b>+ \$ 10,809</b>

**EXPLANATION BY BUDGET ACTIVITY**

**Combat Aircraft (+\$11.765 million):**

Major changes in this budget activity include a Bosnia adjustment offset (+\$26.385 million), Military Pay Navy adjustment (-\$7.000 million), intelligence mission rescission per appropriation language section 8070 (-\$5.400 million), and a below threshold reprogramming to budget activity 5 (-\$2.220 million) for the SH-3 inflight blade inspection.

**Trainer Aircraft (-\$10.015 million):**

Decreases to this budget activity include a Bosnia adjustment offset (+\$3.495 million), Military Pay Navy adjustment (-\$7.300 million), several below threshold reprogramming actions (-\$6.210 million) for budget activity 1, 5, & 6 requirements.

**Other Aircraft (-\$9.972 million):**

The adjustments to this budget activity include a Bosnia adjustment offset (+\$.200 million), Military Pay Navy adjustment offset to budget activity 1 (-\$5.400 million), E-6B contract cost growth (-\$2.200 million), AH-1 compatibility lighting modification (-\$2.000 million), and several minor below threshold reprogrammings (-\$.572 million).

**Modification of Aircraft (+\$41.211 million):**

Major changes in this budget activity include a Bosnia adjustment offset (+\$13.379 million), and several below threshold reprogramming actions as listed below:

<u>Program</u>	<u>Amount</u>	<u>Purpose</u>
F-14 Mod	\$9.600	Digital Flight Control Systems
F-14 Mod	4.000	Lantirn Target Pods
SH-3 Mod	2.220	Inflight Blade Inspection
Cargo Mod	7.800	Global Positioning System
Exec. Helo.	4.100	VH-3D SLEP
Common Av.	2.500	Fully Finance GPS requirements
F-18 Mod	3.200	Digital Flight Control System offset
F-18 Mod	(2.188)	Offset H-1 & AV-8 requirements
H-46 Mod	(3.400)	Executive Helo offset

**SPARES (-\$14.814 million):**

Adjustments to this budget activity include a Bosnia adjustment (-\$11.214 million), Military Pay Navy adjustment (-\$9.687 million), and a below threshold reprogramming that offsets the Bosnia reduction (+\$6.087 million).

**Aircraft Support Equipment and Facilities (-\$7.366 million):**

Adjustments to this budget activity include a Bosnia adjustment offset (+\$3.807 million), Military Pay Navy (-\$10.000 million), and a reprogramming to the Common Avionics line for GPS efforts (-\$1.173 million).

**COMPARISON OF FY 1996 FINANCING AS REFLECTED IN THE FY 1997 PRESIDENT'S BUDGET  
WITH FY 1996 FINANCING SHOWN IN THE FY 1998/1999 PRESIDENT'S BUDGET**  
(In Thousands of Dollars)

	Financing per FY 1997 <u>Budget</u>	Financing per FY 1998/1999 <u>Budget</u>		Increase (+) or Decrease (-)
Program Requirements (Total).....	\$ 4,450,834	\$ 4,458,228	+	\$ 7,394
Program Requirements (Service account).....	4,443,734	4,454,543	+	10,809
Program Requirements (Reimbursable).....	7,100	3,685	-	3,415
Less:				
Anticipated Reimbursements.....	7,100	3,685	+	3,415
Transferred from other accounts.....		12,390	-	12,390
Unobligated Balance Available.....	23,600	30,100	-	6,500
Add:				
Transferred to other accounts.....	138,510	-	-	139,510
Unobligated balance available to finance....				
subsequent year budget plans.....		13,400	+	13,400
Reprogramming from/to prior year budgets....		-	-	17,157
Anticipated transfers to other accounts.....		134,691	+	134,691
Appropriation.....	\$ 4,558,644	\$ 4,541,987	-	\$ 16,657

**EXPLANATION OF CHANGES IN FINANCING**

The change in program financing of \$7,394,000 is due to increased program account needs (+\$10,809,000) explained previously plus fewer actual orders than anticipated in the reimbursable account (-\$3,415,000).

Financing changes reduce the appropriation by a new amount of 16,657,000. Financing adjustments include anticipated transfers (+\$134,691,000), +\$13,400,000 relating to unobligated balances, -\$17,157,000 for reprogramming associated with prior year budget plans, -\$139,510,000 transferred to other accounts. These were partially offset by -\$12,390,000 transferred to the appropriation, an increase in anticipated reimbursements (+\$3,415,000) and -\$6,500,000 of available unobligated balance.

**COMPARISON OF FY 1997 PROGRAM REQUIREMENTS AS REFLECTED IN THE FY 1997 PRESIDENT'S BUDGET  
WITH FY 1997 PROGRAM REQUIREMENTS SHOWN IN THE FY 1998/1999 PRESIDENT'S BUDGET  
(In Thousands of Dollars)**

	<u>Total Program Requirements per FY 1997 Budget</u>	<u>Total Program Requirements per FY 1998/1999 Budget</u>	<u>Increase (+) or Decrease (-)</u>
Combat Aircraft.....	\$ 3,173,198	\$ 3,763,860	+ \$ 590,662
Trainer Aircraft.....	299,105	292,481	- 6,624
Other Aircraft.....	-	206,387	+ 206,387
Modification of Aircraft.....	1,202,010	1,436,871	+ 234,861
Aircraft Spares and Repair Parts.....	839,987	819,929	- 20,058
Aircraft Support Equipment and Facilities.....	367,652	353,294	- 14,358
Reimbursable Program.....	<u>7,100</u>	<u>7,100</u>	<u>-</u>
<b>TOTAL FISCAL YEAR PROGRAM.....</b>	<b>\$ 5,889,052</b>	<b>\$ 6,879,922</b>	<b>+ \$ 990,870</b>

**EXPLANATION BY BUDGET ACTIVITY**

**Combat Aircraft (+\$590.662 million):**

Congressional action resulted in increases (+) for the following programs:

<u>PROGRAM</u>	<u>QUANTITY</u>	<u>AMOUNT</u>
AV-8B	2	\$ 62.743
V-22	1	190.000
E-2C	2	155.000
F/A-18 C/D	6	279.000
F/A-18 E/F		<u>-15.100</u>
		\$ 671.643

Decreases to this budget activity include DBOF reduction (-\$76.893 million), Anti-terrorism surcharge (-\$3.609 million) and Non-FFRDC consulting services (-\$.479 million) pursuant to Public Law 104-208 sections 8120 8138 and 8037(h) respectively. The break-out is as follows:

<u>PROGRAM</u>	<u>2% DBOF Reduction SEC 8120</u>	<u>Counter Drug/ Anti-Terrorism Reduction SEC 8138</u>	<u>Non-FFRDC Reduction SEC 8037(h)</u>
AV-8B	-7.352	-0.344	-0.244
SH-60B	-0.128	-0.006	-0.120
V-22	-14.973	-0.703	
E-2C	-6.069	-0.284	-0.115
F/A-18C/D	-5.579	-0.262	
F/A-18E/F	-42.792	-2.010	
	<u>\$ -76.893</u>	<u>\$ -3.609</u>	<u>\$ -0.479</u>

**Trainer Aircraft (-\$6.624 million):**

Decreases to this budget activity include DBOF surcharge (-\$5.982 million), Anti-terrorism surcharge (-\$.280 million) and Non-FFRDC consulting service reduction (-\$.362 million) pursuant to Public Law 104-208 sections 8120, 8138 and 8037(h) respectively.

**Other Aircraft (+\$206.387 million):**

The increase to this budget activity includes Congressional action to procure 4 KC-130J aircraft for \$210.800 million. The KC-130J was decreased by the DBOF surcharge (-\$4.215 million) and Anti-terrorism surcharge (-\$.198 million) pursuant to Public Law 104-208 sections 8120 and 8138 respectively.

**Modification of Aircraft (+\$234.861 million):**

Congressional action resulted in increases (+\$270.115 million) for the following programs:

<u>PROGRAM</u>	<u>AMOUNT</u>
UH-1 MODS	\$ 13.500
F-18 MODS	-2.159
H-53 MODS	10.000
P-3 MODS	52.200
EP-3 MODS	1.000

S-3 MODS	-5.000
CARGO/TRANS MODS	8.329
EXEC. HELO.	0.200
EA-6 MODS	128.000
E-2 MODS	4.800
F-14 MODS	5.000
COMMON AVIONICS	6.271
COMMON ECM	47.974
	<u>47.974</u>
	\$ 270.115

Decreases to this budget activity include DBOF surcharge (-\$29.424 million), Anti-terrorism surcharge (-\$1.398 million) and Non-FFRDC consulting services reduction (-\$4.432 million) pursuant to Public Law 104-208 sections 8120, 8138 and 8037(h) respectively.

**SPARES (-\$20.058 million):**

Congressional action resulted in decreases (-\$2.500 million) to aircraft replenishment spares. Additional decreases include a DBOF surcharge (-\$16.776 million), Anti-terrorism reduction (-\$.782 million) pursuant to Public Law 104-208 sections 8120 and 8138 respectively.

**Aircraft Support Equipment and Facilities (-\$14.358 million):**

Congressional action resulted in decreases (-\$5.000 million) to Common Ground Equipment. Additional decreases to this budget activity include a DBOF surcharge (-\$7.250 million), Anti-terrorism reduction (-\$.336 million) and Non-FFRDC consulting services reduction (-\$1.772 million) pursuant to Public Law 104-208 sections 8120, 8138 and 8037(h) respectively.

**COMPARISON OF FY 1997 FINANCING AS REFLECTED IN THE FY 1997 PRESIDENT'S BUDGET  
WITH FY 1997 FINANCING SHOWN IN THE FY 1998/1999 PRESIDENT'S BUDGET**

(In Thousands of Dollars)

	Financing per FY 1997 <u>Budget</u>	Financing per FY 1998/1999 <u>Budget</u>	Increase (+) or <u>Decrease (-)</u>
Program Requirements (Total).....	\$ 5,889,052	\$ 6,879,922	+ \$ 990,870
Program Requirements (Service account).....	5,881,952	6,872,822	+ 990,870
Program Requirements (Reimbursable).....	7,100	7,100	
Less:			
Anticipated Reimbursements.....	<u>7,100</u>	<u>7,100</u>	
Appropriation.....	\$ 5,889,052	\$ 6,879,922	+ \$ 990,870

**EXPLANATION OF CHANGES IN FINANCING**

The change in program financing of \$990,870,000 is the result of specific Congressional increases of \$1,145,058,000 reductions for DBOF surcharges in the amount of \$140,540,000, Anti-terrorism surcharges in the amount of \$6,603,000 and Non-FFRDC consulting services surcharges in the amount of \$7,045,000.

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>										DATE:	
<b>P-40</b>										<b>FEBRUARY 1997</b>	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
<b>Aircraft Procurement, Navy</b>						<b>AV-8B Remanufacture</b>					
	PRIOR YEARS	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	8	8	12	11	12	12	9	0	0	0	72
Net P-1 Cost (\$M)	237.194	223.524	337.295	277.648	315.507	303.395	282.561	1.439	1.606	0	1980.169
Advance Proc (\$M)	30.280	21.582	22.419	18.914	19.421	15.049	0	0	0	0	127.665
Wpn Sys Cost (\$M)	267.474	245.106	359.714	296.562	334.928	318.444	282.561	1.439	1.606	0	2107.834
Initial Spares (\$M)	3.779	10.911	5.076	23.982	24.541	12.569	8.598	0.034	0.039	0	89.529
Proc Cost (\$M)	271.253	256.017	364.790	320.544	359.469	331.013	291.159	1.473	1.645	0	2197.363
Unit Cost (\$M)	33.907	32.002	30.399	29.140	29.956	27.584	32.351	0.000	0.000	0.000	30.519
<p>MISSION: The AV-8B meets the Marine Corps requirements for a light attack aircraft to provide responsive offensive air power that can operate from austere forward bases in direct support of ground forces.</p> <p>DESCRIPTION: The AV-8B Remanufacture program converts older AV-8B day attack configured aircraft to the most recent production radar/night attack Harrier II Plus configuration. The AV-8B (Harrier II) is a second-generation, vertical/short takeoff and landing (V/STOL), light attack jet aircraft utilized by the USMC. The AV-8B is a responsive, versatile, and dispersable aircraft capable of being operated from air-capable ships and/or ashore in support of marine operations.</p> <p>BASIS FOR REQUEST: The FY 1998/99 request is required to continue the remanufacture of light attack AV-8B aircraft to meet force level requirements.</p>											

Date: February 1997

**AIRCRAFT COST ANALYSIS**

Aircraft Model: AV-8B

Popular Name: Harrier

Manufacturer: MDA/BaE

**AV-8B REMANUFACTURE**

	<b>FY96</b>		<b>FY97</b>		<b>FY98</b>		<b>FY99</b>	
	8	12	8	12	11	12	11	12
	Unit Cost	Total Cost						
1. Airframe/CFE	17,935,379	143,483,032	16,790,759	201,489,107	17,488,808	192,376,884	17,515,086	210,181,035
2. Engine/Access	4,230,184	33,841,471	4,424,671	53,096,053	4,871,414	53,585,549	4,966,479	59,597,748
3. CFE Mission Ele	0	0	0	0	0	0	0	0
4. GFE Electronics	553,952	4,431,620	673,067	8,076,805	718,000	7,898,003	719,244	8,630,929
5. Armament		0		0		0		0
6. Other GFE	16,994	135,954	17,374	208,486	17,739	195,125	18,114	217,365
Subtotal GFE	4,801,130	38,409,045	5,115,112	61,381,344	5,607,152	61,678,677	5,703,837	68,446,042
7. Rec Flyaway ECO	358,708	2,869,661	335,815	4,029,782	349,776	3,847,538	350,302	4,203,621
8. Recurr Flyaway Cost	23,095,217	184,761,738	22,241,686	266,900,233	23,445,736	257,903,099	23,569,225	282,830,698
9. Nonrecurring Cost	1,264,625	10,117,000	1,890,392	22,684,700	1,136,364	12,500,000	83,333	1,000,000
10. Ancillary Equipment	0	0	0	0	0	0	0	0
11.	0							
12. Total Flyaway Cost	24,359,842	194,878,738	24,132,078	289,584,933	24,582,100	270,403,099	23,652,558	283,830,698
13. Airframe PGSE		5,867,261		9,055,000		2,800,000		4,450,000
14. Engine PGSE		2,064,000		2,703,000		836,000		1,640,000
15. Avionics PGSE		13,863,000		26,194,000		6,350,000		19,695,000
16. Pec Training Equip		1,351,000		11,176,000		400,000		820,000
17. Pubs/Tech Data		5,887,000		1,100,000		2,101,000		4,382,000
18. Production Support		11,790,001		14,183,067		14,806,901		14,653,302
19.		0		0		0		0
20. ILS/REL Dem		3,246,000		4,881,000		2,370,000		4,950,000
21. Support ECO		0		0		0		0
22. SUPPORT COST		44,068,262		69,292,067		29,663,901		50,590,302
23. GROSS P-1 COST		238,947,000		358,877,000		300,067,000		334,421,000
24. ADV PROC CREDIT		-15,423,000		-21,582,000		-22,419,000		-18,914,000
25. NET P-1 COST		223,524,000		337,295,000		277,648,000		315,507,000
26. ADV PROC		21,582,000		22,419,000		18,914,000		19,421,000
27. WEAPON SYSTEM		245,106,000		359,714,000		296,562,000		334,928,000
28. SPARES		10,911,000		5,076,000		23,982,000		24,541,000
29. PROCUREMENT COST		256,017,000		364,790,000		320,544,000		359,469,000

ITEM NO.

PAGE NO.

1

2

Date: February 1997

**AIRCRAFT COST ANALYSIS**

Aircraft Model: AV-8B

Popular Name: Harrier

Manufacturer: MDA/BAe

**AV-8B REMANUFACTURE**

	<b>FY00</b>		<b>FY01</b>		<b>FY02</b>		<b>FY03</b>	
	12	9	12	9	0	0	0	0
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. Airframe/CFE	17,844,281	214,131,374	19,230,283	173,072,544	0	0	0	0
2. Engine/Access	4,875,244	58,502,926	4,654,648	41,891,833	0	0	0	0
3. CFE Mission Ele	0	0	0	0	0	0	0	0
4. GFE Electronics	735,720	8,828,644	798,491	7,186,422	0	0	0	0
5. Armament		0		0	0	0		0
6. Other GFE	18,500	222,004	18,906	170,157	0	0	0	0
Subtotal GFE	5,629,465	67,553,574	5,472,046	49,248,412	0	0	0	0
7. Rec Flyaway ECO	356,886	4,282,627	384,606	3,461,451	0	0	0	0
8. Recurr Flyaway Cost	23,830,631	285,967,575	25,086,934	225,782,407	0	0	0	0
9. Nonrecurring Cost	83,333	1,000,000	111,111	1,000,000	0	0	0	0
10. Ancillary Equipment	0	0	0	0	0	0	0	0
11.								
12. Total Flyaway Cost	23,913,965	286,967,575	25,198,045	226,782,407	0	0	0	0
13. Airframe PGSE		4,042,000		5,650,000		0		0
14. Engine PGSE		910,000		1,220,000		0		0
15. Avionics PGSE		6,500,000		9,000,000		0		0
16. Pec Training Equip		1,175,000		29,713,000		0		0
17. Pubs/Tech Data		3,170,000		5,800,000		0		0
18. Production Support		15,411,425		14,349,593		1,439,000		1,606,000
19.		0		0		0		0
20. ILS/REL Dem		4,640,000		5,095,000		0		0
21. Support ECO		0		0		0		0
22. SUPPORT COST		35,848,425		70,827,593		1,439,000		1,606,000
23. GROSS P-1 COST		322,816,000		297,610,000		1,439,000		1,606,000
24. ADV PROC CREDIT		-19,421,000		-15,049,000		0		0
25. NET P-1 COST		303,395,000		282,561,000		1,439,000		1,606,000
26. ADV PROC		15,049,000		0		0		0
27. WEAPON SYSTEM		318,444,000		282,561,000		1,439,000		1,606,000
28. SPARES		12,569,000		8,598,000		34,000		39,000
29. PROCUREMENT COST		331,013,000		291,159,000		1,473,000		1,645,000

ITEM NO.

1

PAGE NO.

3

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE <b>FEBRUARY 1997</b>	
B. APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT PROCUREMENT, NAVY BUDGET ACTIVITY 1</b>				C. P-1 ITEM NOMENCLATURE <b>AV-8B REMANUFACTURE AIRFRAME</b>				SUBHEAD <b>U1CC/U1AK</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Regular/1996	MDA, St. Louis	SS/FFP	NAVAIR	4/96	12/97	8	17,935	YES	NO	
Advance/1996	MDA, St. Louis	SS/AAC	NAVAIR	9/96						
Regular/1997	MDA, St. Louis	SS/FFP	NAVAIR	10/96	10/98	12	16,790	YES	NO	
Advance/1997	MDA, St. Louis	SS/AAC	NAVAIR	12/96						
Regular/1998	MDA, St. Louis	SS/FFP	NAVAIR	10/97	10/99	11	17,489	YES	NO	
Advance/1998	MDA, St. Louis	SS/AAC	NAVAIR	12/97						
Regular/1999	MDA, St. Louis	SS/FFP	NAVAIR	10/98	10/00	12	17,515	YES	NO	
Advance/1999	MDA, St. Louis	SS/AAC	NAVAIR	12/98						
D. REMARKS										

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE FEBRUARY 1997	
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, NAVY BUDGET ACTIVITY 1				C. P-1 ITEM NOMENCLATURE AV-8B REMANUFACTURE ENGINE			SUBHEAD U1CC/UAK			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
Regular/1996	Rolls Royce, Bristol,England	SS/FFP	NAVAIR	4/96	2/97	8	4,230	YES	NO	
Advance/1996	Rolls Royce, Bristol,England	SS/AAC	NAVAIR	4/96						
Regular/1997	Rolls Royce, Bristol,England	SS/FFP	NAVAIR	12/96	10/97	12	4,425	YES	NO	
Advance/1997	Rolls Royce, Bristol,England	SS/AAC	NAVAIR	03/97						
Regular/1998	Rolls Royce, Bristol,England	SS/FFP	NAVAIR	10/97	01/99	11	4,871	YES	NO	
Advance/1998	Rolls Royce, Bristol,England	SS/AAC	NAVAIR	12/97						
Regular/1999	Rolls Royce, Bristol,England	SS/FFP	NAVAIR	10/98	01/00	12	4,966	YES	NO	
Advance/1999	Rolls Royce, Bristol,England	SS/AAC	NAVAIR	12/98						
D. REMARKS										



<b>FY 1998/99 BUDGET PRODUCTION SCHEDULE</b>	P-1 ITEM NOMENCLATURE	DATE
	<b>AV-8B REMANUFACTURE AIRFRAME</b>	<b>FEBRUARY 1997</b>

ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1998												FISCAL YEAR 1999												FISCAL YEAR 2000												L A T E R											
	CALENDAR YEAR 1998												CALENDAR YEAR 1999												CALENDAR YEAR 2000																							
	1997	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S										
	C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	U	S	T	V	C	N	B	R	R	Y	N	L	G	P
McDonnell Douglas																																																
St. Louis MO																																																
AV-8B REMANUFACTURE																																																
FY-94 REMANUFACTURE																																																
FY-95 REMANUFACTURE																																																
FY-96 REMANUFACTURE			1	1		1			1	1	1	1	1																																			
FY-97 REMANUFACTURE													1	1	1	1	1	1	1	1	1	1	1	1																								
FY-98 REMANUFACTURE																									1	1	1	1	1	1	1	1	1	1	1	1												
FY-99 REMANUFACTURE																																					12											
FY-00 REMANUFACTURE																																					12											
FY-01 REMANUFACTURE																																					9											
TOTAL	0	0	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	33												
	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S												
	C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	U	S	C	O	E	A	E	A	P	A	U	U	U	S												
	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P												

REMARKS









<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE <b>February 1997</b>				
TRAINING DEVICE BY TYPE <b>Weapons System Trainer</b>						Weapon System <b>AV-8B</b>						
FINANCIAL PLAN	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)				9.111						11.100	0	20.211
Engineering Change Orders		0.543				0.270		0.620		0.460	0	1.893
Non-Recurring											0	0.000
GFE				1.300						1.500	0	2.800
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	0.543	0	10.411	0	0.270	0	0.620	0	13.060	0	24.904
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support											0	0.000
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0.000	0	0.000
Software/Courseware				0.765						1.763	0	2.528
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.543</b>	<b>0</b>	<b>11.176</b>	<b>0</b>	<b>0.270</b>	<b>0</b>	<b>0.620</b>	<b>0</b>	<b>14.823</b>	<b>0</b>	<b>27.432</b>

Exhibit P-43

ITEM NO.

1

PAGE NO.

12

CLASSIFICATION:

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION									DATE February 1997			
TRAINING DEVICE BY TYPE Maintenance Trainers						Weapon System AV-8B						
FINANCIAL PLAN	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complet		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)										13.130	0	13.130
Engineering Change Orders Non-Recurring		808.000				0.130		0.200		0.235	0	808.565
GFE										1.700	0	1.700
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	808.000	0	0.000	0	0.130	0	0.200	0	15.065	0	823.395
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support											0	0.000
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0.000	0	0.000
Software/Courseware										1.000	0	1.000
<b>TOTAL COSTS</b>	<b>0</b>	<b>808.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.130</b>	<b>0</b>	<b>0.200</b>	<b>0</b>	<b>16.065</b>	<b>0</b>	<b>824.395</b>

Exhibit P-43

SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE:		
Appropriation/P-1 Line Item			Weapon System		IOC Date		Equipment Nomenclature		PE			
			AV-8B		Dec-98		Weapon System Trainer					
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Weapon System Trainer 2F149	Yuma, AZ	10/98	12/98	250/Month			1	11.176				
										EXHIBIT P-43		

ITEM NO.  
1

PAGE NO.  
14

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Exhibit P-20, Requirements Study				APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, NAVY			DATE: February 1997	
P-1 ITEM NOMENCLATURE AV-8B Remanufacture			Admin Leadtime (after Oct1): Two months			Prod Leadtime : 35 months		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary*	8	12	11	12	12	9		
Unit Cost	32.0	30.4	29.1	30.0	27.6	32.4		
Total Cost	\$256.0	\$364.8	\$320.5	\$359.5	\$331.0	\$291.2	\$1.5	\$1.6
<b>Asset Dynamics</b>								
Beginning Asset Position	0	3	8	16	28	39	51	63
Deliveries from all prior year funding	3	5	8					
Deliveries from FY 1997 funding				12				
Deliveries from FY 1998 funding					11			
Deliveries from FY 1999 funding						12		
Deliveries from subsequent years' funding							12	9
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								
<b>End of Year Asset Position</b>	3	8	16	28	39	51	63	72
Inventory Objective or Current Authorized Allowanc	72	72	72	72	72	72	72	72
Aircraft: AV-8B	Remarks: * AV-8B Remanufacture is a capabilities improvement program whereby selected day attack AV-8B's are "remanufactured" into the radar/night attack AV-8B configuration with no increase in total AV-8B inventory.							
TOAI: 72								
PAA: 72								
TAI: 5								
Attrition Res: 0								
BAI: 0								
Inactive Inv: 0								
Storage: 0								

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40								DATE: <b>FEBRUARY 1997</b>		
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>					P-1 ITEM NOMENCLATURE <b>Advance Procurement AV-8B Remanufacture</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	To Complete	Total
QUANTITY										
COST (In Millions)	30.280	21.582	22.419	18.914	15.049	0.000	0.000	0.000	0.000	127.665
<p>DESCRIPTION: This line item funds long-lead requirements for the AV-8B production program. Airframe/CFE and Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis, procuring the long-lead quantity needed to protect the production schedule.</p> <p>BASIS FOR REQUEST: The FY 1998 request is required to cover long-lead requirements for the procurement of 12 aircraft in FY 1999. The FY 1999 request is required to cover long-lead requirements for the procurement 12 aircraft in FY 2000.</p>										

Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)									Date: <b>FEBRUARY 1997</b>					
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Navy, BA-1, Combat Aircraft</b>									P-1 Line Item Nomenclature <b>AV-8B AP</b>					
Weapon System <b>AV-8B Remanufacture</b>				First System (BY1) Award Date <b>Oct-98</b>					First System (BY1) Completion Date <b>Oct-00</b>					
(\$ in Millions)														
	PLT	When Rqd	Prior Years	FY1995	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	To Complete	Total
End Item Qty	35		4	4	8	12	11	12	12	9	0	0	0	72
CFE Airframe	35	35	9.7	11.5	10.4	11.5	7.1	7.6	6.8					64.6
GFE Engine	24	24	3.2	3.5	8.9	8.9	9.8	9.8	6.8					50.9
GFE EMUs	23	23	0.2	0	0.6	0.3	0.3	0.3	0.3					2.0
GFE Other	19	19	1.7	0.4	1.7	1.7	1.7	1.7	1.1					10
EOQ														
Design														
Term Liab														
Other														
<b>Total AP</b>			14.8	15.4	21.6	22.4	18.9	19.4	15	0	0	0	0	127.5
Description:														
Private venture non-recurring costs (\$600,000/unit) for Rolls-Royce is amortized over engine procurements.														

P-1 Shopping List Item No 2

Exhibit P-10, Advance Procurement Requirements Analysis

ITEM NO.

PAGE NO.

2

2



CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement Navy BA-1						P-1 ITEM NOMENCLATURE F/A-18 C/D HORNET					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	1003	18	6	0	0	0	0	0	0	0	1,027
Net P-1 Cost (\$M)	28,680.305	794.501	273.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	29,747.965
Advance Proc (\$M)	2,540.443	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2,540.443
Wpn Sys Cost (\$M)	31,220.748	794.501	273.159	0.000	0.000	0.000	0.000	0.000	0.000	0.000	32,288.408
Initial Spares (\$M)	1,634.523	5.605	9.586	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1,649.714
Proc Cost (\$M)	32,855.271	800.106	282.744	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33,938.121
Unit Cost (\$M)	32.757	44.450	47.124	0.000	0.000	0.000	0.000	0.000	0.000	0.000	33.046
<p><b>MISSION AND DESCRIPTION:</b>                      The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multimission tactical aircraft. The F/A-18 is employed in both the Navy and Marine Corps squadrons. Commencing with the FY 1988 procurement, both the single seat and two-seat F/A-18's include a night attack capability. Commencing with the FY 1989 procurement, two-seat aircraft are being designed to carry the tactical reconnaissance system (ATARS). F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.</p>											

Date: February 1997

**AIRCRAFT COST ANALYSIS**

Aircraft model: F/A-18C/D

Popular Name: HORNET

Manufacturer: MDA

	FY 96		Qty18	FY 97		Qty 6	FY 98		Qty 0	FY 99		Qty 0
	Unit Cost	Total Cost		Unit Cost	Total Cost		Unit Cost	Total Cost		Unit Cost	Total Cost	
1 Airframe CFE	20,904,037	376,272,660		22,588,107	135,528,639							
2 CFE Electronics	4,808,186	86,547,340		5,226,952	31,361,710							
3 GFE Electronics	2,112,337	38,022,072		2,008,045	12,048,268							
4 Engines/Eng Acc	3,739,997	67,319,940		3,909,059	23,454,356							
5 Armament	11,684	210,319		0	0							
6 Other GFE	400,025	7,200,449		732,560	4,395,358							
7 Rec Flyaway ECO	0	0		109,064	654,382							
8 Rec Flyaway Cost	31,976,266	575,572,780		34,573,786	207,442,713							
9 Non-Recur Cost	1,247,198	22,449,570		0	0							
10 Ancillary Equip	7,590,667	136,632,000		6,233,595	37,401,568							
11	0	0		0	0							
12 Total Flyaway	40,814,131	734,654,350		40,807,380	244,844,281							
13 Airframe PGSE		8,854,231			1,129,608							
14 Engine PGSE		1,360,129			359,014							
15 Avionics PGSE		11,924,690			1,443,783							
16 Pec Trng Eq		6,088,338			3,656,228							
17 Pub/Tech Eq		9,232,210			9,428,310							
18 Fac Mgmt/Fld Act		45,189,680			2,377,972							
19 ILS/Rel Dem		61,394,300			9,919,399							
20 Support Cost		0			0							
21 Support Cost		144,043,578			28,314,313							
22 Gross P-1 Cost		878,697,928			273,158,594							
23 Adv Proc Credit		-84,197,000			0							
24 Net P-1 Cost		794,500,928			273,158,594							
25 Adv Proc		0			0							
26 Weapon Sys Cost		794,500,928			273,158,594							
27 Spares		5,605,000			9,586,000							
28 Procurement Cost		800,105,928			282,744,594							

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement Navy BA-1</b>				C. P-1 ITEM NOMENCLATURE <b>F/A-18 C/D Hornet</b>				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>AIRFRAME/CFE</b>										
FY 1996 REG	MDA, St Louis, MO.	SS/FFP* w/option	NAVAIR	Jun-96	Oct-97	12 6	25.712	Yes	No	
FY 1997 REG	MDA, St Louis, MO.	SS/FFP	NAVAIR	Jun-97	Nov-98	6	27.815	Yes	No	
REMARKS: *6 aircraft option included in FY 1996 contract.										
D. REMARKS										

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY								February 1997		
Aircraft Procurement Navy BA-1				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
				F/A-18 C/D Hornet						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>F-404-GE-402 ENGINE</b> (2 PER A/C)										
FY 1996 REG	LYNN, MA	SS/FFP* w/option	NAVAIR	Mar-96	Apr-97	24 12	1.870	Yes	No	
FY 1997 REG	LYNN, MA	SS/FFP	NAVAIR	Mar-97	Apr-98	12	1.955	Yes	No	
REMARKS: * 12 engine option included in FY 1996 contract.										
SPARES NOT INCLUDED.										
D. REMARKS										

**Y 1998/99 BUDGET PRODUCTION SCHEDULE**

P-1 ITEM NOMENCLATURE  
F/A-18C/D McDONNELL DOUGLAS AEROSPACE ST. LOUIS, MO.

Date February 1997

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996												FISCAL YEAR 1997												L A T E R	
					CALENDAR YEAR 1996												CALENDAR YEAR 1997													
					1995	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A		S
	C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E						
<u>F/A-18C</u>																														
FY94	N	36		36	3	3	3	3	3	3	3	3	3	3	3															
FY95	N	24		24												2	2	2	2	2	2	2	2	2	2					
FY96	N	10		10																					10					
<u>F/A-18D</u>																														
FY96	N	8		8																					8					
FY97	N	6		6																					6					
<b>TOTAL</b>		0	84	0	84	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	24					
						O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
						C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	Y	N	L	G	P		
						PROCUREMENT LEAD TIME												REMARKS												
						PRODUCTION RATES			RCH'D			ADMIN			LEAD TIME			MANU-			TOTAL									
						1-8-5	MAXIMUM	D	+																					
						3	16	55	33																					
						McDONNELL DOUGLAS AEROSPAC												McDONNELL DOUGLASCORPORATION												
						ST. LOUIS, MO. 63165																								
						INITIAL																								
						7												9												
						27												36												
						REORDER (Previous Source)																								















CLASSIFICATION:

**UNCLASSIFIED**

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY					DATE:	
P-1 ITEM NOMENCLATURE			Aircraft Procurement Navy BA-1					February 1997	
F/A-18 C/D HORNET			Admin Leadtime (after Oct1):			9 Months		Prod Leadtime :	
						27 Months			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
Buy Summary	18	6	0	0	0	0	0	0	
Unit Cost	44.450	47.124							
Total Cost	800.106	282.744							
<b>Asset Dynamics</b>									
Beginning Asset Position	493	521	536	545	542	532	521	512	
Deliveries from all prior year funding	36	24	18						
Deliveries from FY 1997 funding				6					
Deliveries from FY 1998 funding									
Deliveries from FY 1999 funding									
Deliveries from subsequent years' funding									
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attritions/etc.	8	9	9	9	10	11	9	11	
<b>End of Year Asset Position</b>	521	536	545	542	532	521	512	501	
Inventory Objective or Current Authorized Allowance	549	581	583	584	568	562	551	540	
Aircraft:	F/A-18 C	F/A-18 D	Remarks:						
TOAI:	391	130							
PAA:	376	128							
TAI:	391	130							
Attrition Res:	0	0							
BAI:	15	2							
Inactive Inv:	0	0							
Storage:	0	0							
Note: These inventory numbers reflect FY96 quantities shown in the A-II Budget Exhibit dated 24 May 1996.									

CLASSIFICATION:

**UNCLASSIFIED**

DATE: February 1997

APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement Navy BA-1						P-1 ITEM NOMENCLATURE F/A-18 E/F HORNET					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	0	0	12	20	30	48	50	50	50	740	1000
Net P-1 Cost (\$M)	0.000	0.000	1,806.128	2,101.100	2,922.673	4,020.958	3,566.897	3,397.429	3,362.682	48,792.669	69,970.535
Advance Proc (\$M)	0.000	233.633	288.693	90.475	111.683	112.793	87.240	104.700	100.056	1,498.933	2,628.206
Wpn Sys Cost (\$M)	0.000	233.633	2,094.821	2,191.575	3,034.356	4,133.751	3,654.137	3,502.129	3,462.738	50,291.602	72,598.742
Initial Spares (\$M)	0.000	0.000	79.965	69.772	111.472	61.776	88.790	93.396	57.929	822.252	1,385.352
Proc Cost (\$M)	0.000	233.633	2,174.786	2,261.347	3,145.828	4,195.527	3,742.927	3,595.525	3,520.667	51,113.854	73,984.094
Unit Cost (\$M)	0.000	0.000	181.232	113.067	104.861	87.407	74.859	71.911	70.413	69.073	73.984

**MISSION AND DESCRIPTION:**

The F/A-18 Naval Strike Fighter is a twin-engine, mid-wing, multimission tactical aircraft. The F/A-18 is employed in both the Navy and Marine Corps squadrons. F/A-18 can be missionized through selected use of external equipment to accomplish specific fighter or attack missions. This capability allows the Operational Commander more flexibility in employing his tactical aircraft in a dynamic scenario. The primary design mission for the F/A-18 is a strike fighter which includes the traditional applications, such as fighter escort and fleet air defense, combined with the attack applications, such as interdiction and close air support. Since the same airframe systems are used on attack missions as well as fighter missions, excellent fighter and self defense capability is retained.

**BASIS FOR 98/99 BUDGET REQUEST:**

Funding is required in FY 1998 to procure 20 aircraft. Funding is required in FY 1999 to procure 30 aircraft.

Date: **February 1997**

**AIRCRAFT COST ANALYSIS**

Aircraft mode F/A-18 E/F

Popular Name: HORNET

Manufacturer: MDA

	<b>FY 96</b>	Qty 0	<b>FY 97</b>	Qty 12	<b>FY 98</b>	Qty 20	<b>FY 99</b>	Qty 30
	<u>Unit Cost</u>	<u>Total Cost</u>						
1 Airframe CFE	0	0	96,854,272	1,162,251,264	69,091,972	1,381,839,435	51,847,685	1,555,430,543
2 CFE Electronics	0	0	6,178,491	74,141,890	6,443,059	128,861,179	6,405,951	192,178,534
3 GFE Electronics	0	0	1,116,750	13,401,000	2,573,095	51,461,902	2,859,140	85,774,186
4 Engines/Eng Acc	0	0	11,666,667	140,000,000	9,707,789	194,155,776	8,578,504	257,355,127
5 rment	0	0	44,033	528,400	45,461	909,224	46,422	1,392,673
6 Other GFE	0	0	449,167	5,390,000	483,158	9,663,157	483,712	14,511,349
7 Rec Flyaway ECO	0	0	4,583,333	55,000,000	4,532,102	90,642,037	2,330,145	69,904,363
8 Rec Flyaway Cost	0	0	120,892,713	1,450,712,554	92,876,635	1,857,532,709	72,551,559	2,176,546,773
9 Non-Recur Cost	0	0	13,083,333	157,000,000	7,362,750	147,255,000	3,520,067	105,602,000
10 Ancillary Equip	0	0	4,660,083	55,921,000	8,716,837	174,336,744	10,898,933	326,968,000
11								
12 Total Flyaway	0	0	138,636,130	1,663,633,554	108,956,223	2,179,124,453	86,970,559	2,609,116,775
13 Airframe PGSE		0		40,803,000		27,328,000		76,366,000
14 Engine PGSE		0		1,400,000		6,732,000		28,922,000
15 Avionics PGSE		0		37,403,000		15,003,000		49,893,000
16 Pec Trng Eq		0		86,383,000		3,995,000		68,249,000
17 Pub/Tech Eq		0		47,860,000		32,767,000		24,855,000
18 Fac Mgmt/Fld Act		0		38,441,000		34,954,000		88,783,000
19 ILS/Rel Dem		0		123,837,000		89,890,000		66,963,000
20 Support Cost		0		0		0		0
21 Support Cost		0		376,127,000		210,669,000		404,031,000
22 Gross P-1 Cost		0		2,039,760,554		2,389,793,453		3,013,147,775
23 Adv Proc Credit		0		-233,633,000		-288,693,000		-90,475,000
24 Net P-1 Cost		0		1,806,127,554		2,101,100,453		2,922,672,775
25 Adv Proc	233,633,000			288,693,000		90,475,000		111,683,000
26 Weapon System Cost	233,633,000			2,094,820,554		2,191,575,453		3,034,355,775
27 Spares	0			79,965,000		69,772,000		111,472,000
28 Procurement Cost	233,633,000			2,174,785,554		2,261,347,453		3,145,827,775

Date: **February 1997**

**AIRCRAFT COST ANALYSIS**

Aircraft mode F/A-18 E/F

Popular Name: HORNET

Manufacturer: MDA

	<b>FY 00</b>	Qty 48	<b>FY 01</b>	Qty 50	<b>FY 02</b>	Qty 50	<b>FY 03</b>	Qty 50
	<u>Unit Cost</u>	<u>Total Cost</u>						
1 Airframe CFE	41,988,325	2,015,439,580	37,418,527	1,870,926,364	35,256,112	1,762,805,594	34,395,642	1,719,782,076
2 CFE Electronics	6,135,188	294,489,020	5,995,901	299,795,033	5,640,705	282,035,255	5,795,049	289,752,427
3 GFE Electronics	2,908,188	139,593,000	2,644,111	132,205,532	2,634,561	131,728,027	2,654,564	132,728,175
4 Engines/Eng Acc	7,770,044	372,962,090	7,215,494	360,774,698	7,035,574	351,778,703	6,951,216	347,560,801
5 Armament	47,413	2,275,832	48,454	2,422,686	49,598	2,479,909	50,841	2,542,057
6 Other GFE	493,453	23,685,755	546,987	27,349,355	417,232	20,861,591	462,788	23,139,408
7 Rec Flyaway ECO	1,353,972	64,990,660	868,289	43,414,428	817,936	40,896,817	803,814	40,190,690
8 Rec Flyaway Cost	60,696,582	2,913,435,937	54,737,762	2,736,888,097	51,851,718	2,592,585,895	51,113,913	2,555,695,635
9 Non-Recur Cost	1,496,708	71,842,000	0	0	0	0	0	0
10 Ancillary Equip	11,513,375	552,642,000	10,658,354	532,917,707	10,576,884	528,844,181	8,507,695	425,384,752
11				0	0		0	
12 Total Flyaway	73,706,665	3,537,919,937	65,396,116	3,269,805,804	62,428,602	3,121,430,076	59,621,608	2,981,080,387
13 Airframe PGSE		107,585,000		51,691,000		41,274,000		63,744,000
14 Engine PGSE		35,906,000		29,590,000		21,230,000		19,993,000
15 Avionics PGSE		46,801,000		43,482,000		24,165,000		35,466,000
16 Pec Trng Eq		98,581,000		66,532,000		36,347,000		38,409,000
17 Pub/Tech Eq		103,750,000		46,503,000		47,787,000		97,317,000
18 Fac Mgmt/Fld Act		111,601,000		105,740,000		102,511,000		100,974,000
19 ILS/Rel Dem		90,497,000		66,346,000		89,925,000		130,399,000
20 Support Cost		0		0		0		0
21 Support Cost		594,721,000		409,884,000		363,239,000		486,302,000
22 Gross P-1 Cost		4,132,640,937		3,679,689,804		3,484,669,076		3,467,382,387
23 Adv Proc Credit		-111,683,000		-112,793,000		-87,240,000		-104,700,000
24 Net P-1 Cost		4,020,957,937		3,566,896,804		3,397,429,076		3,362,682,387
25 Adv Proc		112,793,000		87,240,000		104,700,000		100,056,000
26 Weapon System Cost		4,133,750,937		3,654,136,804		3,502,129,076		3,462,738,387
27 Spares		61,776,000		88,790,000		93,396,000		57,929,000
28 Procurement Cost		4,195,526,937		3,742,926,804		3,595,525,076		3,520,667,387

CLASSIFICATION:

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement Navy BA-1				C. P-1 ITEM NOMENCLATURE F/A-18 E/F Hornet				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>AIRFRAME/CFE</u>										
FY96 for FY97 ADV PROC	MDA, St Louis, Mo	SS/CPIF	NAVAIR	Apr-96				Yes	No	
FY 1997	MDA, St Louis, MO.	SS/CPIF	NAVAIR	Apr-97	Jan-99	12	103.033	Yes	No	
FY97 for FY98 ADV PROC	MDA, St Louis, MO.	SS/CPIF	NAVAIR	Apr-97				Yes	No	
FY 1998	MDA, St Louis, MO.	SS/CPIF*	NAVAIR	Mar-98	Jan-00	20	75.535	Yes	No	
FY98 for FY99 ADV PROC	MDA, St Louis, Mo	SS/CPIF	NAVAIR	Mar-98				Yes	No	
FY 1999	MDA, St Louis, MO.	SS/CPIF	NAVAIR	Mar-99	Jan-01	30	58.254	Yes	No	
FY99 for FY00 ADV PROC	MDA, St Louis, Mo	SS/CPIF	NAVAIR	Mar-99				Yes	No	
Regular = Definitization date/estimated future definitization date of the contract.										
D. REMARKS										

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE February 1997		
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement Navy BA-1</b>				C. P-1 ITEM NOMENCLATURE <b>F/A-18 E/F Hornet</b>				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b><u>F-414-GE-400 ENGINE</u></b> (2 PER A/C)										
FY96 for FY97 ADV PROC	G.E. LYNN, MA	SS/CPIF	NAVAIR	Apr-96				Yes	No	
FY 1997	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-97	Apr-98	24	5.833	Yes	No	
FY97 for FY98 ADV PROC	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-97				Yes	No	
FY 1998	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-98	Apr-99	40	4.854	Yes	No	
FY98 for FY99 ADV PROC	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-98				Yes	No	
FY 1999	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-99	Apr-00	60	4.289	Yes	No	
FY99 for FY00 ADV PROC	G.E. LYNN, MA	SS/CPIF	NAVAIR	Mar-99				Yes	No	
SPARES NOT INCLUDED.										
D. REMARKS										

F/A-18E/F McDONNELL DOUGLAS AEROSPACE ST. LOUIS, MO.

ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996												FISCAL YEAR 1997												L A T E R												
					1995												CALENDAR YEAR 1996													CALENDAR YEAR 1997											
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P													
F/A-18E																																									
FY97	N	8	0	8																																					
FY98	N	10	0	10																																					
FY99	N	14	0	14																																					
FY00	N	20	0	20																																					
FY01	N	13	0	13																																					
FY02	N	38	0	38																																					
FY03	N	32	0	32																																					
F/A-18F																																									
FY97	N	4	0	4																																					
FY98	N	10	0	10																																					
FY99	N	16	0	16																																					
FY00	N	28	0	28																																					
FY01	N	37	0	37																																					
FY02	N	12	0	12																																					
FY03	N	18	0	18																																					
TOTAL	0	260	0	260	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	260															
					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													
					PROCUREMENT LEAD TIME												REMARKS																								
MANUFACTURER'S NAME AND LOCATION		PRODUCTION RATES		REORDER POINT																																					
		MINIMUM	1-8-5	MAXIMUM																																					
McDONNELL DOUGLAS AEROSPACE	3	16	55	33																																					
McDONNELL DOUGLAS CORPORATION																																									
ST. LOUIS, MO. 63165																																									
					INITIAL																																				
					REORDER (Previous Source)																																				









FY 1998/99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE										DATE																		
										F414-GE-400 ENGINE (F/A-18E/F AIRCRAFT)										February 1997																		
ITEM / MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 2001										FISCAL YEAR 2002										FISCAL YEAR 2003										L A T E R							
	2000	CALENDAR YEAR 2001									CALENDAR YEAR 2002									CALENDAR YEAR 2003																		
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	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	
INSTALLS - FY99 SPARES	6 1	6 1	4 1	4 1	4																																	
INSTALLS - FY00 SPARES							8	8	8	8	6	8	6	8	6	12	6	12																				
INSTALLS - FY01 SPARES																6	14	6	12	6	12	6	12	2	12	12	1	1	1	1	1	1						
INSTALLS - FY02 SPARES																													14	4	14	4	12	4	12	36	1	
INSTALLS - FY03 SPARES																																					100	9
<b>TOTAL</b>	7	7	5	5	4	0	8	8	8	8	6	8	6	9	7	13	6	12	6	14	6	12	6	13	7	13	3	13	13	14	4	14	4	12	5	13	146	
	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	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P		
REMARKS																																						

SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE February 1997		
Appropriation/P-1 Line Item			Weapon System		IOC Date		Equipment Nomenclature			PE		
Aircraft Procurement Nav			F/A-18 E/F		1999		F/A-18 E/F HORNET					
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
OFT	Lemoore	Mar-99	Sep-99	200			1	14.528	0	0.000	0	0.000
OFT	Oceana	Mar-02	Sep-02	200							1	9.817
WTT	Lemoore	Jan-99	Jun-99	200			1	27.458	0	0.000	0	0
WTT	Oceana	Mar-02	Oct-02	200			0	0.000	0	0.000	1	34.934
MTS	Lemoore	Jun-99	Sep-99	600			1	39.874	0	3.995	0	16.132
PTT	Lemoore	Mar-99	Sep-99	200			1	4.523	0	0.000	0	0.000
PTT	Oceana	Mar-02	Sep-02	200			0	0.000	0	0.000	1	7.366
	Total							86.383		3.995		68.249
				ITEM NO	PAGE NO.							
				4	12		EXHIBIT P-43					

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE February 1997				
TRAINING DEVICE BY TYPE						Weapon System						
<b>OFT (OPERATIONAL FLIGHT TRAINER)</b>						<b>F/A-18 E/F HORNET</b>						
FINANCIAL PLAN	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware) OFT			1	12.228			1	7.657	1	10.660	3	30.545
Engineering Change Orders Non-Recurring GFE			0	1.100			0	0.900			0	2.000
Other (Specify) Site preparation for trainer installation			0	1.200			0	1.260			0	2.460
<b>Total Hardware Costs</b>	0	0	1	14.528	0	0	1	9.817	1	10.660	3	35.005
<b>SUPPORT COST</b>												
Special Support Equipment											0	0
Integrated Logistics Support											0	0
Other (Specify)/Training Requirements											0	0
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0	0	0
Software/Courseware												
<b>TOTAL COSTS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>14.528</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>9.817</b>	<b>1</b>	<b>10.660</b>	<b>3</b>	<b>35.005</b>
*EMERGENT REQUIREMENT	ITEM NO. 4		PAGE NO. 13		Exhibit P-43							

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE February 1997		
TRAINING DEVICE BY TYPE <b>WTT (Weapon Tactics Trainer)</b>						Weapon System <b>F/A-18 E/F HORNET</b>						
FINANCIAL PLAN	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware) WTT			1	23.810			1	24.835			2	48.645
Engineering Change Orders Non-Recurring GFE			0	1.448			0	1.202			0	2.650
Other (Specify) Site preparation for trainer installation			0	2.200			0	1.638			0	3.838
<b>Total Hardware Costs</b>			1	27.458			1	27.675			2	55.133
<b>SUPPORT COST</b>												
Special Support Equipment											0	0
Integrated Logistics Support											0	0
Other (Specify)/Training Requirements											0	0
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0	0	0
Software/Courseware								7.259			0	7.259
<b>TOTAL COSTS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>27.458</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>34.934</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>62.392</b>
ITEM NO. 4			PAGE NO. 14			Exhibit P-43						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE February 1997				
TRAINING DEVICE BY TYPE <b>MTS (Maintenance Training System)</b>						Weapon System <b>F/A-18 E/F HORNET</b>						
FINANCIAL PLAN	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware) MTS			1	36.574							1	36.574
Engineering Change Orders Non-Recurring GFE			0	1.100							0	1.100
Other (Specify) Site preparation for trainer installation			0	2.200							0	2.200
<b>Total Hardware Costs</b>	0	0	1	39.874	0	0	0	0	0	0	1	39.874
<b>SUPPORT COST</b>												
Special Support Equipment											0	0
Integrated Logistics Support											0	0
Other (Specify)/Training Requirements											0	0
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0	0	0
Software/Courseware						3.995		16.132			0	20.127
<b>TOTAL COSTS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>39.874</b>	<b>0</b>	<b>3.995</b>	<b>0</b>	<b>16.132</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>60.001</b>
ITEM NO. 4			PAGE NO. 15			Exhibit P-43						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE February 1997				
TRAINING DEVICE BY TYPE <b>PTT (PART TASK TRAINER)</b>						Weapon System <b>F/A-18 E/F HORNET</b>						
FINANCIAL PLAN	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware) PTT			1	4.085			1	3.735			2	7.820
Engineering Change Orders Non-Recurring GFE			0	0.240			0	0.225			0	0.465
Other (Specify) Site preparation for trainer installation			0	0.198			0	0.180			0	0.378
<b>Total Hardware Costs</b>	0	0	1	4.523	0	0	1	4.140	0	0	2	8.663
<b>SUPPORT COST</b>												
Special Support Equipment											0	0
Integrated Logistics Support											0	0
Other (Specify)/Training Requirements											0	0
<b>Total Support Costs</b>	0	0	0	0	0	0	0	0	0	0	0	0
Software/Courseware								3.226			0	3.226
<b>TOTAL COSTS</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>4.523</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>7.366</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>11.889</b>
ITEM NO. 4			PAGE NO. 16			Exhibit P-43						

CLASSIFICATION: **UNCLASSIFIED**

<b>Exhibit P-20, Requirements Study</b>		APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement Navy BA-1</b>			DATE: <b>February 1997</b>			
P-1 ITEM NOMENCL <b>F/A-18 E/F HORNET</b>		Admin Leadtime (after Oct1): <b>6 Months</b>			Prod Leadtime : <b>23 Months</b>			

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	<b>0</b>	<b>12</b>	<b>20</b>	<b>30</b>	<b>48</b>	<b>50</b>	<b>50</b>	<b>50</b>
Unit Cost		<b>181.232</b>	<b>113.067</b>	<b>104.862</b>	<b>87.408</b>	<b>74.858</b>	<b>71.910</b>	<b>70.413</b>
Total Cost	<b>233.633</b>	<b>2,174.786</b>	<b>2,261.347</b>	<b>3,145.872</b>	<b>4,195.575</b>	<b>3,742.890</b>	<b>3,595.524</b>	<b>3,520.667</b>
<b>Asset Dynamics</b>								
Beginning Asset Position				0	9	30	52	102
Deliveries from all prior year funding				0	0	0	0	0
Deliveries from FY 1997 funding				9	3	0	0	0
Deliveries from FY 1998 funding				0	18	2	0	0
Deliveries from FY 1999 funding				0	0	22	8	0
Deliveries from subsequent years' funding				0	0	0	42	50
Other Gains				0	0	0	0	0
Combat Losses/Usage				0	0	0	0	0
Training Losses/Usage				0	0	0	0	0
Test Losses/Usage				0	0	0	0	0
Other Losses/Usage				0	0	0	0	0
Disposals/Retirements/Attritions/etc.				0	0	2	0	3
<b>End of Year Asset Position</b>				<b>9</b>	<b>30</b>	<b>52</b>	<b>102</b>	<b>149</b>
Inventory Objective or Current Authorized Allowance								

<table border="1"> <tr> <td>Aircraft:</td> <td>F/A-18E</td> <td>F/A-18F</td> </tr> <tr> <td>TOAI:</td> <td>2</td> <td>1</td> </tr> <tr> <td>PAA:</td> <td>2</td> <td>1</td> </tr> <tr> <td>TAI:</td> <td>2</td> <td>1</td> </tr> <tr> <td>Attrition Res:</td> <td>0</td> <td>0</td> </tr> <tr> <td>BAI:</td> <td>0</td> <td>0</td> </tr> <tr> <td>Inactive Inv:</td> <td>0</td> <td>0</td> </tr> <tr> <td>Storage:</td> <td>0</td> <td>0</td> </tr> </table>			Aircraft:	F/A-18E	F/A-18F	TOAI:	2	1	PAA:	2	1	TAI:	2	1	Attrition Res:	0	0	BAI:	0	0	Inactive Inv:	0	0	Storage:	0	0	Remarks: Asset Dynamics numbers reflect F/A-18E/F inventory (APN-1) procurements.
Aircraft:	F/A-18E	F/A-18F																									
TOAI:	2	1																									
PAA:	2	1																									
TAI:	2	1																									
Attrition Res:	0	0																									
BAI:	0	0																									
Inactive Inv:	0	0																									
Storage:	0	0																									
Note: These inventory numbers reflect FY96 quantities shown in the A-11 Budget Exhibit dated 24 May 1996. TOAI, PAA and TAI numbers reflect F/A-18E/F Test (E&MD) Aircraft.																											

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

										DATE:	February 1997
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement Navy BA-1						P-1 ITEM NOMENCLATURE F/A-18 E/F ADVANCE PROCUREMENT					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
<b>COST (in millions)</b>	<b>0.000</b>	<b>233.633</b>	<b>288.693</b>	<b>90.475</b>	<b>111.683</b>	<b>112.793</b>	<b>87.240</b>	<b>104.700</b>	<b>100.056</b>	<b>1,498.933</b>	<b>2,628.206</b>

**MISSION AND DESCRIPTION:** This line item funds long-lead requirements for the F/A-18 E/F production program. Airframe/CFE and engine requirements are calculated on a termination liability basis through October of the following fiscal year, reflecting contractor's funding requirements for procurement of long lead parts and material necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a full funding basis, procuring the long-lead quantity needed to protect the production schedule.

**BASIS FOR 98/99 BUDGET REQUEST:**  
Funding is requested in FY 1998 to cover long lead requirements for the procurement of 30 aircraft in FY 1999. The FY 1999 request is to cover long lead requirements for the procurement of 48 aircraft in FY 2000.

Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)								Date: <b>February 1997</b>						
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number: <b>Aircraft Procurement, Navy/APN-1, Fighter/Attack Aircraft</b>								P-1 Line Item Nomenclature: <b>F/A-18 E/F ADVANCE PROCUREMENT</b>						
Weapon System <b>F/A-18 E/F</b>				First System (BY1) Award Date: <b>Mar-98</b>				First System (BY1) Completion Date: <b>Jan-01</b>						

(\$ in Millions)

	PLT	When Rqd	Prior Years	FY95	FY96	FY97	FY98	FY99	FY00	FY01	FY02	FY03	To Complete	Total
End Item Qty						12	20	30	48	50	50	50	740	1000
CFE - T.L.	40				197.0	236.7	70.4	88.0	89.7	68.5	82.2	78.6	1176.6	2087.7
GFE - F414 Eng.- T.L.	30	24			35.0	48.8	19.1	22.7	21.7	17.5	21.1	20.2	303.6	509.7
GFE - Other	Var.	Var.			1.6	3.2	1.0	1.0	1.4	1.2	1.4	1.3	18.7	30.8
<b>Total AP</b>					233.6	288.7	90.5	111.7	112.8	87.2	104.7	100.1	1498.9	2628.2

**NARRATIVE DESCRIPTION**

This line item funds long-lead requirements for the F/A-18 E/F production program. Airframe /CFE and engine requirements are calculated on a termination liability basis through 31 October of the following fiscal year, reflecting the contractor's funding requirements for the procurement of long-lead parts and material necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully loaded basis, procuring the long-lead quantity needed to protect the production schedule.

If the advanced procurement funding is not approved, a nine month break in production would occur and cause a significant increase to the cost to the government.

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)						Date: <b>February 1997</b>			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Navy/APN-1, Fighter/Attack Aircraft</b>					Weapon System <b>F/A-18 E/F</b>		P-1 Line Item Nomenclature <b>F/A-18 E/F ADVANCE PROCUREMENT</b>		
(TOA, \$ in Millions)									
	PLT	QPA	Unit Cost	FY 98 QTY (FY 99 QTY)	FY98 Contract Forecast Date	FY98 Total Cost Request	FY99 QTY (FY00 QTY)	FY99 Contract Forecast Date	FY99 Total Cost Request
End Item		N/A				N/A			
CFE - T.L.	33		N.A.	T.L.	Mar-98	70.4	T.L.	Mar-99	88.0
GFE - Engine - T.L.	24		N.A.	T.L.	Mar-98	19.1	T.L.	Mar-99	22.7
GFE - Other	Var.	Var.	N.A.	Var.	Var.	1.0	Var.	Var.	1.0
<b>TOTAL AP</b>						90.5			111.7
<b>Total Advance Proc</b>									
<p>Description:</p> <p>This line item funds long-lead requirements for the F/A-18 E/F production program. Airframe /CFE and engine requirements are calculated on a termination liability basis through 31 October of the following fiscal year, reflecting the contractor's funding requirements for the procurement of long-lead parts and material necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully loaded basis, procuring the long-lead quantity needed to protect the production schedule.</p>									

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>										DATE:	
<b>P-40</b>										<b>FEBRUARY 1997</b>	
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE						
<b>Aircraft Procurement, Navy/ BA-1</b>					<b>V-22 OSPREY</b>						
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY			5	5	7	8	12	18	24	394	473
Net P-1 Cost (\$M)	231.400		607.903	472.007	621.007	665.165	877.022	1,180.647	1,445.653	22,213.858	28,314.662
Advance Proc (\$M)		47.145	125.078	69.659	55.128	74.315	99.192	121.631	115.816	2,374.479	3,082.443
Wpn Sys Cost (\$M)	231.400	47.145	732.981	541.666	676.135	739.480	976.214	1,302.278	1,561.469	24,588.337	31,397.105
Initial Spares (\$M)			56.488	28.806	36.335	84.407	95.877	83.433	21.952	2,542.877	2,950.175
Proc Cost (\$M)	231.400	47.145	789.469	570.472	712.470	823.887	1,072.091	1,385.711	1,583.421	27,131.214	34,347.280
Unit Cost (\$M)			157.894	114.094	101.781	102.986	89.341	76.984	65.976	68.861	72.616

Description:

The V-22 is a tilt-rotor, vertical takeoff and landing aircraft currently being developed for joint service application. The program is being designed to provide an aircraft to meet the amphibious/vertical assault needs of the Marine Corps, the strike rescue needs of the Navy, and supplement USSOCOM special mission aircraft. The aircraft will be capable of flying 2,100 miles with one refueling, giving the services the advantage of a V/STOL aircraft that could rapidly self-deploy to any location in the world.

The current procurement objective is 523: 425 MV-22 Marine Corps aircraft, 50 CV-22 aircraft for USSOCOM, and 48 HV-22 Navy aircraft. The program is planning for four limited rate production lots prior to a Milestone III decision in FY2001. IOC, defined as 12 aircraft in the training squadron at New River, NC, is anticipated in 2001. The APN appropriation funds the 425 MV-22 and 48 HV-22 aircraft for a total of 473.

Basis for Request:

FY1998 funds support the procurement of 5 aircraft in FY1998 and Advance Procurement for 7 aircraft in FY1999.

FY1999 funds support the procurement of 7 aircraft in FY1999 plus Advance Procurement for 8 aircraft in FY2000.

**AIRCRAFT COST ANALYSIS**Aircraft model: V-22Popular Name: OSPREYManufacturer: Bell-BoeingP-1 Cost Sheet /M.C - NAVY

	<b>FY 96</b>		<b>FY 97</b>		<b>FY 98</b>		<b>FY 99</b>	
	Qty 0 <u>Unit Cost</u>	<u>Total Cost</u>	Qty 5 <u>Unit Cost</u>	<u>Total Cost</u>	Qty 5 <u>Unit Cost</u>	<u>Total Cost</u>	Qty 7 <u>Unit Cost</u>	<u>Total Cost</u>
1 Airframe CFE			97,136.383	485,681.917	85,584.708	427,923.539	76,506.847	535,547.930
2 CFE Electronics								
3 GFE Electronics			13.845	69.223	14.412	72.062	14.717	103.020
4 Engines/Eng Acc			3,158.041	15,790.203	2,993.406	14,967.032	2,839.181	19,874.266
5 Armament								
6 Other GFE								
7 Rec Flyaway ECO			7,770.911	38,854.553	6,846.777	34,233.883	5,159.571	36,117.000
8 Rec Flyaway Cost			108,079.180	540,395.896	95,439.303	477,196.516	84,520.316	591,642.216
9 Non-Recur Cost			7,902.158	39,510.793	3,518.761	17,593.803	850.126	5,950.880
10 Ancillary Equip								
11								
12 Total Flyaway			115,981.338	579,906.689	98,958.064	494,790.319	85,370.442	597,593.096
13 Airframe PGSE				7,882.102		3,545.051		30,066.000
14 Engine PGSE				483.761		957.111		745.303
15 Avionics PGSE				1,289.829		1,125.018		4,558.873
16 Pec Trng Eq				38,393.087		2,323.000		4,095.890
17 Pub/Tech Eq						68,414.000		21,669.000
18 Other ILS				18,187.000		16,686.000		22,060.000
19 Prod Eng Supt				8,905.499		9,245.000		9,877.956
20								
21 Support Cost				75,141.278		102,295.180		93,073.022
22 Gross P-1 Cost				655,047.967		597,085.499		690,666.118
23 Adv Proc Credit				-47,145.000		-125,078.000		-69,659.000
24 Net P-1 Cost				607,902.967		472,007.499		621,007.118
25 Adv. Procurement				125,078.000		69,659.000		55,128.000
26 Weapon Sys Cost				732,980.967		541,666.499		676,135.118
27 Initial Spares				56,488.000		28,806.000		36,335.000
28 Procurement Cost				789,468.967		570,472.499		712,470.118

**P-1 SHOPPING LIST**ITEM NO.  
6PAGE NO.  
2

**AIRCRAFT COST ANALYSIS**Aircraft model: V-22**P-1 Cost Sheet / MC - NAVY**

	<b>FY 00</b>	<b>Qty 8</b>	<b>FY 01</b>	<b>Qty 12</b>	<b>FY 02</b>	<b>Qty 18</b>	<b>FY 03</b>	<b>Qty 24</b>
	<u>Unit Cost</u>	<u>Total Cost</u>	<u>Unit Cost</u>	<u>Total Cost</u>	<u>Unit Cost</u>	<u>Total Cost</u>	<u>Unit Cost</u>	<u>Total Cost</u>
1 Airframe CFE	70,009.342	560,074.734	61,379.952	736,559.418	55,574.676	1,000,344.174	50,973.830	1,223,371.927
2 CFE Electronics								
3 GFE Electronics	15.031	120.250	727.291	8,727.486	744.469	13,400.442	763.127	18,315.037
4 Engines/Eng Acc	2,871.712	22,973.699	2,896.679	34,760.144	2,864.800	51,566.392	2,858.860	68,612.638
5 Armament								
6 Other GFE			1.659	19.903	1.698	30.559	1.740	41.767
7 Rec Flyaway ECO	2,664.062	21,312.494	2,473.741	29,684.915	1,111.493	20,006.884	1,019.477	24,467.439
8 Rec Flyaway Cost	75,560.147	604,481.177	67,479.322	809,751.866	60,297.136	1,085,348.451	55,617.034	1,334,808.808
9 Non-Recur Cost	815.598	6,524.786	4,634.716	55,616.591	4,350.966	78,317.397	876.446	21,034.699
10 Ancillary Equip						7,185.095		10,215.373
11								
12 Total Flyaway	76,375.745	611,005.963	72,114.038	865,368.457	65,047.275	1,170,850.943	56,919.120	1,366,058.880
13 Airframe PGSE		22,635.093		15,114.169		9,440.544		69,612.149
14 Engine PGSE		4,291.078		1,349.252		672.463		12,651.867
15 Avionics PGSE		3,555.292		2,370.204		1,668.576		14,386.493
16 Pec Trng Eq		44,821.506		9,355.790		13,395.057		16,947.533
17 Pub/Tech Eq		6,236.658		10,929.470		22,333.218		15,242.335
18 Other ILS		19,610.911		30,959.915		43,519.639		51,427.393
19 Prod Eng Supt		8,136.852		15,890.000		17,958.100		20,957.450
20								
21 Support Cost		<b>109,287.390</b>		<b>85,968.800</b>		<b>108,987.597</b>		<b>201,225.220</b>
22 Gross P-1 Cost		<b>720,293.353</b>		<b>951,337.257</b>		<b>1,279,838.540</b>		<b>1,567,284.100</b>
23 Adv Proc Credit		-55,128.000		-74,315.000		-99,192.000		-121,631.000
24 Net P-1 Cost		<b>665,165.353</b>		<b>877,022.257</b>		<b>1,180,646.540</b>		<b>1,445,653.100</b>
25 Adv. Procurement		74,315.000		99,192.000		121,631.000		115,816.000
26 Weapon Sys Cost		739,480.353		976,214.257		1,302,277.540		1,561,469.100
27 Initial Spares		84,407.000		95,877.000		83,433.000		21,952.000
28 Procurement Cost		823,887.353		1,072,091.257		1,385,710.540		1,583,421.100

**P-1 Shopping List**  
**ITEM NO. PAGE NO.**  
**6 3**

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/BA-1				C. P-1 ITEM NOMENCLATURE V-22 OSPREY				SUBHEAD AP: U1CV REG: U1CW		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
AIRFRAME FY1996 Adv Procurement	Bell-Boeing Arlington, VA	SS AAC	NAVAIR	7Jun 96				Yes	No	
FY1997 Airframe	Bell-Boeing Arlington, VA	SS CPIF	NAVAIR	Apr 97	May 99	5	\$97.1M	Yes	No	
FY1997 Adv Procurement	Bell-Boeing Arlington, VA	SS AAC	NAVAIR	Apr 97				Yes	No	
FY1998 Airframe	Bell-Boeing Arlington, VA	SS CPIF	NAVAIR	Feb 98	Apr 00	5	\$ 85.6M	Yes	No	
FY1998 Adv Proc	Bell-Boeing Arlington, VA	SS AAC	NAVAIR	Feb 98				Yes	No	
FY1999 Airframe	Bell-Boeing Arlington, VA	SS CPIF	NAVAIR	Feb 99	Jan 01	7	\$76.5M	Yes	No	
FY1999 Adv Proce	Bell-Boeing Arlington, VA	SS AAC	NAVAIR	Feb 99				Yes	No	
D. REMARKS										
DD Form 2446-1, JUL 87		ITEM NO. 6		PAGE NO. 4		CLASSIFICATION: <b>UNCLASSIFIED</b>				

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/BA-1				C. P-1 ITEM NOMENCLATURE V-22 OSPREY				SUBHEAD AP: U1CV REG: U1CW		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>ENGINE</u>										
FY1996 Adv Procurement	Allison Engine Co Indianapolis, IN	SS AAC	NAVAIR	Oct 96				Yes	No	
FY1997 Engine	Allison Engine Co Indianapolis, IN	SS FPI	NAVAIR	Apr 97	Aug 98	10	\$1.6M	Yes	No	
FY1997 Adv Procurement	Allison Engine Co Indianapolis, IN	SS AAC	NAVAIR	Apr 97				Yes	No	
FY1998 Engine	Allison Engine Co Indianapolis, IN	SS FPI	NAVAIR	Feb 98	Aug 99	10	\$1.5M	Yes	No	
FY1998 Adv Procurement	Allison Engine Co Indianapolis, IN	SS AAC	NAVAIR	Feb 98				Yes	No	
FY1999 Engine	Allison Engine Co Indianapolis, IN	SS FPI	NAVAIR	Feb 99	Jun 00	14	\$1.4M	Yes	No	
FY1999 Adv Procurement	Allison Engine Co Indianapolis, IN	SS AAC	NAVAIR	Feb 99				Yes	No	
D. REMARKS										
DD Form 2446-1, JUL 87			ITEM NO. 6		PAGE NO. 5		CLASSIFICATION: <b>UNCLASSIFIED</b>			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: February 1997		
Appropriation/P-1 Line Item 1506/P-1 LI 6			Weapon System V-22 OSPREY		IOC Date FY 2001		Equipment Nomenclature Operational Flight Tra			PE 0206121M		
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
2F151	MCAS New River	Dec-00	FY01	28			1	37,480				
			ITEM NO. 6	PAGE NO. 6			EXHIBIT P-43					

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE FEBRUARY 1997				
TRAINING DEVICE BY TYPE <b>Operational Flight Trainer 2F151</b>						Weapon System <b>V-22 OSPREY</b>						
FINANCIAL PLAN	Prior Years		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	OFT		1	37,480					9	444,107	10	481,587
	CPT								3	30,005	3	30,005
Engineering Change Orders Non-Recurring GFE Other (Specify)	ENGINES								2	3,000	2	3,000
Total Hardware Costs				37,480						477,112		514,592
<b>SUPPORT COST</b>												
Special Support Equipment Integrated Logistics Support Other (Specify)/Training Requirements				200		506		1,217		255,620		257,543
Total Support Costs				200		506		1,217		255,620		257,543
Software/Courseware				713		1,817		2,879		23,013		28,422
<b>TOTAL COSTS</b>				<b>38,393</b>		<b>2,323</b>		<b>4,096</b>		<b>755,745</b>		<b>800,557</b>
		ITEM NO. 6	PAGE NO. 7		Exhibit P-43							









Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY				DATE:		
P-1 ITEM NOMENCLATURE		Admin Leadtime (after Oct1):				Prod Leadtime :		
<b>V-22 OSPREY</b>		<b>5 MONTHS</b>				<b>36 MONTHS</b>		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary		5	5	7	8	12	18	24
Unit Cost (Total Procurement Cost)		\$157.894	\$114.904	\$101.781	\$102.986	\$89.341	\$76.984	\$65.976
Total Cost		\$789,469	\$570,472	\$712,470	\$823,887	\$1,072,091	\$1,385,710	\$1,583,422
<b>Asset Dynamics</b>								
Beginning Asset Position				0	2	8	16	23
Deliveries from all prior year funding				0				
Deliveries from FY 1997 funding				2	3			
Deliveries from FY 1998 funding					3	2		
Deliveries from FY 1999 funding						6	1	
Deliveries from subsequent years' funding							6	11
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.								-2
<b>End of Year Asset Position</b>				2	8	16	23	32
Inventory Objective or Current Authorized Allowance								
Inventory Objective	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI:	MV-22 32		
473 *	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI:	32 32		
Assets Rqd For Combat Loads:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res:			
WRM Rqmt:	FY 1994:	FY 1994:	FY 1994:		BAI	2		
Pipeline: 1	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:			
Other:					Storage:			
TOTAL: 1								
Remarks:								
FY 1999 is the first V-22 aircraft delivery; therefore, Losses/Usage data is not applicable.								
* Includes MV-22 (425) and HV-22 (48). HV-22 planned procurement is 2010.								

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>February 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/BA-1</b>					P-1 ITEM NOMENCLATURE  V-22 Advance Procurement			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$47.145	\$125.078	\$69.659	\$55.128	\$74.315	\$99.192	\$121.631	\$115.816
<p>Description: This line item funds long-lead requirements for the V-22 production program. Airframe/CFE and Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis.</p> <p>Basis for Request: The FY1998 request is to cover long lead requirements for the procurement of 7 V-22 aircraft in FY1999. The FY1999 request is to cover long lead requirements for the procurement of 8 V-22 aircraft in FY2000.</p>								

Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)	Date: February 1997
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Appropriation (Treas) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Navy/APN-1, Tilt-Rotor Aircraft (BA-1)	P-1 Line Item Nomenclature V-22 Advance Procurement (P-1 LN 7)
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Weapon System  V-22 OSPREY	First System (BY1) Award Date FY1998 Advance Procurement for FY99 Production: Feb 99 FY1999 Regular Procurement: Feb 99	First System (BY1) Completion Date Jan 2001
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(\$ in Millions)

	BY1 PLT	When Rqd	Prior Years	PY-1	PY FY1996	CY FY1997	BY1 FY1998	BY2 FY1999	BY2 + 1 FY2000	BY2 + 2 FY2001	BY2 + 3 FY2002	BY2 + 4 FY2003	To Complete	Total
End Item Qty					5	5	7	8	12	18	24	24	370	473
CFE - Airframe	35				44.871	49.751	62.023	51.345	66.233	88.812	108.175	101.586	2,087.153	2,659.949
GFE - Engine	28				2.220	6.842	7.535	3.665	3.883	3.943	4.685	5.266	102.853	140.892
Congressional Add-On						68.414								68.414
EOQ														
Design														
Term Liab														
Other *					0.054	0.071	0.101	0.118	4.199	6.437	8.771	8.964	184.473	213.188
<b>Total AP</b>					47.145	125.078	69.659	55.128	74.315	99.192	121.631	115.816	2,374.479	3,082.443

Description:

This line item funds long-lead requirements for the V-22 production program. Airframe/CFE and Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis.

\* Specify other items for all pages of this exhibit.  
FY 1996-FY 1999 D-56/MX-11388/ALE-47

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)	Date: February 1997
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Navy/APN-1, Tilt-Rotor Aircraft (BA-1)	Weapon System V-22 OSPREY	P-1 Line Item Nomenclature V-22 Advance Procurement (P-1 LN 7)
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(TOA, \$ in Millions)

	BY1 PLT	QPA	Term Liab (TL)	BY1 QTY (BY2 qty) FY1998/99	BY1 Contract Forecast Date FY1998	BY1 Total Cost Request FY1998	BY2 QTY (BY2 + 1 qty) FY1999	BY2 Contract Forecast Date FY1999	BY2 Total Cost Request FY1999
End Item									
CFE - Airframe	35		TL	TL for 7	Feb 1998	62.0	TL for 8	Feb 1999	51.3
GFE - Engine	28	2	TL	TL for 14	Feb 1998	7.6	TL for 16	Feb 1999	3.7
GFE									
GFE									
EOQ									
Design									
Termination Liability									
Other									
Other									
Other									
Other						0.1			0.1
<b>Total Advance Proc</b>						69.7			55.1

Description:  
Advance Procurement requirements are calculated on a termination liability basis considering dollars required to procure long lead parts and material necessary to build component systems for the V-22 aircraft. Administrative, production, and Bell-Boeing installation lead time requires the use of Advance procurement to meet aircraft delivery schedule. GFE ALE-47 is fully funded.

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: <b>FEBRUARY 1997</b>	
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>						P-1 ITEM NOMENCLATURE <b>AH-1W SEA COBRA</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	252	6	0	0	0	0	0	0	0	0	258
Net P-1 Cost (\$M)	1306.86	73.078	0	0	0	3.793	3.315	0	0	0	1387.05
Advance Proc (\$M)	48.949	0	0	0	0	0	0	0	0	0	48.949
Wpn Sys Cost (\$M)	1355.81	73.078	0	0	0	3.793	3.315	0	0	0	1436
Initial Spares (\$M)	90.601	0	0	0	0	0	0	0	0	0	90.601
Proc Cost (\$M)	1446.41	73.078	0	0	0	3.793	3.315	0	0	0	1526.6
Unit Cost (\$M)	5.74	12.18	0	0	0	0	0	0	0	0	5.92
<p>MISSION: THE AH-1W IS A HELICOPTER GUNSHIP WHOSE MISSION IS THE ENROUTE ESCORT AND PROTECTION OF TROOP ASSAULT HELICOPTERS, LANDING ZONE PREPARATION IMMEDIATELY PRIOR TO THE ARRIVAL OF ASSAULT HELICOPTERS, LANDING ZONE FIRE SUPPRESSION DURING THE ASSAULT PHASE, AND FIRE SUPPORT DURING GROUND ESCORT OPERATIONS. THE AH-1W HAS ADDITIONALLY BEEN TASKED WITH THE MISSION OF ENEMY ARMOR DESTRUCTION, WHICH REQUIRES OPERATIONS BOTH AT SEA LEVEL AND IN HIGH/HOT ENVIRONMENTS. THIS MISSION HAS REQUIRED THE INCORPORATION OF THE HELLFIRE MISSILE SYSTEM PLUS THE INCORPORATION OF THE IMPROVED T700-GE-401 ENGINES.</p> <p>DESCRIPTION: THE AH-1W IS A TANDEM SEAT, TWO PLACE (PILOT AND GUNNER/CO-PILOT) ATTACK HELICOPTER DESIGNED AND BUILT TO PROVIDE THE HIGH SPEED AND MANEUVERABILITY REQUIRED BY THE ATTACK MISSION. THE AIRCRAFT IS 58 FEET IN OVERALL LENGTH WITH A ROTOR DIAMETER OF 48 FEET. MAXIMUM TAKEOFF WEIGHT IS 14,750 POUNDS. THE ARMAMENT OF THE AH-1W INCLUDES THE SIDEWINDER, TOW AND THE HELLFIRE MISSILE SYSTEMS, A CHIN-MOUNTED 20 MM TURRET GUN, AND WIDE VARIETY OF FORWARD FIRING AND DROPABLE EXTERNAL STORES. NIGHT TARGETING SYSTEM (NTS) PROVIDES A NIGHT/ADVERSE WEATHER TOW AND AUTONOMOUS HELLFIRE CAPABILITY. NTS WILL ALSO PROVIDE ENHANCED CONVENTIONAL WEAPONS DELIVERY BY UTILIZING THE SYSTEMS LASER RANGING SYSTEM.</p> <p>BASIS FOR REQUEST: NO FUNDS ARE REQUESTED IN FY 1998/FY 1999. FUNDING WILL BE REQUIRED IN FY 2000 TO FINANCE NON-RECURRING EFFORTS ASSOCIATED WITH PRODUCTION SHUTDOWN.</p>											

Date: FEBRUARY 1997

**AIRCRAFT COST ANALYSIS**

Aircraft model: AH-1W

Popular Name: SEA COBRA

Manufacturer: BELL

P-1 Cost Sheet /

	FY 96		FY 97		FY 98		FY 99	
	Unit Cost	Qty 6 Total Cost	Unit Cost	Qty 0 Total Cost	Unit Cost	Qty 0 Total Cost	Unit Cost	Qty 0 Total Cost
1 Airframe CFE	6,854,249	41,125,494	0	0	0	0	0	0
2 Engines/Eng Acc	1,160,000	6,960,000	0	0	0	0	0	0
3 CFE Electronics	0	0	0	0	0	0	0	0
4 GFE Electronics	508,411	3,050,466	0	0	0	0	0	0
5 Armament	2,008,140	12,048,840	0	0	0	0	0	0
6 Other GFE	64,862	389,172	0	0	0	0	0	0
7 Rec Flyaway ECO	137,085	822,510	0	0	0	0	0	0
8 Rec Flyaway Cost	10,732,747	64,396,482	0	0	0	0	0	0
9 Non-Recur Cost	0	437,518	0	0	0	0	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	10,732,747	64,834,000	0	0	0	0	0	0
13 Airframe PGSE		2,564,000		0		0		0
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		0		0		0		0
16 Pec Trng Eq		0		0		0		0
17 Pub/Tech Eq		2,500,000		0		0		0
18 WSSA		0		0		0		0
19 Prod Eng Supt		930,000		0		0		0
20 ILS		2,250,000		0		0		0
21 Support Cost		8,244,000		0		0		0
22 Gross P-1 Cost		73,078,000		0		0		0
23 Adv Proc Credit		0		0		0		0
24 Net P-1 Cost		73,078,000		0		0		0
25 Adv Proc		0		0		0		0
26 Weapon Sys Cost		73,078,000		0		0		0
27 Init Spares		0		0		0		0
28 Proc Cost		73,078,000		0		0		0

Date: FEBRUARY 1997

**AIRCRAFT COST ANALYSIS**

Aircraft model: AH-1W

P-1 Cost Sheet /

	FY 00		FY 01		FY 02		FY 03	
	Unit Cost	Qty 0 Total Cost						
1 Airframe CFE	0	0	0	0	0	0	0	0
2 CFE Electronics	0	0	0	0	0	0	0	0
3 GFE Electronics	0	0	0	0	0	0	0	0
4 Engines/Eng Acc	0	0	0	0	0	0	0	0
5 Armament	0	0	0	0	0	0	0	0
6 Other GFE	0	0	0	0	0	0	0	0
7 Rec Flyaway ECO	0	0	0	0	0	0	0	0
8 Rec Flyaway Cost	0	0	0	0	0	0	0	0
9 Non-Recur Cost	0	3,793,000	0	3,315,000	0	0	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	0	3,793,000	0	3,315,000	0	0	0	0
13 Airframe PGSE		0		0		0		0
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		0		0		0		0
16 Pec Trng Eq		0		0		0		0
17 Pub/Tech Eq		0		0		0		0
18 Fac Mgmt/Fld Act		0		0		0		0
19 ILS/Rel Dem		0		0		0		0
20 Support Cost		0		0		0		0
21 Support Cost		0		0		0		0
22 Gross P-1 Cost		3,793,000		3,315,000		0		0
23 Adv Proc Credit		0		0		0		0
24 Net P-1 Cost		3,793,000		3,315,000		0		0
25 Adv Proc		0		0		0		0
26 Weapon Sys Cost		3,793,000		3,315,000		0		0
27 Init Spares		0		0		0		0
28 Proc Cost		3,793,000		3,315,000		0		0

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>				C. P-1 ITEM NOMENCLATURE <b>AH-1W SEA COBRA</b>				SUBHEAD <b>U1AV</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b><u>AIRFRAME</u></b>										
FY-96 REGULAR	BELL HELICOPTER FT WORTH, TX	SS/FFP	NAVAIR	JUL 96	MAR 98	6	6.854	YES	NO	
D. REMARKS										

FEBRUARY 1997

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Aircraft Procurement, Navy				AH-1W SEA COBRA				U1AV		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>ENGINE</b>										
FY-96 REGULAR	GENERAL ELECTRIC LYNN, MA	FFP	NAVAIR	AUG 96	OCT 97	12	0.58	YES	NO	
D. REMARKS										

FY 98/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													DATE																
					AH-1W SUPER COBRA													FEBRUARY 1997																
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1997												FISCAL YEAR 1998												L A T E R					
					CALENDAR YEAR 1997												CALENDAR YEAR 1998																	
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P						
<b>AH-1W BELL HELICOPTER</b>																																		
FY 95	N	12	0	12	1	2	1	1	1	2	2																	0						
FY 96	N	6	0	6																								0						
FY 97	N	0	0	0																														
<b>NGRE</b>																																		
FY 95	NR	5	0	5																								0						
<b>FMS TAIWAN</b>																																		
FY 95	FMS	8	0	8																								0						
<b>TOTAL</b>					<b>0</b>	<b>31</b>	<b>0</b>	<b>31</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>						
					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						
MANUFACTURER'S NAME AND LOCATION		PRODUCTION RATES		REORDER D +	PROCUREMENT LEAD TIME												REMARKS																	
		UM SUST.	1-8-5 MAXIMUM		ADMIN LEAD TIME				MANU- FACTURING TIME				TOTAL AFTER 1 OCT																					
Bell Helicopter Textron Fort Worth, TX		12	48	48					15				5				20																	
					INITIAL																													
					REORDER (Previous Source)				15				5				20				25													

DD Form 2445, JUL 87

Previous editions are obsolete

P-1 SHOPPING LIST

Exhibit P-21 Production Schedule



**CLASSIFICATION:**

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy					DATE: <b>FEB 1997</b>	
P-1 ITEM NOMENCLATURE <b>AH-1W SEA COBRA</b>		Admin Leadtime (after Oct1): <b>5</b>			Prod Leadtime : <b>19</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	<b>6</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Unit Cost	<b>10.7</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Total Cost	<b>\$72.6</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>	<b>\$0.0</b>
<b>Asset Dynamics</b>								
Beginning Asset Position	166	180	188	199	197	195	193	191
Deliveries from all prior year funding	16	10	13					
Deliveries from FY 1997 funding								
Deliveries from FY 1998 funding								
Deliveries from FY 1999 funding								
Deliveries from subsequent years' funding								
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.	-2	-2	-2	-2	-2	-2	-2	-2
<b>End of Year Asset Position</b>	180	188	199	197	195	193	191	189
Inventory Objective or Current Authorized Allowance	169	169	167	167	167	167	167	167
Aircraft: AH-1W Sea Cobra								
TOAI: 189								
PAA: 169								
TAI: 189								
Attrition Res: 0								
BAI: 20								
Inactive Inv: 0								
Storage: 0								

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy BA-1</b>						P-1 ITEM NOMENCLATURE <b>SH-60B</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	181	0	0	0	0	0	0	0	0	0	181
Net P-1 Cost (\$M)	3,252.324	16.346	6.178	0	0	0	0	0	0	0	3,274.848
Advance Proc (\$M)	666.817	0	0	0	0	0	0	0	0	0	666.817
Wpn Sys Cost (\$M)	3,919.141	16.346	6.178	0	0	0	0	0	0	0	3,941.665
Initial Spares (\$M)	380.763	0	0	0	0	0	0	0	0	0	380.763
Proc Cost (\$M)	4,299.904	16.346	6.178	0	0	0	0	0	0	0	4,322.428
Unit Cost (\$M)	23.756	0	0	0	0	0	0	0	0	0	23.881

**MISSION/DESCRIPTION:**  
The SH-60B is a computer integrated ship/helicopter combat system that greatly enhances the effectiveness of surface combatant warships. The system combines the speed, endurance and flexibility of the helicopter with the staying power of the warship. The primary missions are Anti-Submarine Warfare and Anti-Surface Warfare, while the secondary missions include: Search and Rescue, Medical Evacuation, Vertical Replenishment and Communications Relay.

**BASIS FOR REQUEST:**  
No funds are requested in FY 1998 or FY 1999.

Date: FEBRUARY 1997

**AIRCRAFT COST ANALYSIS**

Aircraft model: SH-60B

Popular Name: SEAHAWK

Manufacturer: SIKORSKY/LOCKHEED

		FY 96		FY 97		FY 98		FY 99	
		Unit Cost	Qty 0 Total Cost						
1	Airframe CFE	0	0	0	0	0	0	0	0
2	CFE Electronics	0	0	0	0	0	0	0	0
3	GFE Electronics	0	0	0	0	0	0	0	0
4	Engines/Eng Acc	0	0	0	0	0	0	0	0
5	Armament	0	0	0	0	0	0	0	0
6	Other GFE	0	0	0	0	0	0	0	0
7	Rec Flyaway ECO	0	0	0	0	0	0	0	0
8	Rec Flyaway Cost	0	0	0	0	0	0	0	0
9	Non-Recur Cost	0	2,752,000	0	0	0	0	0	0
10	Ancillary Equip	0	0	0	0	0	0	0	0
11									
12	Total Flyaway	0	2,752,000	0	0	0	0	0	0
13	Airframe PGSE		1,345,871		0		0		0
14	Engine PGSE		94,000		0		0		0
15	Avionics PGSE		47,000		0		0		0
16	Pec Trng Eq		832,000		0		0		0
17	Pub/Tech Eq		2,005,000		172,000		0		0
18	Fac Mgmt/Fld Act		9,133,000		6,006,000		0		0
19	ILS/Rel Dem		137,129		0		0		0
20	Production Support Cost		0		0		0		0
21	Support Cost		13,594,000		6,178,000		0		0
22	Gross P-1 Cost		16,346,000		6,178,000		0		0
23	Adv Proc Credit		0		0		0		0
24	Net P-1 Cost		16,346,000		6,178,000		0		0
25	Adv Proc CY		0		0		0		0
26	Weapon System Cost		16,346,000		6,178,000		0		0
27	Initial Spares		0		0		0		0
28	Procurement Cost		16,346,000		6,178,000		0		0

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										FEB 97	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
Aircraft Procurement, Navy						E-2C					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	4	3	4	3	4	4	4	4	4	2	36
Net P-1 Cost (\$M)	240.981	167.061	276.472	236.474	285.355	251.215	265.022	282.655	301.195	340.197	2,646.627
Advance Proc (\$M)	79.157	44.751	20.535	19.481	23.600	21.776	22.309	22.924	17.503	0.000	272.036
Wpn Sys Cost (\$M)	320.138	211.812	297.007	255.955	308.955	272.991	287.331	305.579	318.698	340.197	2,918.663
Initial Spares (\$M)	2.128	1.037	2.007	6.228	17.719	8.192	1.173	5.702	5.828	12.380	62.394
Proc Cost (\$M)	322.266	212.849	299.014	262.183	326.674	281.183	288.504	311.281	324.526	352.577	2,981.057
Unit Cost (\$M)	80.567	70.950	74.754	87.394	81.669	70.296	72.126	77.820	81.132	176.289	82.807

Description:

The E-2C is an all weather, carrier-based, airborne early warning and command and control aircraft. It extends task force defense perimeters by providing early warning of approaching enemy units and by vectoring interceptors into attack position. Additionally, the HAWKEYE provides strike control, radar surveillance, search and rescue assistance, communications relay and automatic tactical data exchange.

Previously the Navy had planned to upgrade older Group O E-2Cs to the Group II configuration in lieu of continued production. Economic analyses, however, shows that it is more cost effective to procure new aircraft than to upgrade old aircraft.

Basis for Request:

In FY 1998 funds are requested for the procurement of three (3) E-2C aircraft, and in FY 1999 funds are also needed for four (4) aircraft.

FY 1997 funds four (4) aircraft.

# FY98/99 CONGRESSIONAL BUDGET

Exhibit P-5

## AIRCRAFT COST ANALYSIS

Aircraft model: E-2C
Popular Name: HAWKEYE
Date: Feb 97

Manufacturer: GRUMMAN

### P-1 Cost Sheet

	FY 96		FY 97		FY 98		FY 99	
	Unit Cost	Total Cost						
1 Airframe CFE	34,819,999	104,459,996	39,674,895	158,699,578	41,467,585	124,402,755	39,486,393	157,945,570
2 CFE Electronics	21,341,289	64,023,868	24,316,871	97,267,483	25,415,616	76,246,849	24,201,337	96,805,348
3 GFE Electronics	1,879,302	5,637,906	2,092,938	8,371,753	2,279,305	6,837,915	2,327,499	9,309,996
4 Engines/Eng Acc	5,464,458	16,393,374	7,095,050	28,380,200	6,184,947	18,554,841	6,361,511	25,446,044
5 Armament	0	0	0	0	0	0	0	0
6 Other GFE	165,300	495,900	185,747	742,986	277,388	832,164	283,253	1,133,012
Sub Total GFE	7,509,060	22,527,180	9,373,735	37,494,939	8,741,640	26,224,920	8,972,263	35,889,052
7 Rec Flyaway ECO	0	0	0	0	0	0	0	0
8 Rec Flyaway Cost	63,670,348	191,011,044	73,365,500	293,462,000	75,624,841	226,874,524	72,659,993	290,369,970
9 Non-Recur Cost	0	0	0	1,500,000	0	10,912,422	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	63,670,348	191,011,044	73,740,500	294,962,000	79,262,315	237,786,946	72,659,993	290,639,970
13 Airframe PGSE		1,376,122		4,308,000		1,823,378		1,863,492
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		405,000		409,050		417,640		773,470
16 Pec Trng Eq		2,512,000		1,114,000		2,020,248		1,131,821
17 Pub/Tech Eq		1,581,185		2,500,000		2,086,783		1,171,499
18 prod support		11,551,649		17,929,950		12,874,005		9,255,748
19		0		0		0		0
20		0		0		0		0
21 Support Eco		0		0		0		0
22 Suport Cost		17,425,956		26,261,000		19,222,054		14,196,030
23 Gross P-1 Cost		208,437,000		321,223,000		257,009,000		304,836,000
24 Adv Proc Credit		-41,376,000		-44,751,000		-20,535,000		-19,481,000
25 Net P-1 Cost		167,061,000		276,472,000		236,474,000		285,355,000
26 Adv Procurement		44,751,000		20,535,000		19,481,000		23,600,000
26 Weapon Sys Cost		211,812,000		297,007,000		255,955,000		308,955,000
28 Initial Spares		1,037,000		2,007,000		6,228,000		17,719,000
29 Procurement		212,849,000		299,014,000		262,183,000		326,674,000

# FY98/99 CONGRESSIONAL BUDGET

Exhibit P-5

## AIRCRAFT COST ANALYSIS

Aircraft model: E-2C

Popular Name: HAWKEYE

Date: Feb 97  
Manufacturer: GRUMMAN

### P-1 Cost Sheet

	FY 00	Qty 4		FY 01	Qty 4		FY 02	Qty 4		FY 03	Qty 4	
		Unit Cost	Total Cost		Unit Cost	Total Cost		Unit Cost	Total Cost		Unit Cost	Total Cost
1	Airframe CFE	31,491,566	125,966,262	36,151,578	144,606,311	36,888,457	147,553,826	37,700,198	150,800,794			
2	CFE Electronics	22,797,351	91,189,402	24,018,716	96,074,864	24,616,822	98,467,289	25,268,714	101,074,855			
3	GFE Electronics	2,377,173	9,508,692	2,429,359	9,717,436	2,486,741	9,946,964	2,549,061	10,196,244			
4	Engines/Eng Acc	6,428,526	25,714,104	6,569,607	26,278,428	6,724,781	26,899,124	6,893,311	27,573,244			
5	Armament	0	0	0	0	0	0	0	0			
6	Other GFE	289,298	1,157,192	295,647	1,182,588	302,631	1,210,524	310,215	1,240,860			
	Sub Total GFE	9,094,997	36,379,988	9,294,613	37,178,452	9,514,153	38,056,612	9,752,587	39,010,348			
7	Rec Flyaway ECO	0	0	0	0	0	0	0	0			
8	Rec Flyaway Cost	63,383,913	253,535,652	69,464,907	277,859,627	71,019,432	284,077,728	72,721,499	290,885,997			
9	Non-Recur Cost	0	0	0	0	0	0	0	0			
10	Ancillary Equip	0	0	0	0	0	0	0	0			
11												
12	Total Flyaway	63,383,913	253,535,652	69,464,907	277,859,627	71,019,432	284,077,728	72,721,499	290,885,997			
13	Airframe PGSE		1,657,745		0		2,657,640		5,014,650			
14	Engine PGSE		0		0		0		0			
15	Avionics PGSE		542,755		593,803		1,888,408		3,619,131			
16	Pec Trng Eq		1,303,138		1,347,971		2,227,676		2,278,513			
17	Pub/Tech Eq		1,345,310		1,389,461		2,278,904		2,330,912			
18	Prod Support		16,430,400		5,607,138		11,833,644		19,989,797			
19			0		0		0		0			
20			0		0		0		0			
21	Support Eco		0		0		0		0			
22	Support Cost		21,279,348		8,938,373		20,886,272		33,233,003			
23	Gross P-1 Cost		274,815,000		286,798,000		304,964,000		324,119,000			
24	Adv Proc Credit		-23,600,000		-21,776,000		-22,309,000		-22,924,000			
25	Net P-1 Cost		251,215,000		265,022,000		282,655,000		301,195,000			
26	Adv Procurement		21,776,000		22,309,000		22,924,000		17,503,000			
27	Weapon Sys Cost		272,991,000		287,331,000		305,579,000		318,698,000			
28	Initial Spares		8,192,000		1,173,000		5,702,000		5,828,000			
29	Procurement Cost		281,183,000		288,504,000		311,281,000		324,526,000			

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE: Feb 97	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>				C. P-1 ITEM NOMENCLATURE <b>E-2C</b>				SUBHEAD <b>Y1A1</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (UUU)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>Airframe</u>										
1996 Regular	Grumman Bethpage, New York	SS FFP	NAVAIR	Mar 96	May 98	3	56,161.3	Yes	No	
Advance (FY 96 for FY 97)		AAC		Apr 96			T/L			
1997 Regular	Grumman Bethpage, New York	SS FFP	NAVAIR	Feb 97	Feb 99	4	63,991.8	Yes	No	
Advance (FY 97 for FY 98)		AAC		Dec 96			T/L			
1998 Regular	Grumman Bethpage, New York	SS FFP	NAVAIR	May 98	Feb 00	3	66,883.2	Yes	No	
Advance (FY 98 for FY 99)		AAC		Dec 97			T/L			
1999 Regular	Grumman Bethpage, New York	SSFFP	NAVAIR	May 99	Feb 01	4	63,687.7	No	Yes	1/99
Advance (FY 99 for FY 00)		AAC		Dec 98			T/L			
D. REMARKS										

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD			
Aircraft Procurement, Navy				E-2C T56-A-427 Engine				Y1A1			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
<u>Engines</u>											
1996 Regular	Allison Indianapolis, IN	SS FFP	NAVAIR	Aug 96	Oct 97	6*	2,518.0	Yes	No		
Advance (FY 96 for FY 97)		AAC		Aug 96			T/L				
1997 Regular	Allison Indianapolis, IN	SS FFP	NAVAIR	May 97	Jul 98	8*	2,592.5	Yes	No		
Advance (FY 97 for FY 98)		AAC		Jan 97			T/L				
1998 Regular	Allison Indianapolis, IN	SS FFP	NAVAIR	May 98	Jul 99	6*	2,669.4	Yes	No		
Advance (FY 98 for FY 99)		AAC		Jan 98			T/L				
1999 Regular	Allison Indianapolis, IN	SSFFP	NAVAIR	May 99	Jul 00	8*	2,748.8	Yes	No		
Advance (FY 99 for FY 00)		AAC		Jan 99			T/L				
D. REMARKS											
* Quantity is two (2) per aircraft.											









CLASSIFICATION:

**UNCLASSIFIED**

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT, NAVY					DATE: February 1997	
P-1 ITEM NOMENCLATURE E-2C HAWKEYE		Admin Leadtime (after Oct1): 2 MONTHS			Prod Leadtime : 34 MONTHS			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	3	4	3	4	4	4	4	4
Unit Cost	70.95	74.75	87.39	81.67	70.30	72.13	77.82	81.13
Total Cost	212.85	299.01	262.18	326.67	281.18	288.50	311.28	324.53
<b>Asset Dynamics</b>								
Beginning Asset Position		0	3	6	9	12	16	19
Deliveries from all prior year funding		3	3	1				
Deliveries from FY 1997 funding				3	1			
Deliveries from FY 1998 funding					2	1		
Deliveries from FY 1999 funding						3	1	
Deliveries from subsequent years' funding							3	4
Other Gains								
Combat Losses/Usage								
Training Losses/Usage								
Test Losses/Usage								
Other Losses/Usage								
Disposals/Retirements/Attritions/etc.				1			1	
<b>End of Year Asset Position</b>		3	6	9	12	16	19	23
Inventory Objective or Current Authorized Allowance								
Inventory Objective	Actual Training Expenditures	Other than Training Usage	Disposals (Vehicles/Other)	Vehicles Eligible for FY 1998 Replacement:	Aircraft: TOAI: 23			
Assets Rqd For Combat Loads:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	FY 1996 thru XXXXX:	Vehicles Eligible for FY 1999 Replacement:	PAA: TAI 23			
WRM Rqmt:	FY 1995:	FY 1995:	FY 1995:	Vehicle Augment:	Attrition Res: 2			
Pipeline:	FY 1994:	FY 1994:	FY 1994:		BAI			
Other:	FY 1993:	FY 1993:	FY 1993:		Inactive Inv:			
TOTAL:								Storage:
Remarks:								

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b> <b>P-40</b>	DATE: <b>FEB 97</b>
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<b>APPROPRIATION/BUDGET ACTIVITY</b> <b>Aircraft Procurement, Navy/APN-1, Combat Aircraft</b>	<b>P-1 ITEM NOMENCLATURE</b> <b>E-2C Advance Procurement</b>
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	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
<b>QUANTITY</b>											
<b>Advance Proc (\$M)</b>	79.157	44.751	20.535	19.481	23.600	21.776	22.309	22.924	17.503	0.000	272.036

Description: This line item funds long-lead requirements for the E-2C production program. Airframe/CFE and Engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long-lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis, procuring the long-lead quantity needed to protect the production schedule.

Basis for Request: The FY 1998/1999 request is to cover long-lead requirements for the procurement of four (4) E-2C aircraft in FY 1999 and for four (4) aircraft in FY 2000.

DD Form 2454, JUN 86	P-1 SHOPPING LIST	CLASSIFICATION:	
	ITEM NO.	AGE NO.	
	11	1	<b>UNCLASSIFIED</b>

Exhibit P-10, Advance Procurement Requirements Analysis (Page 1 - Funding)							Date: Feb 1997							
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 1506/-/BA1/-/NA							P-1 Line Item Nomenclature E-2C HAWKEYE							
Weapon System E-2C HAWKEYE				First System (BY1) Award Date Dec - 96				First System (BY1) Completion Date Jan-99						
(\$ in Millions)														
	PLT	When Rqd	Prior Years	PY-1	PY	CY	BY1	BY2	BY2+1	BY2+2	BY2+3	BY2+4	To Complet	Total
E-2C	34		4	3	4	3	4	4	4	4	4	2	0	36
<b>CFE/AIRFRAME</b>														
RADAR	24	10	2.7	2.7	2.8	2.9	3.0	3.0	3.1	3.1	3.2	3.3	0	29.8
PDS	24	10	1.6	1.6	1.7	1.7	1.8	1.8	1.9	1.9	1.9	2.0	0	17.9
ROTODOME	24	10	1.0	1.0	1.0	1.0	1.1	1.1	1.1	1.1	1.1	1.2	0	10.7
EMDU	24	10	0.6	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0	6.5
IFF	24	10	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0	5.0
OTHER CFE	24	10	16.5	19.6	31.0	6.1	4.1	4.2	4.2	4.2	4.2	3.1	0	97.2
<b>GFE</b>														
ENGINE	24	10	3.2	3.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	0	30.6
JTIDS	24	10	1.4	1.5	2.7	1.1	2.2	2.3	2.2	2.3	2.3	2.4	0	20.4
SATCOM	24	10	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	0	8.6
OTHER GFE	24	10	10.3	10.5	1.5	2.4	2.0	5.8	3.9	4.3	4.7	0.0	0	45.4
<b>TOTAL</b>			<b>37.8</b>	<b>41.4</b>	<b>44.8</b>	<b>20.5</b>	<b>19.5</b>	<b>23.6</b>	<b>21.8</b>	<b>22.3</b>	<b>22.9</b>	<b>17.5</b>	<b>0.0</b>	<b>272.1</b>
Description:														

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)							Date: Feb 1997		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 1506/-/BA1/-/NA				Weapon System E-2C HAWKEYE		P-1 Line Item Nomenclature E-2C HAWKEYE			
(TOA, \$ in Millions)									
	PLT	QPA	Unit Cost	BY1 QTY	Contract	Cost	BY2 QTY	Contract	Cost
End Item	34	N/A		FY99-4	Dec-96	N/A	FY00-4	Dec-97	N/A
<b>CFE</b>									
RADAR	24	1	5.7	3	Jan-97	3.0	4.0	Jan-98	3.0
PDS	24	1	3.4	3	Jan-97	1.8	4.0	Jan-98	1.8
ROTDOME	24	1	2.0	3	Jan-97	1.1	4.0	Jan-98	1.1
EMDU	24	3	3.6	9	Jan-97	0.6	12.0	Jan-98	0.7
IFF	24	1	0.9	3	Jan-97	0.5	4.0	Jan-98	0.5
OTHER/CFE	24	LOT	-	-	Jan-97	4.1	LOT	Jan-98	4.2
<b>GFE</b>									
ENGINE	24	2	5.4	6	Feb-97	3.0	8.0	Jan-98	3.0
JTIDS	24	1	1.1	3	Feb-97	2.2	4.0	Jan-98	2.3
SATCOM	24	1	0.4	3	Feb-97	1.2	4.0	Jan-98	1.2
OTHER GFE	24	LOT	-	LOT	Feb-97	2.0	LOT	Jan-98	5.8
<b>Total Advance Proc</b>						19.5			23.6
Description:									

CLASSIFICATION:

**UNCLASSIFIED**

<b>BUDGET ITEM JUSTIFICATION SHEET</b>										DATE:	
<b>P-40</b>										<b>FEBRUARY 1997</b>	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
<b>Aircraft Procurement, Navy</b>						<b>CH-60 Helo</b>					
<b>BA 2</b>											
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	0	0	0	0	6	18	18	18	18	56	134
Net P-1 Cost (\$M)	0	0	0	0.000	163.417	317.537	335.216	326.483	322.210	1,074.441	2,539.304
Advance Proc (\$M)	0	0	0	31.837	0.000	0.000	0.000	0.000	0.000	0.000	31.837
Wpn Sys Cost (\$M)	0	0	0	31.837	163.417	317.537	335.216	326.483	322.210	1,074.441	2,571.141
Initial Spares (\$M)	0	0	0	0.000	5.150	6.039	4.324	3.801	13.921	44.153	77.388
Proc Cost (\$M)	0	0	0	31.837	168.567	323.576	339.540	330.284	336.131	1,118.594	2,648.529
Unit Cost (\$M)	0	0	0	0.000	28.095	17.976	18.863	18.349	18.674	19.975	19.765
<p>MISSION AND DESCRIPTION: The helicopter combat support (HC) mission is to maintain forward deployed fleet sustainability through rapid airborne delivery, materials and personnel and to support amphibious operations through search and rescue coverage. The primary roles of the aircraft are to conduct vertical replenishment (VERTREP) day/night ship-to-ship, ship-to-shore, and shore-to-ship external transfer of cargo; internal transport of passengers, mail and cargo, vertical onboard delivery (VOD); airhead operations; and day/night search and rescue (SAR). The aircraft secondary roles include torpedo and drone recovery, noncombatant evacuation operations (NCO), SEAL and UDT support.</p> <p>BASIS FOR REQUEST: FY 98 advance procurement funds are requested for long lead non-recurring engineering efforts. FY 99 funds are requested for procurement of six CH-60 aircraft.</p>											

AIRCRAFT COST ANALYSIS

Date: Feb-97

Aircraft model: CH-60

Popular Name: \_\_\_\_\_

Manufacturer: Sikorsky

Aircraft model: \_\_\_\_\_

P-5 Cost Sheet

	FY 96		FY 97		FY 98		FY 99		FY 00
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost
1 Airframe CFE	0	0	0	0	0	0	14,359,300	86,155,800	11,834,822
2 Engines/Eng Acc	0	0	0	0	0	0	1,431,440	8,588,640	1,462,931
3 CFE Mission Elect	0	0	0	0	0	0	0	0	0
4 GFE Electronics	0	0	0	0	0	0	395,300	2,371,800	403,997
5 Armament	0	0	0	0	0	0	0	0	0
6 Other GFE	0	0	0	0	0	0	472,553	2,835,318	482,950
GFE Subtotal	0	0	0	0	0	0	2,299,293	13,795,758	2,349,878
7 Rec Flyaway ECO	0	0	0	0	0	0	287,186	1,723,116	236,696
8 Rec Flyaway Cost	0	0	0	0	0	0	16,945,779	101,674,674	14,421,396
9 Non-Recur Cost	0	0	0	0	0	0	6,972,833	41,836,998	0
10 Ancillary Equip	0	0	0	0	0	0	2,722,141	16,332,846	1,854,685
11									
12 Total Flyaway	0	0	0	0	0	0	26,640,753	159,844,518	16,276,081
13 Airframe PGSE		0		0		0		1,400,000	
14 Engine PGSE		0		0		0		475,000	
15 Avionics PGSE		0		0		0		2,300,000	
16 Pec Trng Eq		0		0		0		13,110,000	
17 Pub/Tech Eq		0		0		0		6,201,952	
18 Weap Sys		0		0		0		200,000	
19 Fld Activities		0		0		0		9,722,544	
20 ILS/LSA/MES		0		0		0		2,000,000	
21 Support Cost		0		0		0		35,409,496	
22 Gross P-1 Cost		0		0		0		195,254,014	
23 Adv Proc Credit		0		0		0		(31,837,000)	
24 Net P-1 Cost		0		0		0		163,417,014	
25 Adv Procurement		0		0		31,837,000		0	
26 Weapon Sys Cost		0		0		31,837,000		163,417,014	
27 Initial Spares		0		0		0		5,150,000	
28 Procurement Cost		0		0		0		168,567,014	

**AIRCRAFT COST ANALYSIS**

Date: Feb-97

Air CH-60

Popular Name: \_\_\_\_\_

Manufacturer: Sikorsky

P-5 Cost Sheet

	Qty 18	FY 01 Unit Cost	Qty 18	FY 02 Unit Cost	Qty 18	FY 03 Unit Cost	Qty 18
	Total Cost		Total Cost		Total Cost		Total Cost
1 Airframe CFE	213,026,796	12,012,077	216,217,386	12,216,197	219,891,546	12,462,003	224,316,054
2 Engines/Eng Acc	26,332,758	1,495,116	26,912,088	1,528,009	27,504,154	1,561,625	28,109,245
3 CFE Mission Elect	0	0	0	0	0	0	0
4 GFE Electronics	7,271,946	412,885	7,431,929	421,968	7,595,431	431,252	7,762,531
5 Armament	0	0	0	0	0	0	0
6 Other GFE	8,693,100	493,575	8,884,348	504,434	9,079,804	515,531	9,279,560
GFE Subtotal	42,297,804	2,401,576	43,228,365	2,454,411	44,179,389	2,508,408	45,151,336
7 Rec Flyaway ECO	4,260,536	241,903	4,324,348	247,225	4,397,831	252,664	4,486,321
8 Rec Flyaway Cost	259,585,136	14,655,556	263,770,099	14,917,833	268,468,766	15,223,075	273,953,711
9 Non-Recur Cost	0	0	0	0	0	0	0
10 Ancillary Equip	33,384,337	2,053,446	36,962,025	1,452,892	26,152,055	824,920	14,848,555
11							
12 Total Flyaway	292,969,473	16,709,002	300,732,124	16,370,725	294,620,821	16,047,994	288,802,266
13 Airframe PGSE	1,700,000		4,300,000		4,394,600		4,491,281
14 Engine PGSE	485,450		1,125,000		1,149,750		1,175,045
15 Avionics PGSE	2,700,000		6,700,000		6,847,400		7,591,043
16 Pec Trng Eq	6,517,788		8,309,185		5,479,000		5,599,538
17 Pub/Tech Eq	3,230,889		3,897,969		3,983,724		4,071,366
18 Weap Sys	204,400		208,897		213,493		218,189
19 Fld Activities	7,685,000		7,854,070		7,658,860		8,079,354
20 ILS/LSA/MES	2,044,000		2,088,968		2,134,925		2,181,894
21 Support Cost	24,567,527		34,484,089		31,861,752		33,407,710
22 Gross P-1 Cost	317,537,000		335,216,213		326,482,573		322,209,976
23 Adv Proc Credit	0		0		0		0
24 Net P-1 Cost	317,537,000		335,216,213		326,482,573		322,209,976
25 Adv Procurement	0		0		0		0
26 Weapon Sys Cost	317,537,000		335,216,213		326,482,573		322,209,976
27 Initial Spares	6,039,000		4,324,000		3,801,000		13,921,000
28 Procurement Cost	323,576,000		339,540,213		330,283,573		336,130,976

Item No.  
12

Page No.  
3

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE <b>February 1997</b>	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>				C. P-1 ITEM NOMENCLATURE <b>CH-60 Helo</b>				SUBHEAD <b>TBD</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b><u>Airframe</u></b>										
FY 99 Reg.	Sikorsky, Stratford, CT	SS/FFP	NAVAIR	2/99	02/01	6	14,359	Yes	No	
FY 00 Reg	Sikorsky, Stratford, CT	SS/FFP	NAVAIR	01/00	07/01	18	11,835	Yes	No	
FY 01 Reg	Sikorsky, Stratford, CT	SS/FFP	NAVAIR	01/01	07/02	18	12,012	Yes	No	
FY 02 Reg	Sikorsky, Stratford, CT	SS/FFP	NAVAIR	01/02	07/03	18	12,216	Yes	No	
FY 03 Reg	Sikorsky, Stratford, CT	SS/FFP	NAVAIR	01/03	07/04	18	12,462	Yes	No	
<b><u>Engine</u></b>										
FY 99 Reg	GE, Lynn, Mass.	SS/FFP	Army	02/99	2/00	12	1,431	Yes	No	
FY 00 Reg	GE, Lynn, Mass.	SS/FFP	Army	01/00	07/00	36	1,463	Yes	No	
FY 01 Reg	GE, Lynn, Mass.	SS/FFP	Army	01/01	07/01	36	1,495	Yes	No	
FY 02 Reg	GE, Lynn, Mass.	SS/FFP	Army	01/02	07/02	36	1,528	Yes	No	
FY 03 Reg	GE, Lynn, Mass.	SS/FFP	Army	01/03	07/03	36	1,562	Yes	No	
D. REMARKS										







CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study		APPROPRIATION/BUDGET ACTIVITY BA 2					DATE: <b>February 1997</b>																																																																									
P-1 ITEM NOMENCLATURE <b>CH-60</b>		Admin Leadtime (after Oct1): <b>7 MOS</b>			Prod Leadtime : <b>38 MOS</b>																																																																											
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																																																																								
Buy Summary	0	0	0	6	18	18	18	18																																																																								
Unit Cost	0	0	0	28,095	17,976	18,863	18,349	18,674																																																																								
Total Cost	0	0	\$31,837	\$168,567	\$323,576	\$339,540	\$330,284	\$336,131																																																																								
<b>Asset Dynamics</b>																																																																																
Beginning Asset Position	0	0	0	0	0	0	11	35																																																																								
Deliveries from all prior year funding	0	0	0	0	0	0	0	0																																																																								
Deliveries from FY 1997 funding	0	0	0	0	0	0	0	0																																																																								
Deliveries from FY 1998 funding	0	0	0	0	0	0	0	0																																																																								
Deliveries from FY 1999 funding	0	0	0	0	0	6	0	0																																																																								
Deliveries from subsequent years' funding	0	0	0	0	0	5	18	18																																																																								
Other Gains																																																																																
Combat Losses/Usage																																																																																
Training Losses/Usage																																																																																
Test Losses/Usage																																																																																
Other Losses/Usage																																																																																
Disposals/Retirements/Attritions/etc.																																																																																
<b>End of Year Asset Position</b>						11	35	59																																																																								
Inventory Objective or Current Authorized Allowance																																																																																
<table border="1"> <tr> <td>Aircraft:</td> <td colspan="8">Remarks: There is no attrition or pipeline built into the PAA of 134.</td> </tr> <tr> <td>TOAI: 134</td> <td colspan="8"></td> </tr> <tr> <td>PAA:</td> <td colspan="8"></td> </tr> <tr> <td>TAI 134</td> <td colspan="8"></td> </tr> <tr> <td>Attrition Res:</td> <td colspan="8"></td> </tr> <tr> <td>BAI</td> <td colspan="8"></td> </tr> <tr> <td>Inactive Inv:</td> <td colspan="8"></td> </tr> <tr> <td>Storage:</td> <td colspan="8"></td> </tr> </table>									Aircraft:	Remarks: There is no attrition or pipeline built into the PAA of 134.								TOAI: 134									PAA:									TAI 134									Attrition Res:									BAI									Inactive Inv:									Storage:								
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CLASSIFICATION: **UNCLASSIFIED**

**BUDGET ITEM JUSTIFICATION SHEET  
P-40**

APPROPRIATION/BUDGET ACTIVITY

**Aircraft Procurement, Navy**

**BA 2**

P-1 ITEM NOMENCLATURE

**CH-60 Advance Procurement**

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY	0	0	0	0	0	0	0	0
COST (in Millions)	0	0	31.837	0.000	0.000	0.000	0.000	0.000

BASIS FOR REQUEST: FY 98 advance procurement funds are requested for long lead non-recurring engineering efforts.

P-1 SHOPPING LIST

DD Form 2454, JUN 86

ITEM NO.

PAGE NO.

13

1

CLASSIFICATION:

**UNCLASSIFIED**

Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)							Date: Feb-97							
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Budget Activity 2, Airlift Aircraft							P-1 Line Item Nomenclature CH-60 Advance Procurement							
Weapon System CH-60 Helo				First System (BY1) Award Date Dec. 1997				First System (BY1) Completion Date Feb 2001						

(\$ in Millions)

	PLT	When Rqd	Prior Years	PY-1	PY FY1996	CY FY1997	BY1 FY1998	BY2 FY1999	BY2 + 1 FY2000	BY2 + 2 FY2001	BY2 + 3 FY2002	BY2 + 4 FY2003	To Complete	Total
End Item Qty			0	0	0	0	0	6	18	18	18	18	56	134
CFE - Airframe														
GFE - Engine					-	-	-	-	-	-	-	-	-	-
GFE														
GFE														
EOQ														
Design	38	Feb. 01			-	-	31.837	-	-	-	-	-	-	31.837
Term Liab														
Other														
<b>Total AP</b>					0.000	0.000	31.837	0.000	0.000	0.000	0.000	0.000	0.000	31.837

Description:

This line item funds non-recurring engineering efforts for the CH-60 production program.

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)						Date: February 1997			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Navy Budget Activity 2, Airlift Aircraft					Weapon System CH-60		P-1 Line Item Nomenclature CH-60 Advance Procurement		
(TOA, \$ in Millions)									
	PLT	QPA	Unit Cost	FY1998 Qty	FY 1998 Contract Forecast Date	FY 1998 Total Cost Request	BY2 QTY (BY2 + 1 qty) FY1999	BY2 Contract Forecast Date FY1999	BY2 Total Cost Request FY1999
End Item		N/A							
CFE - Airframe									
GFE - Engine									
GFE									
GFE									
EOQ									
Design	38			6	Dec 97	31.837	-	-	-
Termination Liability									
Other									
Other									
Other									
Other									
<b>Total Advance Proc</b>						31.837			
Description:									

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: <b>FEBRUARY 1997</b>	
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>						P-1 ITEM NOMENCLATURE <b>T45TS Goshawk</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	84	12	12	12	12	12	12	12	6	13	187
Net P-1 Cost (\$M)	1,960.802	285.029	266.679	243.960	273.977	280.994	257.109	252.409	164.238	434.454	4,419.651
Advance Proc (\$M)	260.133	19.602	25.802	6.235	6.400	6.535	6.677	4.185	0.000	5.097	340.666
Wpn Sys Cost (\$M)	2,220.935	304.631	292.481	250.195	280.377	287.529	263.786	256.594	164.238	439.551	4,760.317
Initial Spares (\$M)	139.366	19.518	21.089	15.992	18.741	19.528	14.893	15.092	8.308	19.823	292.350
Proc Cost (\$M)	2,360.301	324.149	313.570	266.187	299.118	307.057	278.679	271.686	172.546	459.374	5,052.667
Unit Cost (\$M)	28.1	27.0	26.1	22.2	24.9	25.6	23.2	22.6	28.8	35.3	27.0
<p>MISSION: Develop, Procure &amp; Support a Naval Jet Flight Training System Capable of Producing 370 Strike &amp; 36 E2/C2 Pilots through FY 2020.</p> <p>DESCRIPTION: The T45TS is an optimized replacement for the existing pilot training system that meets carrier pilot production requirements (TA-4J retires FY98 &amp; T-2C retires FY03. The fully integrated system includes: 187 T-45A A/C; 17 simulators; academic materials, training aids, &amp; equipment; two computer based training integration systems; and contractor logistics support of all system elements.</p> <p>BASIS FOR REQUEST: The FY 1998/99 requests are for twelve (12) T-45A digital cockpit configured aircraft and production, logistics, and associated technical training support.</p>											

AIRCRAFT MODEL: T-45A

AIRCRAFT COST ANALYSIS

MANUFACTUER: MDA/BAe

POPULAR NAME: GOSHAWK

ITEM	FY96	12	FY97	12	FY98	12	FY99	12
	Unit Cost	Total Cost						
1. Airframe/CFE	15,418,340	185,020,078	15,429,144	185,149,729	15,537,325	186,447,903	15,544,039	186,528,469
2. Engine/Access	1,730,680	20,768,162	1,769,647	21,235,766	1,806,811	21,681,727	1,845,014	22,140,171
4. GFE Electronics	237,107	2,845,285	159,553	1,914,630	189,128	2,269,533	193,127	2,317,521
6. Other GFE	558,071	6,696,855	571,251	6,855,010	592,317	7,107,801	604,841	7,258,090
Subtotal GFE	2,525,859	30,310,302	2,500,451	30,005,406	2,588,255	31,059,061	2,642,982	31,715,782
7. Rec Flyaway ECO	318,246	3,818,951	385,872	4,630,466	310,747	3,728,958	310,881	3,730,569
8. Recurr Flyaway Cost	18,262,444	219,149,331	18,315,467	219,785,601	18,436,327	221,235,922	18,497,902	221,974,820
9. Nonrecurring Cost	196,572	2,358,868	0	0	207,583	2,490,994	0	0
10. Ancillary Equipment	0	0	247,546	2,970,552	232,428	2,789,141	236,986	2,843,830
12. Total Flyaway Cost	18,459,017	221,508,199	18,563,013	222,756,153	18,876,338	226,516,057	18,734,888	224,818,650
13. Pec Supt Equipment		37,515,631		13,833,426		5,589,921		14,839,958
16. Pec Training Equipment		30,519,930		11,570,000		7,192,000		17,449,000
17. Pubs/Tech Data		3,508,475		5,060,043		3,733,000		2,389,000
18. Production Support		4,600,081		8,527,336		9,560,021		5,457,879
19. ISD/TIS/ACAD		1,314,374		6,616,638		3,770,000		3,605,000
20. ILS/LSA/LSM		17,023,310		17,917,404		13,401,001		11,652,513
22. SUPPORT COST		94,481,801		63,524,847		43,245,943		55,393,350
23. GROSS P-1 COST		315,990,000		286,281,000		269,762,000		280,212,000
24. ADV PROC CREDIT		-30,961,000		-19,602,000		-25,802,000		-6,235,000
25. NET P-1 COST		285,029,000		266,679,000		243,960,000		273,977,000
26. ADV PROC		19,602,000		25,802,000		6,235,000		6,400,000
27. WEAPON SYSTEM		304,631,000		292,481,000		250,195,000		280,377,000
28. SPARES		19,518,000		21,089,000		15,992,000		18,741,000
29. PROCUREMENT COST		324,149,000		313,570,000		266,187,000		299,118,000

AIRCRAFT MODEL: T-45A

AIRCRAFT COST ANALYSIS

MANUFACTUER: MDA/BAe

POPULAR NAME: GOSHAWK

ITEM	FY00	12	FY01	12	FY02	12	FY03	6
	Unit Cost	Total Cost						
1. Airframe/CFE	15,695,143	188,341,718	15,818,422	189,821,068	15,949,065	191,388,777	20,135,876	120,815,254
2. Engine/Access	1,884,391	22,612,686	1,925,745	23,108,936	1,971,231	23,654,773	2,555,966	15,335,797
4. GFE Electronics	197,248	2,366,981	201,577	2,418,926	206,339	2,476,062	211,509	1,269,056
6. Other GFE	617,749	7,412,992	631,306	7,575,675	646,218	7,754,614	662,412	3,974,474
Subtotal GFE	2,699,388	32,392,659	2,758,628	33,103,537	2,823,787	33,885,449	3,429,888	20,579,327
7. Rec Flyaway ECO	313,903	3,766,834	316,368	3,796,421	318,981	3,827,776	402,718	2,416,305
8. Recurr Flyaway Cost	18,708,434	224,501,211	18,893,419	226,721,026	19,091,833	229,102,002	23,968,481	143,810,886
9. Nonrecurring Cost	0	0	0	0	0	0	0	0
10. Ancillary Equipment	243,822	2,925,864	248,379	2,980,553	252,937	3,035,242	0	0
12. Total Flyaway Cost	18,952,256	227,427,075	19,141,798	229,701,579	19,344,770	232,137,244	23,968,481	143,810,886
13. Pec Supt Equipment		18,794,958		9,582,046		3,651,757		3,576,417
16. Pec Training Equipment		18,008,000		245,000		0		0
17. Pubs/Tech Data		2,190,000		2,467,000		2,614,000		2,671,000
18. Production Support		5,641,967		5,666,084		5,782,999		5,965,911
19. ISD/TIS/ACAD		3,459,000		2,563,000		2,014,000		1,189,000
20. ILS/LSA/LSM		11,873,000		13,419,291		12,886,000		11,209,786
22. SUPPORT COST		59,966,925		33,942,421		26,948,756		24,612,114
23. GROSS P-1 COST		287,394,000		263,644,000		259,086,000		168,423,000
24. ADV PROC CREDIT		-6,400,000		-6,535,000		-6,677,000		-4,185,000
25. NET P-1 COST		280,994,000		257,109,000		252,409,000		164,238,000
26. ADV PROC		6,535,000		6,677,000		4,185,000		0
27. WEAPON SYSTEM		287,529,000		263,786,000		256,594,000		164,238,000
28. SPARES		19,528,000		14,893,000		15,092,000		8,308,000
29. PROCUREMENT COST		307,057,000		278,679,000		271,686,000		172,546,000

PROCUREMENT HISTORY & PLANNING								DATE: February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE						
APN/BA3				T45A AIRFRAME						
COST ELEMENT/ FISCAL YEAR *	CONTRACT AND LOCATION	CONTRACT METHOD & TYPE **	CONTRACT BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW WHEN?	ARE SPEC REVISIONS REQUIRED	IF YES, WHEN AVAILABLE?
FY 1996 Regular	MDA St. Louis, MO	SS/FP	NAVAIR	5/96	11/97	12	15.4			
ADV PROC (96 for 97)	MDA St. Louis, MO	SS/FP	NAVAIR	9/96	----	----	----	YES	NO	
FY 1997 Regular	MDA St. Louis, MO	SS/FP	NAVAIR	3/97	10/98	12	15.4			
ADV PROC (97 for 98)	MDA St. Louis, MO	SS/FP	NAVAIR	6/97	----	----	----	YES	NO	
FY 1998 Regular	MDA St. Louis, MO	SS/FP	NAVAIR	3/98	10/99	12	15.5			
ADV PROC (98 for 99)	MDA St. Louis, MO	SS/FP	NAVAIR	6/98	----	----	----	YES	NO	
FY 1999 Regular	MDA St. Louis, MO	SS/FP	NAVAIR	3/99	10/00	12	15.5			
ADV PROC (99 for 00)	MDA St. Louis, MO	SS/FP	NAVAIR	6/99	---	---	---	YES	NO	
REMARKS: * Airframe/CFE and CFE Mission Electronics only: Engine is GFE. ** Sole source because MDA is the designer, developer and sole manufacturer/integrator of the T-45A. Only MDA possesses the T45A unique experience and capabilities to fulfill this requirement.										
			P-1 SHOPP. LIST ITEM NO. 14	PAGE NO. 4	UNCLASSIFIED			Exhibit P-5A		

<b>PROCUREMENT HISTORY &amp; PLANNING</b>	DATE: February 1997
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APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE
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COST ELEMENT/ FISCAL YEAR *	CONTRACTOR	APN/BA3		T45A GFE ENGINE				SPECS AVAIL NOW WHEN?	ARE SPEC REVISIONS REQUIRED	IF YES, WHEN AVAILABLE?
		CONTRACT METHOD & TYPE **	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST			
FY 1996 Regular	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	3/96	3/97	12	1.7	YES	NO	
ADV PROC (96 for 97)	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	7/96	----	----	----	YES	NO	
FY 1997 Regular	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	3/97	3/98	12	1.8	YES	NO	
ADV PROC (97 for 98)	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	6/97	----	----	----	YES	NO	
FY 1998 Regular	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	3/98	3/99	12	1.8	YES	NO	
ADV PROC (98 for 99)	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	6/98	----	----	----	YES	NO	
FY 1999 Regular	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	3/99	3/00	12	1.8	YES	NO	
ADV PROC (99 for 00)	Rolls Royce plc Bristol, England	SS/Option	NAVAIR	6/99	----	----	----	YES	NO	

REMARKS:  
 \* Engine/Access only.  
 \*\* Sole source because Rolls Royce is the designer, developer and sole manufacturer of the T-45A engine.  
 Only Rolls Royce possesses the T45A unique experience and capabilities to fulfill this requirement.  
 The (FFP) basic contract was awarded to Rolls Royce (Nov 93) and contains eight (8) options for the FY-94 through FY-01 procurements.

APPROPRIATION/BUDGET ACTIVITY Weapon System P-1 ITEM NOMENCLATURE  
**AIRCRAFT PRODUCTION, NAVY** **Trainer Aircraft, BA-3** T45TS AIRFRAME

		Production Rate			Procurement Leadtimes					
Item	Manufacturer's Name and Location	MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT	Total	Unit of Measure
AIRFRAME	MDA ST. LOUIS, MO	12	12	48	0	9	38	27	36	mos

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1997												FISCAL YEAR 1998												B A L			
						CALENDAR YEAR 1997												CALENDAR YEAR 1998															
						1996			1997									1998															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
AIRFRAME/MDA	FY94	N	12	11	1	0	1																										
AIRFRAME/MDA	FY95	N	12	0	12			1	1	1	1	1	1	1	1	1	2	1															
AIRFRAME/MDA	FY96	N	12	0	12													1	1	1	1	1	1	1	1	1	1	1	2	1			

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 1999												FISCAL YEAR 2000												B A L			
						CALENDAR YEAR 1999												CALENDAR YEAR 2000															
						1998			1999									2000															
						O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P				
AIRFRAME/MDA	FY97	N	12	0	12	1	1	1	1	1	1	1	1	1	1	1	1																
AIRFRAME/MDA	FY98	N	12	0	12													1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

Remarks:

APPROPRIATION/BUDGET ACTIVITY Weapon System  
**AIRCRAFT PRODUCTION, NAVY** **P-1 ITEM NOMENCLATURE**  
**Trainer Aircraft, BA-1 T45TS AIRFRAME**

Item	Manufacturer's Name and Location	Production Rate			Procurement Leadtimes				Total	Unit of Measure
		MSR	1-8-5	MAX	ALT Prior to Oct 1	ALT After Oct 1	Initial Mfg PLT	Reorder Mfg PLT		
AIRFRAME	MDA ST. LOUIS, MO	12	12	48	0	9	38	27	36	mos

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2001												FISCAL YEAR 2002												B A L
						2000			CALENDAR YEAR 2001									CALENDAR YEAR 2002												
						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	
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	
AIRFRAME/MDA	FY99	N	12	0	12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1				
AIRFRAME/MDA	FY00	N	12	0	12													1	1	1	1	1	1	1	1	1	1	1	1	

ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	FISCAL YEAR 2003												FISCAL YEAR 2004												B A L
						2002			CALENDAR YEAR 2003									CALENDAR YEAR 2004												
						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	
						T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P	
AIRFRAME/MDA	FY01	N	12	0	12	1	1	1	1	1	1	1	1	1	1	1	1													
AIRFRAME/MDA	FY02	N	12	0	12													1	1	1	1	1	1	1	1	1	1	1	1	
AIRFRAME/MDA	FY03	N	6	0	6																									

Remarks:





SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)							DATE			
							FEBRUARY 1997			
Appropriation/P-1 Line Item		Weapon System (if Applicable)					Equipment Nomenclature:			
APN 3 TRAINER AIRCRAFT		T45TS GOSHAWK					OPERATIONAL FLIGHT TRAINER OFT (2F138) INSTRUMENT FLIGHT TRAINER (IFT) 2F137			
Fin Plan	Prior Years	FY1996	FY1997	FY1998	FY1999	FY2000	FY2001	FY2002	FY2003	Total
Quantity	8	3	1	1	2	2	0	0	0	17
Proc	\$90,835	\$26,465	\$11,570	\$7,192	\$17,449	\$18,008	\$245	\$0	\$0	\$171,764
RDT&E	\$40,118	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$40,118
O&S		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
<p><u>Training System Description:</u></p> <p>The OFT for the T45TS provides training for normal and emergency flight procedures; field and carrier capable takeoff, approach and landing; air-to-ground weapons delivery; air-to-air gunnery and tactical navigation procedures. The T45TS utilizes more simulator hours than previous training program because of the increased capability of modern visual projection systems to enhance the introduction of tactical scenarios.</p> <p>The IFT for the T45TS provides training for cockpit orientation; normal and emergency flight procedures; instrument flight and radio navigation procedures. The T45TS utilizes more simulator hours than the previous training program because of the increased capability of the modern simulator.</p> <p>NOTE: *** FY96 PROCUREMENT IS FOR PRODUCTIONIZATION OF COCKPIT 21 DIGITAL PROTOTYPE OFT AND PROCUREMENT OF (1) PRODUCTION OFT AND (1) PRODUCTION IFT</p> <p>FY97 1 OFT  FY98 1 IFT  FY99 1 OFT/1 IFT  FY00 1 OFT/1 IFT</p> <p>TOTAL PLANNED PROGRAM BUY 12 OFTS AND 5 IFTS</p>										
			P-1 SHOPP LIST							
			ITEM NO.		PAGE NO.					
			14		10					
			P-43 Simulator & Training Device Justification							

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)									DATE FEBRUARY 1997			
Training by Device Type OFT (2F138)					Weapon System (if applicable) T45TS							
Description/Justification T-45 Operational Flight Trainer Cost Analysis												
Financial Plan	Prior Years		FY1997		FY1998		FY1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	8	\$98,595	1	\$10,420	0	\$0	1	\$10,000	1	\$10,250	11	\$129,265
ECO's		\$1,186		\$0		\$208		\$164		\$490		\$2,048
Nonrecurring		\$0		\$0		\$0		\$0		\$0		\$0
GFE		\$0		\$0		\$0		\$0		\$0		\$0
Other												
Site Act/ R&M / Q/A		\$112		\$223		\$116		\$119		\$97		\$667
Program Management		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		\$0		<u>\$0</u>
<b>Total Hardware Costs</b>		<b>\$99,893</b>		<b>\$10,643</b>		<b>\$324</b>		<b>\$10,283</b>		<b>\$10,837</b>		<b>\$131,980</b>
<b>SUPPORT COSTS</b>												
Special SE		\$100		\$213		\$109		\$115		\$92		\$629
Integrated Logistics Support		\$950		\$650		\$664		\$679		\$694		\$3,637
Other												
Technical data		\$23		\$64		\$120		\$122		\$130		\$459
Contractor Site Support		<u>\$0</u>		<u>\$0</u>		\$0		\$0		\$0		\$0
<b>Total Support Costs</b>		<b>\$1,073</b>		<b>\$927</b>		<b>\$893</b>		<b>\$916</b>		<b>\$916</b>		<b>\$4,725</b>
Software/Courseware	2	\$659		\$0		\$0		\$0		\$0	2	\$659
<b>TOTAL COSTS</b>		<b>\$101,625</b>		<b>\$11,570</b>		<b>\$1,217</b>		<b>\$11,199</b>		<b>\$11,753</b>		<b>\$137,364</b>
			P-1 SHOPPING LIST ITEM NO. 14		PAGE NO. 11		EXHIBIT P-43					

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE FEBRUARY 1997		
Training by Device Type /IFT (2F137)					Weapon System (if applicable) T45TS							
Description/Justification T-45 Instrument Flight Trainer Cost Analysis												
Financial Plan	Prior Years		FY1997		FY1998		FY1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	3	\$15,675	0	\$0	1	\$5,975	1	\$6,250	1	\$6,500	6	\$34,400
ECO's		\$0		\$0		\$0		\$0		\$0		\$0
Nonrecurring		\$0		\$0		\$0		\$0		\$0		\$0
GFE		\$0		\$0		\$0		\$0		\$0		\$0
Other												
Site Act/ R&M / Q/A		\$0		\$0		\$0		\$0		\$0		\$0
Program Management		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>
<b>Total Hardware Costs</b>		<b>\$15,675</b>		<b>\$0</b>		<b>\$5,975</b>		<b>\$6,250</b>		<b>\$6,500</b>		<b>\$34,400</b>
<b>SUPPORT COSTS</b>												
Special SE		\$0		\$0		\$0		\$0		\$0		\$0
Integrated Logistics Support		\$0		\$0		\$0		\$0		\$0		\$0
Other												
Technical data		\$0		\$0		\$0		\$0		\$0		\$0
Contractor Site Support		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>		<u>\$0</u>
<b>Total Support Costs</b>		<b>\$0</b>		<b>\$0</b>		<b>\$0</b>		<b>\$0</b>		<b>\$0</b>		<b>\$0</b>
Software/Courseware	0	\$0		\$0		\$0		\$0		\$0	0	\$0
<b>TOTAL COSTS</b>		<b>\$15,675</b>		<b>\$0</b>		<b>\$5,975</b>		<b>\$6,250</b>		<b>\$6,500</b>		<b>\$34,400</b>
			P-1 SHOPPING LIST ITEM NO. 14				PAGE NO. 12		EXHIBIT P-43			

SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$000)										DATE FEBRUARY 1997			
Appropriation/P-1 Line Item		Weapon System (if Applicable) T45TS			IOC Date Apr-93		Equipment Nomenclature OFT (2F138) / IFT (2F137)				PE		
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years		FY1997		FY1998		FY1999		
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
2F137	NAS, Kingsville	Feb-91	Feb-91	21.94	1	\$10,323							
2F137	NAS, Kingsville	Aug-91	Aug-91	21.94	1	\$5,045							
2F137	NAS, Meridian	Nov-98	Nov-98	21.94	1	\$5,225							
2F137	NAS, Meridian	Mar-00	Mar-00	21.94					1	\$5,975			
2F137	NAS, Meridian	May-01	May-01	21.94							1	\$6,250	
2F138	NAS, Kingsville	Feb-91	Feb-91	21.94	1	\$20,460							
2F138	NAS, Kingsville	Jul-91	Jul-91	21.94	5	\$70,375							
2F138	NAS, Meridian	Jun-98	Jun-98	21.94	2	\$16,015							
2F138	NAS, Meridian	Mar-99	Mar-99	21.94			1	\$10,420					
2F138	NAS, Meridian	Mar-01	Mar-01	21.94							1	10,000	
				P-1 SHOPP LIST ITEM NO. 14			PAGE NO. 13		EXHIBIT P-43				

CLASSIFICATION: **UNCLASSIFIED**

Exhibit P-20, Requirements Study			APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PRODUCTION, NAVY				DATE: <b>February 1997</b>																	
P-1 ITEM NOMENCLATURE <b>T-45TS</b>		Admin Leadtime (after Oct1): <b>9 months</b>			Prod Leadtime : <b>27 months</b>																			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																
Buy Summary	12	12	12	12	12	12	12	6																
Unit Cost	\$27.0	\$26.1	\$22.2	\$24.9	\$25.6	\$23.2	\$22.6	\$28.8																
Total Cost	\$324.1	\$313.6	\$266.2	\$299.1	\$307.1	\$278.7	\$271.7	\$172.6																
<b>Asset Dynamics</b>																								
Beginning Asset Position	57	67	77	88	98	108	118	127																
Deliveries from all prior year funding	11	12	13																					
Deliveries from FY 1997 funding				12																				
Deliveries from FY 1998 funding					12																			
Deliveries from FY 1999 funding						12																		
Deliveries from subsequent years' funding							12	12																
Other Gains																								
Combat Losses/Usage																								
Training Losses/Usage																								
Test Losses/Usage																								
Other Losses/Usage																								
Disposals/Retirements/Attritions/etc.	-1	-2	-2	-2	-2	-2	-3	-3																
<b>End of Year Asset Position</b>	67	77	88	98	108	118	127	136																
Inventory Objective or Current Authorized All 67		77	91	103	107	116	123	132																
<table border="1"> <tr> <td>Aircraft:</td> <td>Remarks:</td> </tr> <tr> <td>TOAI: 136</td> <td></td> </tr> <tr> <td>PAA:</td> <td></td> </tr> <tr> <td>TAI 136</td> <td></td> </tr> <tr> <td>Attrition Res: 0</td> <td></td> </tr> <tr> <td>BAI 0</td> <td></td> </tr> <tr> <td>Inactive 0</td> <td></td> </tr> <tr> <td>Storage 0</td> <td></td> </tr> </table>									Aircraft:	Remarks:	TOAI: 136		PAA:		TAI 136		Attrition Res: 0		BAI 0		Inactive 0		Storage 0	
Aircraft:	Remarks:																							
TOAI: 136																								
PAA:																								
TAI 136																								
Attrition Res: 0																								
BAI 0																								
Inactive 0																								
Storage 0																								

**UNCLASSIFIED**

**BUDGET ITEM JUSTIFICATION SHEET**

DATE:

February 1997

APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE				
Aircraft Procurement, Navy/APN-3, Trainer Aircraft				T-45 Advance Procurement				
	FY - 1996	FY - 1997	FY - 1998	FY - 1999	FY - 2000	FY - 2001	FY - 2002	FY - 2003
<b>QUANTITY</b>								
<b>COST</b> <b>(IN MILLIONS)</b>	<b>\$19.602</b>	<b>\$25.802</b>	<b>\$6.235</b>	<b>\$6.400</b>	<b>\$6.535</b>	<b>\$6.677</b>	<b>\$4.185</b>	<b>\$0.000</b>

**Description:** This line item funds long-lead requirements for the T-45A production program. Airframe/CFE and engine requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long-lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis, procuring the long-lead quantity needed to protect the production schedule.

**Basis for request:** The FY 1998 request is to cover long-lead requirements for the procurement of 12 T-45 aircraft in FY 1999. The FY 1999 request is to cover long-lead requirements for the procurement of 12 T-45 aircraft in FY 2000.

**P-1 SHOPPING LIST**

**ITEM NO.**

15

**PAGE NO.**

1

**Exhibit P-40**

**UNCLASSIFIED**

Exhibit P-10 Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: Feb-97				
Appropriation (Treas) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature T-45 Advance Procurement				
Aircraft Procurement, Navy/APN-3, Trainer Aircraft														
Weapon System T-45A					First System (BY1) Award Date			Aug-98		First System (BY1) Completion Date				
(\$ in Millions)														
	PLT	When Rqd	Prior Years	PY-1	PY 1996	CY 1997	BY1 1998	BY2 1999	BY2 + 1 2000	BY2 + 2 2001	BY2 + 3 2002	BY2 + 4 2003	To Complete	Total
End Item Qty														
CFE	30	Sep-96	229.1	27.7	17.0	22.8	3.3	3.4	3.5	3.6	2.3	0.0	2.8	315.5
GFE - Engine	28	Jun-96		2.3	2.3	2.7	2.7	2.8	2.8	2.9	1.7	0.0	2.1	22.3
GFE - Other	30	Jun-96		1	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.0	0.2	2.8
EOQ*														
Design														
Term Liab														
Other**														
<b>Total AP</b>			229.1	31.0	19.6	25.8	6.2	6.4	6.5	6.7	4.2	0.0	5.1	340.6
Description:														
Termination liability schedule inputs provided by McDonnell Douglas.														

P-1 Shopping List Item No

Exhibit P-10, page 1

Exhibit P-10 Advance Procurement Requirements Analysis (Page 2 - Budget Justification)						Date: Feb-97			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Navy/APN-3, Trainer Aircraft					Weapon System	P-1 Line Item Nomenclature T-45 Advance Procurement			
(TOA, \$ in Millions)									
	PLT	QPA	Unit Cost	BY1 QTY	BY1 Contract Forecast Date	BY1 Total Cost Request	BY2 QTY	BY2 Contract Forecast Date	BY2 Total Cost Request
End Item		N/A		12		N/A	(BY2 + 1 qty)		N/A
CFE	30	1	22.8	12	Jun-98	3.2	12	Jun-99	3.3
GFE - Engine	28	1	2.7	12	Jun-98	2.7	12	Jun-99	2.8
GFE - Other	30	1	0.3	12	Jun-98	0.3	12	Jun-99	0.3
EOQ									
Design									
Termination Liability									
Other									
Other									
Other									
Other									
<b>Total Advance Proc</b>			25.8			6.2			6.4
Description:									

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: <b>February 1997</b>	
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy APN BA-3</b>						P-1 ITEM NOMENCLATURE <b>T-39N</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	0	17	0	0	0	0	0	0	0	0	17
Net P-1 Cost (\$M)	0	43.639	0	0	0	0	0	0	0	0	43.639
Advance Proc (\$M)	0	0	0	0	0	0	0	0	0	0	0
Wpn Sys Cost (\$M)	0	43.639	0	0	0	0	0	0	0	0	43.639
Initial Spares (\$M)	0	0	0	0	0	0	0	0	0	0	0
Proc Cost (\$M)	0	43.639	0	0	0	0	0	0	0	0	43.639
Unit Cost (\$M)	0	2.567	0	0	0	0	0	0	0	0	2.567
<p>Description:</p> <p>This line item provides funding to procure seventeen (17) T-39N aircraft and associated equipment to support Undergraduate Flight Officer (UNFO) Program. These aircraft and equipment will be used in training Navy and Air Force undergraduate flight officers on basic navigation and radar operation.</p> <p>Justification of Budget Year Requirements: There is no FY 1998 or FY 1999 request.</p>											

Date: February 1997

**AIRCRAFT COST ANALYSIS**

Aircraft mode T-39N

Popular Name: UNFO

Manufacturer: SABRELINER

P-1 Cost Sheet /

	FY 96	Qty 17	FY 97	Qty 0	FY 98	Qty 0	FY 99	Qty 0
	Unit Cost	Total Cost						
1 Airframe CFE	1,969,941	33,489,000	0	0	0	0	0	0
2 CFE Electronics	0	0	0	0	0	0	0	0
3 GFE Electronics	0	0	0	0	0	0	0	0
4 Engines/Eng Acc	0	0	0	0	0	0	0	0
5 Armament	0	0	0	0	0	0	0	0
6 Other GFE	0	0	0	0	0	0	0	0
7 Rec Flyaway ECO	0	0	0	0	0	0	0	0
8 Rec Flyaway Cost	1,969,941	33,489,000	0	0	0	0	0	0
9 Non-Recur Cost	0	4,600,000	0	0	0	0	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	0	38,089,000	0	0	0	0	0	0
13 Airframe PGSE		0		0		0		0
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		0		0		0		0
16 Pec Trng Eq		3,000,000		0		0		0
17 Pub/Tech Eq		1,350,000		0		0		0
18 Prod Engr Supt		750,000		0		0		0
19 ILS/Rel Dem		450,000		0		0		0
20 Support ECO		0		0		0		0
21 Support Cost		5,550,000		0		0		0
22 Gross P-1 Cost		43,639,000		0		0		0
23 Adv Proc Credit		0		0		0		0
24 Net P-1 Cost		43,639,000		0		0		0
25 Adv Proc		0		0		0		0
26 Weapon Sys Cost		43,639,000		0		0		0
27 Init Spares		0		0		0		0
28 Proc Cost		43,639,000		0		0		0

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE February 1997	
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy				C. P-1 ITEM NOMENCLATURE T-39N			SUBHEAD 43A8			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
AIRFRAME REGULAR/ FY96	SABRELINER ST. LOUIS, MO	FFP	NAVAIR	MAR-97	SEP-98	17	1,970.0	N/A	N/A	
D. REMARKS										



SIMULATOR AND TRAINING DEVICE JUSTIFICATION										DATE: #####		
Appropriation/P-1 Line Item			Weapon System		IOC Date		Equipment Nomenclature			PE		
APN BA-3/ LI 16			T-39N (UNFO)		Sep-98		Radar / Navigation Trainers					
Training Device by Type	Site	Delivery Date	Ready for Training Date	Average Student Throughput	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999	
					Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
Air to Air Radar Trainer	NAS Pensacola	Sep 1998	Sep 1998	375/yr	1	\$1.5M	0	0	0	0	0	0
Ground Mapping Trainer	NAS Pensacola	Sep 1998	Sep 1998	375/yr	1	\$1.5M	0	0	0	0	0	0
			Item No.	PAGE NO.		EXHIBIT P-43						
			16	5								

**SIMULATOR AND TRAINING DEVICE JUSTIFICATION**

DATE  
#####

TRAINING DEVICE BY TYPE  
**Radar / Navigation Trainers**

Weapon System  
**T-39N (UNFO)**

FINANCIAL PLAN	Prior Years FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complet		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)      Air to A Radar Trnr	1	1.5	0	0	0	0	0	0	0	0	1	1.5
Gnd Mapping Trnr	1	1.5	0	0	0	0	0	0	0	0	1	1.5
Engineering Change Orders											0	0
Non-Recurring											0	0
GFE											0	0
Other (Specify)											0	0
<b>Total Hardware Costs</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>
<b>SUPPORT COST</b>												
Special Support Equipment											0	0
Integrated Logistics Support											0	0
Other (Specify)/Training Requirements											0	0
<b>Total Support Costs</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Software/Courseware											0	0
<b>TOTAL COSTS</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>3</b>

Item No.  
16

PAGE NO.  
6

Exhibit P-43

CLASSIFICATION:

**UNCLASSIFIED**

<b>Exhibit P-20, Requirements Study</b>				APPROPRIATION/BUDGET ACTIVITY <b>APN BA-3</b>			DATE: <b>February 1997</b>	
P-1 ITEM NOMENCLATURE <b>T-39N</b>			Admin Leadtime (after Oct1): <b>11 mos</b>			Prod Leadtim <b>21 mos</b>		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	<b>17</b>							
Unit Cost	<b>2.56</b>							
Total Cost	<b>43.60</b>							
<b>Asset Dynamics</b>								
Beginning Asset Position	0		0					
Deliveries from all prior year funding	0		0					
Deliveries from FY 1997 funding	0		17					
Deliveries from FY 1998 funding	0		0					
Deliveries from FY 1999 funding	0		0					
Deliveries from subsequent years' funding	0		0					
Other Gains	0		0					
Combat Losses/Usage	0		0					
Training Losses/Usage	0		0					
Test Losses/Usage	0		0					
Other Losses/Usage	0		0					
Disposals/Retirements/Attritions/etc.	0		0					
<b>End of Year Asset Position</b>	0		17					
Inventory Objective or Current Authorized Allowance	0		17					
<b>Aircraft:</b>								
TOAI:	17	Remarks:						
PAA:								
TAI:	17							
Attrition:	0							
BAI:	0							
Inactive:	0							
Storage:	0							

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40										DATE: <b>February 1997</b>	
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy APN BA-4</b>						P-1 ITEM NOMENCLATURE <b>KC-130J</b>					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	0	0	4	0	0	0	0	0	0	0	4
Net P-1 Cost (\$M)	0	0	206.387	0	0	0	0	0	0	0	206.387
Advance Proc (\$M)	0	0	0	0	0	0	0	0	0	0	0
Wpn Sys Cost (\$M)	0	0	206.387	0	0	0	0	0	0	0	206.387
Initial Spares (\$M)	0	0	0	0	0	0	0	0	0	0	0
Proc Cost (\$M)	0	0	206.387	0	0	0	0	0	0	0	206.387
Unit Cost (\$M)	0	0	51.597	0	0	0	0	0	0	0	51.597
<p><b>Description:</b> This line item provides funding to procure four (4) USMC KC-130J Tanker aircraft.</p> <p><b>Justification of Budget Year Requirements:</b> There is no FY 1998 or FY 1999 request.</p>											

Date: February 1997

**AIRCRAFT COST ANALYSIS**

Aircraft mode KC-130J

Popular Name: \_\_\_\_\_

Manufacturer: LOCKHEED/MARTIN

P-1 Cost Sheet /

	FY 96		FY 97		FY 98		FY 99	
	Unit Cost	Qty 0 Total Cost	Unit Cost	Qty 4 Total Cost	Unit Cost	Qty 0 Total Cost	Unit Cost	Qty 0 Total Cost
1 Airframe CFE	0	0	4,900,000	196,000,000	0	0	0	0
2 CFE Electronics	0	0	0	0	0	0	0	0
3 GFE Electronics	0	0	0	0	0	0	0	0
4 Engines/Eng Acc	0	0	0	0	0	0	0	0
5 Armament	0	0	0	0	0	0	0	0
6 Other GFE	0	0	0	0	0	0	0	0
7 Rec Flyaway ECO	0	0	0	0	0	0	0	0
8 Rec Flyaway Cost	0	0	49,000,000	196,000,000	0	0	0	0
9 Non-Recur Cost	0	0	0	0	0	0	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	0	0	0	196,000,000	0	0	0	0
13 Airframe PGSE		0		0		0		0
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		0		0		0		0
16 Pec Trng Eq		0		0		0		0
17 Pub/Tech Eq		0		1,750,000		0		0
18 Prod Engr Supt		0		1,041,000		0		0
19 ILS/Rel Dem		0		7,596,000		0		0
20 Support ECO		0		0		0		0
21 Support Cost		0		10,387,000		0		0
22 Gross P-1 Cost		0		206,387,000		0		0
23 Adv Proc Credit		0		0		0		0
24 Net P-1 Cost		0		206,387,000		0		0
25 Adv Proc		0		0		0		0
26 Weapon Sys Cost		0		206,387,000		0		0
27 Init Spares		0		0		0		0
28 Proc Cost		0		206,387,000		0		0

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE			SUBHEAD			
Aircraft Procurement, Navy APN BA-4				KC-130J			44A9			
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
AIRFRAME REGULAR/ FY97	LMAS MARIETTA,GA	FFP	USAF	4QFY97	3QFY99	4	49,000.0	N/A	N/A	
D. REMARKS										



CLASSIFICATION:

**UNCLASSIFIED**

<b>Exhibit P-20, Requirements Study</b>	APPROPRIATION/BUDGET ACTIVITY <b>APN BA-4</b>	DATE: <b>February 1997</b>
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P-1 ITEM NOMENCLATURE <b>KC-130J</b>	Admin Leadtime (after Oct1): <b>11 mos</b>	Prod Leadtim <b>21 mos</b>
---	--	----------------------------

	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
Buy Summary	<b>0</b>	<b>4</b>						
Unit Cost	<b>0.00</b>	<b>51.60</b>						
Total Cost	<b>0.00</b>	<b>\$206.4</b>						
<b>Asset Dynamics</b>								
Beginning Asset Position	0	0		0				
Deliveries from all prior year funding	0			0				
Deliveries from FY 1997 funding	0			4				
Deliveries from FY 1998 funding	0			0				
Deliveries from FY 1999 funding	0			0				
Deliveries from subsequent years' funding	0			0				
Other Gains	0			0				
Combat Losses/Usage	0			0				
Training Losses/Usage	0			0				
Test Losses/Usage	0			0				
Other Losses/Usage	0			0				
Disposals/Retirements/Attritions/etc.	0			0				
<b>End of Year Asset Position</b>	0			4				
Inventory Objective or Current Authorized Allowance	0			4				

Aircraft:	
TOAI:	4
PAA:	
TAI:	4
Attrition:	0
BAI:	0
Inactive:	0
Storage:	0

Remarks:

CLASSIFICATION:

**UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET										DATE:	
P-40										FEBRUARY 1997	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE					
<b>Aircraft Procurement, Navy</b>						HH-60H					
	Prior Years	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	To Complete	Total Program
QUANTITY	35	0	0	0	0	0	0	0	0	0	35
Net P-1 Cost (\$M)	489.250	13.036	0	0	0	0	0	0	0	0	502.286
Advance Proc (\$M)	0	0	0	0	0	0	0	0	0	0	0
Wpn Sys Cost (\$M)	489.250	13.036	0	0	0	0	0	0	0	0	502.286
Initial Spares (\$M)	0	0	0	0	0	0	0	0	0	0	0
Proc Cost (\$M)	489.250	13.036	0	0	0	0	0	0	0	0	502.286
Unit Cost (\$M)	13.979	0	0	0	0	0	0	0	0	0	14.351
<p><b>MISSION/DESCRIPTION:</b>                      The HH-60H is a derivative of the SH-60 series helicopter and is capable of operating from surface combatants(DD/FFG-7/CG-47). Initially procured for operation by the reserve forces, the program objective has been increased to provide aircraft for active forces, the program objective has been increased to provide aircraft for active forces as well. The active forces will deploy 2 HH-60H's and 4 SH-60F's with each active duty helicopter anti-submarine warfare squadron (HS). The HH-60H's will provide organic CVGB Combat Search and Rescue and Special Warfare capability as well as increased logistics capability over the SH-60F's.</p> <p><b>BASIS FOR REQUEST:</b>                      No funds are requested in FY 1998 or FY 1999.</p>											

**UNCLASSIFIED**

Date: FEBRUARY 1997

**AIRCRAFT COST ANALYSIS**

Aircraft model: HH-60H

Popular Name: \_\_\_\_\_

Manufacturer: SIKORSKY

P-1 Cost Sheet /

	<u>FY 96</u>	<u>Qty XX</u>	<u>FY 97</u>	<u>Qty XX</u>	<u>FY 98</u>	<u>Qty XX</u>	<u>FY 99</u>	<u>Qty XX</u>
	<u>Unit Cost</u>	<u>Total Cost</u>						
1 Airframe CFE	0	0	0	0	0	0	0	0
2 CFE Electronics	0	0	0	0	0	0	0	0
3 GFE Electronics	0	0	0	0	0	0	0	0
4 Engines/Eng Acc	0	0	0	0	0	0	0	0
5 Armament	0	0	0	0	0	0	0	0
6 Other GFE	0	0	0	0	0	0	0	0
7 Rec Flyaway ECO	0	0	0	0	0	0	0	0
8 Rec Flyaway Cost	0	0	0	0	0	0	0	0
9 Non-Recur Cost	0	0	0	0	0	0	0	0
10 Ancillary Equip	0	0	0	0	0	0	0	0
11								
12 Total Flyaway	0	0	0	0	0	0	0	0
13 Airframe PGSE		0		0		0		0
14 Engine PGSE		0		0		0		0
15 Avionics PGSE		0		0		0		0
16 Pec Trng Eq		729,000		0		0		0
17 Pub/Tech Eq		3,575,000		0		0		0
18 Fac Mgmt/Fld Act		355,000		0		0		0
19 ILS/Rel Dem		0		0		0		0
20 Support Cost		8,377,000		0		0		0
21 Support Cost		0		0		0		0
22 Gross P-1 Cost		13,036,000		0		0		0
23 Adv Proc Credit		0		0		0		0
24 Net P-1 Cost		13,036,000		0		0		0
25 ADV PROCUREMENT		0		0		0		0
26 WEAPON SYS COST		13,036,000		0		0		0
27 INITIAL SPARES		0		0		0		0
28 PROCUREMENT COST		13,036,000		0		0		0

P-1 SHOPPING LIST  
ITEM NO. 18 PAGE NO. 2

**CLASSIFICATION UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997																																																
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy					P-1 ITEM NOMENCLATURE AIRCRAFT SPARES																																																
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003																																													
QUANTITY																																																					
COST (In Millions)	736.472	819.929	740.214	788.388	730.226	602.762	538.807	459.437																																													
<p>APN Budget Activity 6 funds the procurement of the spare equipment and repair parts necessary to support Navy and Marine Corps aircraft procurement and operating programs.</p> <p>The initial spares requirements reflect the number, type and deployment of aircraft being procured and entering the operating program. The items being procured under the initial spares category are engines, spares for recently introduced equipment and parts which have no adequate demand history, spares to be procured from the Navy Capital Working Fund to field new weapons using peacetime operating rates, and those items being repaired and made ready for reissue during the interim support period. Funding requirements for engines and for major avionics and other outpayment with a significant unit cost qualifying as initial spares are calculated on an item-by-item basis where possible.</p> <p>The replenishment spares element of the budget is made up of: (a) the aviation outfitting support account which provides funding to procure from the Navy Capital Working Fund afloat and shore activity outfittings required to support fleet operating aircraft (in accordance with DOD memorandum dated 8 July 1986, those spares to field new weapons using peacetime operating rates are identified as initial spares in FY 1988 and subsequent), (b) replenishment spares procured at the Naval Air Systems Command headquarters to support executive mission helicopters, interservice support requirements and miscellaneous aircraft systems, and (c) a small number of non-stock funded replenishment spares.</p> <p>The following table depicts the funding profile for the spares account:</p> <table border="1"> <thead> <tr> <th></th> <th colspan="8">(\$ in thousands)</th> </tr> <tr> <th></th> <th><u>FY 1996</u></th> <th><u>FY 1997</u></th> <th><u>FY 1998</u></th> <th><u>FY 1999</u></th> <th><u>FY 2000</u></th> <th><u>FY 2001</u></th> <th><u>FY 2002</u></th> <th><u>FY 2003</u></th> </tr> </thead> <tbody> <tr> <td>INITIAL SPARES</td> <td>190,823</td> <td>345,565</td> <td>277,052</td> <td>398,929</td> <td>392,107</td> <td>339,358</td> <td>336,941</td> <td>300,292</td> </tr> <tr> <td>REPLEN SPARES</td> <td><u>545,649</u></td> <td><u>474,364</u></td> <td><u>463,162</u></td> <td><u>389,459</u></td> <td><u>338,119</u></td> <td><u>263,404</u></td> <td><u>201,866</u></td> <td><u>159,145</u></td> </tr> <tr> <td>TOTAL BA-6</td> <td>736,472</td> <td>819,929</td> <td>740,214</td> <td>788,388</td> <td>730,226</td> <td>602,762</td> <td>538,807</td> <td>459,437</td> </tr> </tbody> </table>										(\$ in thousands)									<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>	INITIAL SPARES	190,823	345,565	277,052	398,929	392,107	339,358	336,941	300,292	REPLEN SPARES	<u>545,649</u>	<u>474,364</u>	<u>463,162</u>	<u>389,459</u>	<u>338,119</u>	<u>263,404</u>	<u>201,866</u>	<u>159,145</u>	TOTAL BA-6	736,472	819,929	740,214	788,388	730,226	602,762	538,807	459,437
	(\$ in thousands)																																																				
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P-1 SHOPPING LIST

CLASSIFICATION:

**Exhibit P-18A**

(\$000)

Item	FY 1996				FY 1997				FY 1998				FY 1999			
	End Item Qty	Cost	Init. Spares Value	%	End Item Qty	Cost	Init. Spares Value	%	End Item Qty	Cost	Init. Spares Value	%	End Item Qty	Cost	Init. Spares Value	%
AV-8B REMAN	8	\$238,947	10,911	4.57%	12	\$358,877	5,076	1.41%	11	\$300,067	23,982	7.99%	12	\$334,421	24,541	7.34%
F/A-18 C/D	18	\$878,698	5,605	0.64%	6	\$273,159	9,586	3.51%								
F/A-18 E/F					12	\$2,039,761	79,965	3.92%	20	\$2,389,793	69,772	2.92%	30	\$3,013,148	111,472	3.70%
V-22					5	\$655,048	56,488	8.62%	5	\$597,085	28,806	4.82%	7	\$690,666	36,335	5.26%
SH-2			792													
E-2C	3	\$208,437	1,037	0.50%	4	\$321,223	2,007	0.62%	3	\$257,009	6,228	2.42%	4	\$304,836	17,719	5.81%
VRH													6	\$195,254	5,150	2.64%
T-45A	12	\$315,990	19,518	6.18%	12	\$286,281	21,089	7.37%	12	\$269,762	15,992	5.93%	12	\$280,212	18,741	6.69%
ROR			32,218				35,193				29,728				41,550	
TRAINING DEVICES			7,830				17,913				12,811				16,639	
CSE PARTS			7,738				3,169				4,310				4,563	
ATE/SE PARTS			1,690				196				1,068				1,514	
CASS			2,086				3,416				5,924				16,168	
MODIFICATION SPARES			101,398				111,467				78,431				104,537	
TOTAL INITIAL SPARES			190,823				345,565				277,052				398,929	

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			DATE: February 1997	
APN-7 Aircraft Support Equipment and Facilities				Common Ground Equipment				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	\$340.717	\$300.235	\$ 287.114	\$ 339.873	\$ 362.211	\$ 327.972	\$322.910	\$332.334

The Common Ground Equipment line funds procurement of Automatic Test Equipment (ATE), various aircraft systems trainers and training aids, the Consolidated Automated Support System (CASS), support equipment for the Rapid Deployment Force, mobile maintenance facilities for Marine expeditionary forces, and other aircraft ground support equipment that is either peculiar to out-of-production aircraft or common in applicability to more than one aircraft. The requiring managers responsible for these procurements and the funds presently assigned to them are as follows:

	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
Ground Support Equipment	276.599	238.870	221.106	265.581	277.825	256.996	259.746	266.583
Mobile Maintenance Facilities	6.448	0.752	7.806	7.447	5.288	5.187	5.289	5.439
Training	57.670	60.613	58.202	66.845	79.098	65.789	57.875	60.312
<b>TOTAL</b>	<b>340.717</b>	<b>300.235</b>	<b>287.114</b>	<b>339.873</b>	<b>362.211</b>	<b>327.972</b>	<b>322.910</b>	<b>332.334</b>

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			DATE: February 1997	
Aircraft Procurement, Navy BA-7				COMMON AND CASS (47C2) SUPPORT EQUIPMENT				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	276.599	238.870	221.106	265.581	277.825	256.996	259.746	266.583

The following elements comprise the Aviation Support Equipment and Consolidated Automated Support Systems Program

	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	<u>FY 2003</u>
Automatic Test Equipment	67.474	61.140	63.702	50.466	66.444	56.942	57.332	59.181
Aircraft Common SE	44.029	23.549	22.441	23.838	19.918	13.773	13.652	15.488
ICP Managed SE	12.999	10.675	9.055	7.792	4.100	4.132	4.251	4.692
Gas Turbine Compressor	21.245	1.121	1.149	42.617	39.881	36.584	36.309	34.777
Avionics SE	13.186	25.570	12.471	24.733	26.214	22.669	22.821	22.883
RDF/Maritime Prepos	1.066	1.041	1.400	1.200	1.560	1.964	2.080	2.520
HDQRS Managed SE	<u>4.636</u>	<u>6.846</u>	<u>3.726</u>	<u>4.333</u>	<u>3.600</u>	<u>3.600</u>	<u>3.720</u>	<u>4.160</u>
Sub Total	164.635	129.942	113.944	154.979	161.717	139.664	140.165	143.701
Consolidated Automated Supt Sy:	111.964	108.928	107.162	110.602	116.108	117.332	119.581	122.882
<b>Grand Tot:</b>	<b>276.599</b>	<b>238.870</b>	<b>221.106</b>	<b>265.581</b>	<b>277.825</b>	<b>256.996</b>	<b>259.746</b>	<b>266.583</b>

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

Date: Feb 1997

**APPROPRIATION / BUDGET ACTIVITY**

Aircraft Procurement, Navy BA-7

**P-1 ITEM NOMENCLATURE**

Common Ground Equipment (47C2) - Automatic Test Equipment

**FISCAL YEARS**

**FY 1996**

**FY 1997**

**FY 1998**

**FY 1999**

**FY 2000**

**FY 2001**

**FY 2002**

**FY 2003**

**QUANTITY**

**COST (in millions)**

\$ 67.474

\$ 61.140

\$ 63.702

\$ 50.466

\$ 66.444

\$ 56.942

\$ 57.332

\$ 59.181

**GENERAL PROGRAM DESCRIPTION**

This sub-line provides for the transition of current Automatic Test Equipment (ATE) Test Program Sets (TPSs) to AN/USM-636(V) Consolidated Automated Support System (CASS), and the acquisition of common ATE to meet Fleet operational requirements identified in the Fleet concurred Common Support Equipment Operational Requirements List.

**TEST PROGRAM SETS (TPSs) TRANSITION TO CASS**

TPSs are SE that consist of the hardware, software, and documentation required to automatically fault detect and isolate electronic Units Under Test (UUTs) to the defective sub-component. Existing ATE that can no longer be economically supported will be offloaded to CASS based on Fleet priorities. This budget request funds the procurement of TPSs to offload support from existing obsolete ATE to CASS, as well as support of GFE requirements for these efforts such as CASS stations in the Test Integration Facilities and UUTs. Offload projects include USM-247 VAST, ASM-614B/C ESTS, APM-438 (APS-137 Radar), USM-470(V)1 MV, High Power ATE Offload (APM-446 RSTS, APM-457, OJ-632 RFTS, OJ-615/602), USM-604 EETS, AWM-23, USM-392B DMTS, USM-629 EOTS, USM-403 HATS, USM-467 RADCOM, AAM-60, and USM-484 HTS.

**MAINTENANCE DATA PROCESSING SYSTEM (MDPS)**

The MDPS is the common SE to interface with the current aircraft standard Digital Storage Unit, the Tape Transport Module, and the future Data Storage Set. Data transferred from the aircraft to the MDPS is processed to calculate life used on engine components and the airframe fatigue life. Processed data is provided to aircraft maintainers via screens and reports.

**ATE MODIFICATION**

System modification is necessary to maintain current technology, replace obsolete and insupportable equipment, incorporate necessary reliability and maintainability improvements, and correct Fleet reported problems as a result of Engineering Investigations/Quality Deficiency Reports for out-of-production common ATE (CATE). The modification requirement is also driven by the availability of CASS stations to offload existing ATE. These requirements are to resolve current obsolescence problems in CATE that are not scheduled for offload to CASS until 2000 and beyond. Without these modifications these CATE will not remain operational because of the non-availability of replacement parts.

**P-1 SHOPPING LIST**

**CLASSIFICATION:**

DD Form 2454, JUN 86

ITEM NO.

PAGE NO.

49

3

**UNCLASSIFIED**

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				Date: Feb 1997		
Aircraft Procurement, Navy BA-7			Common Ground Equipment (47C2) - Automatic Test Equipment						
Element of Cost	IDENT CODE	(Total cost in thousands of dollars)							
		FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Maintenance Data Processing System	A	4	232	4	244	4	244	4	244
Nonrecurring Cost			<u>300</u>		<u>300</u>		<u>300</u>		<u>300</u>
<b>Subtotal</b>			532		544		544		544
2. TPS Transition to CASS	A		51,782		47,661		49,395		36,358
3. ILS	N/A		0		0		0		0
4. Production Support	N/A		13,597		12,435		13,263		13,264
5. ATE Modification	N/A		<u>1,563</u>		<u>500</u>		<u>500</u>		<u>300</u>
<b>Grand Total</b>			<b>67,474</b>		<b>61,140</b>		<b>63,702</b>		<b>50,466</b>

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET HISTORY PLANNING**

**APPROPRIATION / BUDGET ACTIVITY**

**C. P-1 ITEM NOMENCLATURE**

Date: Feb 1997

Aircraft Procurement, Navy BA-7

Common Ground Equipment (47C2) - Automatic Test Equipment

LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
<b>1. Maintenance Data Processing System</b>										
FY-96	NAWCADIND Indianapolis, IN	PO	NAVAIR	7/1/96	3/1/97	4	58.0	Yes	No	
FY-97	Hughes Corp	PID	NAWCADLKE	3/1/97	12/31/97	4	61.0	Yes	No	
FY-98	Hughes Corp	PID	NAWCADLKE	3/1/98	12/31/98	4	61.0	Yes	No	
FY-99	Hughes Corp	PID	NAWCADLKE	3/1/99	12/31/99	4	61.0	Yes	No	

**REMARKS:**

P-1 SHOPPING LIST

CLASSIFICATION:

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

<b>Appropriation/Budget Activity</b> Aircraft Procurement, Navy BA-7					<b>P-1 Item Nomenclature</b> Common Ground Equipment (47C2) - Automatic Test Equipment			Date: Feb 1997	
<b>Item</b>	Total IO Reqmt	Quantity On Hand And Not In Use	Quantity In Use	Quantity Due in w/FY 96 & Prior Funds	Quantity Due in w/FY 97 Prog Fund	Planned Bdgt Year FY 98 Procurement	Planned Bdgt Year FY 99 Procurement	Balance	Phasing Rationale
1. Maintenance Data Processing System	207	0	10	178	4	4	4	7	Outfitting Requirements
2.									
3.									
4.									
5.									

MEMO ENTRIES

ITEM #1	ITEM #2	ITEM #3	ITEM #4	ITEM #5
CV's 12 NAS 195				
<b>Total 207</b>				

P-1 SHOPPING LIST

CLASSIFICATION:

## BUDGET ITEM JUSTIFICATION SHEET

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			<b>DATE:</b> February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7				COMMON GROUND EQUIPMENT - (47C2) CONSOLIDATED AUTOMATED SUPPORT SYSTEM				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>	44	44	41	50	53	61	47	48
<b>COST (in millions)</b>	\$111.964	\$108.928	\$107.162	\$110.602	\$116.108	117.332	\$119.581	\$122.882

Program Coverage: This budget funds the procurement of computer assisted, multi-functional Automated Test Equipment based on standardized hardware and software elements. The Consolidated Automated Support System (CASS) design incorporates easily reconfigurable modules which can address varying test requirements (i.e., electro-optical, radio frequency, laser, infrared, inertial guidance, etc.) and also permits modifications to meet the demands of future technologies.

Justification: The CASS program increases weapon system material readiness, reduces life cycle costs through standardization, improves tester sustainability at depot and intermediate maintenance levels, and provides Navy-wide test capability for existing and future avionics systems. CASS increases repair facility throughput capability, reduces spare parts and personnel training requirements, and significantly reduces the space required for avionics testing aboard space critical aircraft carriers.

Current and budget year requirements (FY 97 and 98/99) are needed for CASS introduction in support of the following new and transitioning systems:  
 New: AMRAAM, AN/ALQ-126B SRAs, T-45 TS, JTIDS WRAs, ATARS, AV-8B II+, E-2C AN/ASW-50, EA-6B UEU, F-14 B/D  
 COMMON, HARM, T-45 TS, AN/ALE-50, F-18 E/F, F-18 E/F FADEC, F-18 SMS, MV-22, SH-60B ALFS, SHIPBOARD CEC.

Also pursuing several CLASS I ECPs generated thru the CASS P3I program to permit systematic insertion of new technology into the CASS to meet advances in weapon system avionics and testing technology.

P-1 SHOPPING LIST

CLASSIFICATION:

DD Form 2454, JUN 86

ITEM NO.

PAGE NO.

49

7

UNCLASSIFIED

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature (47C2) DATE: FEB 97						
AIRCRAFT PROCUREMENT, NAVY/ BA-7			CONSOLIDATED AUTOMATED SUPPORT SYSTEMS						
Element of Cost	IDENT CODE	(Total cost in thousands of dollars)							
		FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
CONSOLIDATED AUTOMATED SUPPORT SYSTEMS (CASS)	A								
Hardware Costs		44	51,956	44	55,089	41	49,867	50	63,419
EOSS+		9	18,921	6	12,460	9	18,616	9	18,596
Ancillary Equipment			720		909		500		500
Contractor Management			1,574		1,600		1,124		1,091
Common Test Set			4,622		5,492		0		0
ECP			4,943		1,428		2,055		1,544
ROLLAWAY COSTS			82,736		76,978		72,162		85,150
Support Costs:									
ILS			17,175		20,786		18,470		14,120
Support-of-support TPS			0		0		4,702		0
Equipment Installation Cost			5,322		4,684		5,386		5,236
Production Support			6,731		6,480		6,442		6,096
TOTAL SUPPORT			29,228		31,950		35,000		25,452
SYSTEM COST			111,964		108,928		107,162		110,602

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature (47C2) DATE: FEB 97						
AIRCRAFT PROCUREMENT, NAVY/ BA-7			CONSOLIDATED AUTOMATED SUPPORT SYSTEMS						
Element of Cost	IDENT CODE	(Total cost in thousands of dollars)							
		FY 2000		FY 2001		FY 2002		FY 2003	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
CONSOLIDATED AUTOMATED SUPPORT SYSTEMS (CASS)	A								
Hardware Costs		53	65,728	61	76,332	47	61,301	48	60,705
EOSS+		5	9,898	4	8,064	3	6,166	3	6,291
Ancillary Equipment			217		115		1,500		1,500
Contractor Management			1,115		1,140		1,165		1,191
ECP			1,600		1,600		3,200		5,000
ROLLAWAY COSTS			78,558		87,251		73,332		74,687
Support Costs:									
ILS			20,548		17,018		28,005		30,547
Support-of-support TPS			2,752		0		4,772		4,889
Equipment Installation Cost			7,438		6,052		5,898		5,018
Production Support			6,812		7,011		7,574		7,741
TOTAL SUPPORT			37,550		30,081		46,249		48,195
SYSTEM COST			116,108		117,332		119,581		122,882

P-1 SHOPPING LIST

CLASSIFICATION:

## BUDGET HISTORY PLANNING

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE (47C2)							
Aircraft Procurement Navy/BA-7			Consolidated Automated Support Systems-- Common Ground Equipment							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K) (1)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
LOT 6--1996	Lockheed Martin Orlando, FL	C/FFP OPT	NAVAIR	5/96	7/97	44	1,610	YES	NO	
LOT 7--1997	Lockheed Martin Orlando, FL	FFP OPT	NAVAIR	2/97	7/98	44	1,535	YES	NO	
LOT 8--1998	Lockheed Martin Orlando, FL	FFP OPT	NAVAIR	2/98	7/99	41	1,670	YES	NO	
LOT 9--1999	Lockheed Martin Orlando, FL	FFP OPT	NAVAIR	2/99	7/00	50	1,640	YES	NO	

**REMARKS:**  
 (1) REFLECTS AN "AVERAGE" UNIT COST FOR THE FISCAL YEAR PURCHASE. THE AVERAGES ARE DEPENDENT ON CONFIGURATION COSTS/QUANTITIE BEING PROCURED IN THE LOT BUY.

P-1 SHOPPING LIST

CLASSIFICATION:





**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

Appropriation/Budget Activity AIRCRAFT PROCUREMENT--BA-7					P-1 Item Nomenclature CONSOLIDATED AUTOMATED SUPPORT SYSTEMS					(47C2) 16 SEP 96
Item	Total IO Reqmt	Quantity On Hand And Not In Use	Qty In Use	Quantity Due in Q/FY 96 & Prior Funds	Qty Due In W/FY 97 Prog Fund	Planned Bdgt YR Procmt FY 98	Planned Bdgt YR Procmt FY 99	Balance	Phasing Rationale	
1. CASS STATIONS	688	-0-	235	109	44	41	50	208	Delivery Requirements	
2.								0		
3.								0		
4.								0		
5.								0		
6.								0		
7.								0		
8.								0		
9.								0		
MEMO ENTRIES										
ITEM #1 FY-1996	ITEM #2 FY-1997	ITEM #3 FY-1998	ITEM #4 FY-1999	ITEM #5						
TPS DEVELOPERS 2	TPS DEVELOPERS 2	TPS DEVELOPERS 1	TPS DEVELOPERS 1							
OPER SITES 42	OPER SITES 42	OPER SITES 40	OPER SITES 49							
TOTAL 44	TOTAL 44	TOTAL 41	TOTAL 50							
ITEM #6	ITEM #7	ITEM #8	ITEM #9	ITEM #10						

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>			<b>P-1 ITEM NOMENCLATURE</b>				DATE: February 1997	
<b>47C2 -- AIRCRAFT PROCUREMENT, NAVY/BA-7</b>			<b>COMMON GROUND SUPPORT EQUIPMENT(47C2)</b>					
			<b>A/C COMMON SUPPORT EQUIPMENT</b>					
	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>Quantity</b>								
<b>Cost (In millions)</b>	44.029	23.549	22.441	23.838	19.918	13.773	13.652	15.488

General Program Description  
 This budget sub-line provides for the acquisition of Support Equipment (SE) end items under the inventory and technical management of NAVAIR. These SE end items are required for ground testing, handling, and maintenance of aircraft and their systems. Examples of SE items acquired under this budget line item include aircraft propulsion test systems, mobile air conditioners and generators and aircraft handling equipment.

A comprehensive acquisition plan has been developed for each SE end item to: (1) ensure that the equipment is ready for procurement early in the budget year; (2) determine the specific type of procurement action to be initiated (multi-year, etc.); (3) verify the inventory objective, and (4) ensure the consideration of required integrated logistic support elements.

The Aircraft Ground SE Requirements List provided is the minimum constrained list of requirements. SE acquisition and inventory managers have thoroughly scrubbed this list to ensure the requirements represent critical Fleet needs for the specific equipment. Fleet maintenance personnel have participated in the determination of requirements to ensure that highest priority Fleet needs are identified.

The SE which will be procured to meet operational requirements falls into one of the following categories:

- a. SE which is the direct result of a RDT&E effort (those items required to support advanced aircraft systems.)
- b. SE required in additional quantities to meet outfitting shortages.
- c. Improved versions of current SE required to support expanded airborne equipment capabilities or advanced airborne equipment (electrical servicing equipment, ground air conditioners, etc.)
- d. Major modifications of existing SE (e.g., Mid Range Tow Tractor Update).
- e. SE required to improve the capability of the Fleet and/or to improve safety (aircraft towing equipment, non-destructive inspection equipment, etc.)
- f. Priority procurements as identified by Fleet activities.

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT (47C2) A/C COMMON SUPPORT EQUIPMENT						
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. TEST CELL FABRICATION	A		2,400		2,400		2,400		2,400
2. HCT STAND REPLACEMENT	A	30	5,677	30	5,677				
3. MID RANGE TRACTOR, SHIP	A	97	6,113						
4. LACIS	A					42	2025	42	2025
5. VIBRATION TEST SET ECP	B					24	218	137	1240
Non-recurring cost							1022		0
ILS							0		0
TOTAL							1240		1240
(RDT&E,N - P.E. 0205633N, W0601)									
6. ILS AIRFRAMES	A		380		200		445		200

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT (47C2) A/C COMMON SUPPORT EQUIPMENT						
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
7. CSE MODIFICATION	A		985		445		445		200
8. FLOODLIGHT SET	A	150	2,400			150	2,400	150	2,400
9. NC2-CILOP	A		0	35	2,172	49	3,000		
10. EQUIPMENT INSTALLATION Non-recurring cost	A		1,373		800		850		400
11. STANDARD ENGINE TEST SYSTEM	A							3	3,000
12. AIRCRAFT AND LIQUID OXYGEN CON	A	200	1,440						
13. GENERATOR TEST STAND T-15 (RDT&E,N P.E. 0205633N, W0601)	B					10	2,000	23	4,600

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				Date: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT (47C2) A/C COMMON SUPPORT EQUIPMENT						
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
14. SPECTROMETER	A	25	1,357						
15. NOAP (NVIFLASH TEST SET)	A			50	720				
16. COOLANT RECYCLER	A	37	72						
17. TANK STORAGE	A			45	258				
18. HANGER DECK CRANE	A	114	1,294					87	993
19. PARTICLE COUNTER	A	85	768						
20. CRASH CRANE ECP	A	28	4,703						
21. X-RAY APPARATUS, RAD (RDT&E,N P.E. 0205633N, W0601)	B			52	785				

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT A/C COMMON SUPPORT EQUIPMENT						
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
22. PRIOR YEAR ISSUES			2,475						
23. FUEL CELL & VENTILATING REPAIR	A	300	1,540						
24. O LEVEL ENGINE TEST SYSTEM	A	50	380						
25. LOAD BANK	A	32	160						
26. SHORE BASED DEICER	A			25	2,685				
27. PARTS WASHER , LARGE	A	61	772						
28. ULTRASONIC UNIT, NDI	A	120	955	75	597				
29. PRODUCTION SUPPORT			8,785		6,810		7,636		6,380
GRAND TOTAL			44,029		23,549		22,441		23,838

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET HISTORY PLANNING**

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - A/C					COMMON SUPPORT EQUIPMENT		
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
2. HCT STAND REPLACEMENT										
FY 1996	DAYTON T BROWN, LI NY	C/FFP OPT	NAWCADLKE	7/96	7/97	30	189.2	YES	NO	
FY 1997	DAYTON T BROWN, LI NY	OPTION	NAWCADLKE	1/97	1/98	30	189.2	YES	NO	
3. MID RANGE TRACTOR, SHIP										
FY 1996	NADEP CHERRY PT	CILOP/PO	NAWCADLKE	11/95	2/96	97	63.0	YES	NO	
4. LACIS										
FY 1998	TBD	C/FFP	AF MIPR	1/98	1/99	42	48.2	YES	NO	
FY 1999	TBD	C/FFP OPT	AF MIPR	1/99	1/00	42	48.2	YES	NO	
5. VIBRATION TEST SET ECP										
FY 1998		C/FFP	NAWCADLKE	1/98	1/99	24	9.1	YES	NO	
FY 1999		C/FFP OPT	NAWCADLKE	1/99	1/00	137	9.1	YES	NO	

**REMARKS:**

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET HISTORY PLANNING**

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
8. FLOODLIGHT SET										
FY 1996	DYNCORP, SOLOMONS MD	C/FFP	AF MIPR	1/96	4/96	150	16.0	YES	NO	
FY 1998	DYNCORP, SOLOMONS MD	OPTION	AF MIPR	1/98	4/99	150	16.0	YES	NO	
FY 1999	DYNCORP, SOLOMONS MD	OPTION	AF MIPR	1/99	4/00	150	16.0	YES	NO	
9. NC2-CIOP										
FY 1997	TBD	CIOP	NAWCADLKE	1/97	1/98	35	62.1	YES	NO	
FY 1998	TBD	CIOP	NAWCADLKE	1/98	1/99	49	61.2	YES	NO	
11. STANDARD ENGINE TEST SYSTEM										
FY 1999	TBD	C/FFP	NAWCADLKE	1/99	7/00	3	1000.0	YES	NO	
12. AIRCRAFT AND LIQUID OXYGEN CONVE										
FY 1996	PCI, ORANGE, CA	C/FFP	NAWCADLKE	4/96	4/97	200	7.2	YES	NO	
13. GENERATOR TEST STAND T-15										
FY 1998	TBD	C/FFP	NAWCADLKE	1/98	1/99	10	200.0	YES	NO	
FY 1999	TBD	C/FFP OPT	NAWCADLKE	1/99	1/00	23	200.0	YES	NO	

**REMARKS:**

**BUDGET HISTORY PLANNING**

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQD?	IF YES WHEN AVAIL?
14. SPECTROMETER FY 1996	SPECTRO, NEW CANAAN, CONN	OPTION	AF MIPR	1/96	6/96	25	54.3	YES	NO	
15. NOAP (NVIFLASH TEST SET) FY 1997	TBD	C/FFP	NAWCADLKE	1/97	1/98	50	14.4	YES	NO	
16. COOLANT RECYCLER FY 1996	Enpro Parish, NY	C/FFP	NAWCADLKE	8/96	11/97	37	1.9	YES	NO	
17. TANK STORAGE FY 1997	TBD	C/FFP	NAWCADLKE	1/97	1/98	45	5.7	YES	NO	
18. HANGER DECK CRANE FY 1996	Regent Jack, Los Angeles CA	C/FFP	AF MIPR	7/96	7/97	114	11.4	YES	NO	
FY 1999	Regent Jack, Los Angeles CA	OPTION	AF MIPR	1/99	4/00	87	11.4	YES	NO	
19. PARTICLE COUNTER FY 1996	VCC INC, CANTON MI	OPTION	NAWCADLKE	2/96	8/96	85	9.0	YES	NO	

**REMARKS:**

P-1 SHOPPING LIST

CLASSIFICATION:

## BUDGET HISTORY PLANNING

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
20. CRASH CRANE ECP FY 1996	LAKE SHORE, IRON MT, MI	SS/FFP	NAWCADLKE	1/96	9/96	28	168.0	YES	NO	
21. X-RAY APPARATUS, RAD FY 1997	TBD	C/FFP	ARMY MIPR	2/97	7/98	52	15.1	YES	NO	
23. FUEL CELL & VENTILATING REPAIR FY 1996	Rhine Air, San Diego CA	C/FFP	NAWCADLKE	7/96	6/97	300	5.1	YES	NO	
24. O LEVEL ENGINE TEST SYSTEM FY 1996	DYNCORP, SOLOMONS MD	C/FFP	AF MIPR	7/96	8/97	50	7.6	YES	NO	
25. LOAD BANK FY 1996	SiMplex Inc., Springfield IL	C/FFP	NAWCADLKE	7/96	7/97	32	5.0	YES	NO	
26. SHORE BASED DEICER FY 1997	TBD	C/FFP	NAWCADLKE	2/97	2/98	25	107.4	YES	NO	
27. PARTS WASHER , LARGE FY 1996	BETTER ENGINRG, BALT, MD	C/FFP	NAWCADLKE	3/96	9/96	61	12.7	YES	NO	
28. ULTRASONIC UNIT, NDI FY 1996	Krautkramer Branson, Lewistown PA	C/FFP	NAWCADLKE	7/96	7/97	120	8.0	YES	NO	
FY 1997	TBD	C/FFP	NAWCADLKE	1/97	1/98	75	8.0	YES	NO	

**REMARKS:**

P-1 SHOPPING LIST

CLASSIFICATION:

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

Appropriation/Budget Activity AIRCRAFT PROCUREMENT, NAVY/BA-7			P-1 Item Nomenclature COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT				DATE: February 1997		
Item	Total IO Reqmt	Quantity On Hand And Not In Use	Qty In Use	Quantity Due in Q/FY 96 & Prior Funds	Qty Due In W/FY 97 Prog Fund	Planned Bdgt YR Procmt FY 98	Planned Bdgt YR Procmt FY 99	Balance	Phasing Rationale
2. HCT STAND REPLACEMENT	64	0	4	30	30	0	0	0	
3. MID RANGE TRACTOR, SHIP	279	0	182	97	0	0	0	0	
4. LACIS	87	0	0	3	0	42	42	0	
5. VIBRATION TEST SET ECP	646	0	0	0	0	24	137	485	
8. FLOODLIGHT SET	600	0	0	150	0	150	150	150	
9. NC2-CIOP	102	0	4	0	35	49	0	14	
11. STANDARD ENGINE TEST SYSTEM	80	0	2	1	0	0	3	74	
12. AIRCRAFT AND LIQUID OXYGEN CON	200	0	0	200	0	0	0	0	

MEMO ENTRIES

ITEM #2	ITEM #3	ITEM #4	ITEM #6	ITEM #9
AIRLANT 18	CV/CVN 168	AIRLANT 37	AIRLANT 250	AIRLANT 250
AIRPAC 18	LHA 35	AIRPAC 35	AIRPAC 250	AIRPAC 250
NAVRES 4	LHD 35	NAVRES 4	NAVRES 144	NAVRES 50
NAMTRA 2	LPH 14	NAMTRA 5	NADOC/NAI 2	NAMTRA 25
CV/CVN 12	LPD 13	NAMO 6		NAMO 25
LHA/LPD/LHD 10	NAMTRA 14			
<u>64</u>	<u>279</u>	<u>87</u>	<u>646</u>	<u>600</u>
ITEM #10	ITEM #12	ITEM #13		
AIRLANT 50	AIRPAC 35	AIRLANT 84		
AIRPAC 50	AIRLANT 35	AIRPAC 92		
NAMTRA 2	NAVRES 5	NAVRES 12		
	NAMTRA 3	NAMTRA 7		
	NAMO 2	NAMO 5		
<u>102</u>	<u>80</u>	<u>200</u>		

P-1 SHOPPING LIST

CLASSIFICATION:

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

<b>Appropriation/Budget Activity</b> AIRCRAFT PROCUREMENT, NAVY/BA-7	<b>P-1 Item Nomenclature</b> COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT	DATE: February 1997
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Item	Total IO Reqmt	Quantity On Hand And Not In Use	Qty In Use	Quantity Due in Q/FY 96 & Prior Funds	Qty Due In W/FY 97 Prog Fund	Planned Bdgt YR Procmnt FY 98	Planned Bdgt YR Procmnt FY 99	Balance	Phasing Rationale
13. GENERATOR TEST STAND T-15	33	0	0	0	0	10	23	0	
145. SPECTROMETER	50	0	25	25	0	0	0	0	
15. NOAP (NVIFLASH TEST SET)	50	0	0	0	50	0	0	0	
16. COOLANT RECYCLER	106	0	0	106	0	0	0	0	
17. TANK STORAGE	45	0	0	0	45	0	0	0	
18. HANGER DECK CRANE	289	0	0	114	0	0	87	88	
19. PARTICLE COUNTER	101	0	16	85	0	0	0	0	
20. CRASH CRANE ECP	30	0	2	28	0	0	0	0	
21. X-RAY APPARATUS, RAD	52	0	0	0	52	0	0	0	
23. FUEL CELL & VENTILATING REPAIR	300	0	0	300	0	0	0	0	

MEMO ENTRIES

ITEM #14 AIRLANT 12 AIRPAC 11 NAVRES 4 NAMTRA 3 NAMO 3 <hr/> 33	ITEM #15 AIRLANT 24 AIRPAC 21 NAMTRA 5 <hr/> 50	ITEM #16 AIRLANT 24 AIRPAC 21 NAMTRA 5 <hr/> 50	ITEM #17 AIRLANT 47 AIRPAC 46 NAVRES 5 NAMTRA 5 NAMO 3 <hr/> 106	ITEM #18 AIRLANT 23 AIRPAC 22 <hr/> 45
ITEM #19 AIRLANT 149 AIRPAC 138 NAMTRA 2 <hr/> 289	ITEM #20 AIRLANT 42 AIRPAC 42 NAVRES 5 NAMTRA 5 NAMO 7 <hr/> 101	ITEM #21 AIRLANT 15 AIRPAC 14 NAMO 1 <hr/> 30	ITEM #22 AIRLANT 22 AIRPAC 20 NAVRES 10 <hr/> 52	ITEM #24 AIRLANT 132 AIRPAC 132 NAVRES 16 NAMTRA 12 NAMO 8 <hr/> 300

P-1 SHOPPING LIST

CLASSIFICATION:

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

Appropriation/Budget Activity			P-1 Item Nomenclature					DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - A/C COMMON SUPPORT EQUIPMENT						
Item	Total IO Reqmt	Quantity On Hand And Not In Use	Qty In Use	Quantity Due in Q/FY 96 & Prior Funds	Qty Due In W/FY 97 Prog Fund	Planned Bdgt YR Procmt FY 98	Planned Bdgt YR Procmt FY 99	Balance	Phasing Rationale
24. O LEVEL ENGINE TEST SYSTEM	74	0	0	50	0	0	0	24	
25. LOAD BANK	32	0	0	32	0	0	0	0	
26. SHORE BASED DEICER	25	0	0	0	25	0	0	0	
27. PARTS WASHER , LARGE	61	0	0	61	0	0	0	0	
28. ULTRASONIC UNIT, NDI	244	0	0	120	75	0	0	49	

MEMO ENTRIES

ITEM #25	ITEM #26	ITEM #27	ITEM #28	ITEM #29
AIRLANT 34	AIRLANT 16	AIRLANT 12	AIRLANT 25	AIRLANT 110
AIRPAC 34	AIRPAC 16	AIRPAC 10	AIRPAC 25	AIRPAC 110
NAMTRA 4		NAVRES 1	NAVRES 4	NAVRES 5
NAMO 2		NAMTRA 2	NAMTRA 2	NAMTRA 11
			NADOC 3	NAMO 8
			NAMO 2	
<u>74</u>	<u>32</u>	<u>25</u>	<u>61</u>	<u>244</u>

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7				COMMON GROUND EQUIPMENT (47C2) - ICP MANAGED SE				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	12.999	10.675	9.055	7.792	4.100	4.132	4.251	4.692

General Program Description

This budget sub-line funds the procurement of end items of Peculiar Support Equipment for out-of-production weapon systems and all Common Support Equipment (CSE) under the budget, procurement and inventory control of the Naval Inventory Control Point (NAVICP). PSE and CSE end items are normally introduced into the Fleet through NAVAIR development and initial procurement. When design is stabilized and procurement packages are available, the items then migrate to NAVICP management and are funded under this subline. The NAVICP currently manages over 11,000 individual repairable SE end items. This subline also funds outfitting of new construction ships.

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity		P-1 Item Nomenclature				DATE: February 1997			
AIRCRAFT PROCUREMENT, NAVY BA/7		COMMON GROUND EQUIPMENT(47C2) - ICP MANAGED SE							
Element of Cost	IDENT CODE	(Total cost in thousands of dollars)							
		FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. Additional CSE for initial outfitting of sites due to: (a) intro of weapon systems and (b) baseloading changes for existing weapon systems/subsystems.			\$ 4,484		\$ 4,026		\$ 2,959		\$ 2,621
2. Additional PSE for initial outfitting of sites due to baseloading changes for out-of-production weapon systems and subsystems.			\$ 1,185		\$ 880		\$ 649		\$ 484
3. New SE required for replenishment of existing SE due to obsolesence and attrition.			\$ 1,399		\$ 1,011		\$ 931		\$ 716
4. Additional SE resulting from allowance increases determined to be required by actual fleet operating experience.			\$ 1,241		\$ 952		\$ 809		\$ 644
5. Aviation general purpose electronic test equipment for initial site outfitting.			\$ 850		\$ 661		\$ 586		\$ 521
6. SE in support of reserve.			\$ 1,165		\$ 770		\$ 746		\$ 681
7. SE for training command.			\$ 75		\$ 75		\$ 75		\$ 75
8. Production support.			\$ 2,600		\$ 2,300		\$ 2,300		\$ 2,050
<u>TOTAL</u>			\$ 12,999		\$ 10,675		\$ 9,055		\$ 7,792

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			<b>DATE:</b> February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7				COMMON GROUND EQUIPMENT(47C2) - GAS TURBINE COMPRESSOR				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	\$ 21.245	\$ 1.121	\$ 1.149	\$ 42.617	\$ 39.881	\$ 36.584	\$ 36.309	\$ 34.777

General Program Description

The Gas Turbine Compressor line item provides for the replacement of old mobile airstart units at all Navy/Marine Corps activities with more reliable, easily maintained airstart units. These units provide compressed air for starting main aircraft engines. The new units will satisfy all the Navy's airstart requirements and will be used at 60 shorebased activities and aboard all CV's. Existing airstart assets which were designed and procured in the 1950's and early 1960's are incapable of meeting the support requirements of the 1990's and beyond.

P-1 SHOPPING LIST

CLASSIFICATION:

Weapon System Cost Analysis									
Appropriation/Budget Activity				P-1 Item Nomenclature				DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7				COMMON GROUND EQUIPMENT(47C2) - GAS TURBINE COMPRESSOR					
Element of Cost	IDENT CODE	FY 1996		(Total cost in thousands of dollars)					
		Qty	Total Cost	FY 1997		FY 1998		FY 1999	
				Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. A/U47A JASU	A	6	2,857		0	0	0	80	38,096
Non-recurring cost			15,339		0		0		0
ILS			2,000		0		0		1,200
Peculiar Support Equipment			0		0		0		2,172
SUB TOTAL			20,196		0		0		41,468
2. PRODUCTION SUPPORT			<u>1,049</u>		<u>1,121</u>		<u>1,149</u>		<u>1,149</u>
GRAND TOTAL			21,245		1,121		1,149		42,617

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET HISTORY PLANNING**

<b>APPROPRIATION / BUDGET ACTIVITY</b> AIRCRAFT PROCUREMENT, NAVY/BA-7	<b>C. P-1 ITEM NOMENCLATURE</b> COMMON GROUND EQUIPMENT(47C2) - GAS TURBINE COMPRESSOR	DATE: February 1997
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LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQD?	IF YES WHEN AVAIL?
1. A/U47A JASU FY1996 1999	Allied Signal, Phoenix Az	CFFP/OPT	NAWC AD LKE	8/96	8/97	6	476.2	YES	NO	
		OPT	NAWCAD LKE	11/98	1/00	80	476.2	YES	NO	

**REMARKS:**

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

<b>Appropriation/Budget Activity</b> AIRCRAFT PROCUREMENT, NAVY/BA-7	<b>P-1 Item Nomenclature</b> COMMON GROUND EQUIPMENT(47C2) - GAS TURBINE COMPRESSOR	<b>DATE:</b> February 1997
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<b>ITEM</b>	<b>Total IO Reqmt</b>	<b>Quantity On Hand And Not In Use</b>	<b>Qty In Use</b>	<b>Quantity Due in Q/FY 96 &amp; Prior Funds</b>	<b>Qty Due In W/FY 97 Prog Fund</b>	<b>Planned Bdgt YR Procmt FY 98</b>	<b>Planned Bdgt YR Procmt FY 99</b>	<b>Balance</b>	<b>Phasing Rationale</b>
1. A/U47A JASU	650	0	4	6	0	0	80	560	
2.									
3.									
4.									
5.									
6.									
7.									
8.									
9.									
10.									

**MEMO ENTRIES**

<b>ITEM #1</b> AIRLANT/PAC 408 NAVRES 65 CV 124 TRAINING 3 NAVAIRDET ACC 50 TOTAL 650	<b>ITEM #2</b>	<b>ITEM #3</b>	<b>ITEM #4</b>	<b>ITEM #5</b>
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<b>ITEM #6</b>	<b>ITEM #7</b>	<b>ITEM #8</b>	<b>ITEM #9</b>	<b>ITEM #10</b>
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P-1 SHOPPING LIST

CLASSIFICATION:

## BUDGET ITEM JUSTIFICATION SHEET

<b>APPROPRIATION / BUDGET ACTIVITY</b> AIRCRAFT PROCUREMENT, NAVY/BA-7				<b>P-1 ITEM NOMENCLATURE</b> COMMON GROUND EQUIPMENT - AVIONICS SUPPORT EQUIPMENT			DATE: February 1997	
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	\$ 13.186	\$ 25.570	\$ 12.471	\$ 24.733	\$ 26.214	\$ 22.669	\$ 22.821	\$ 22.883

This budget sub-line procures common Avionics Support Equipment (ASE) items which are too complex technically to be transitioned to the inventory control point for acquisition. The ASE included in this sub-line is managed by NAVAIR Headquarters and supported through the Naval Inventory Control Point. The following acquisitions are planned:

A/E37T-35 Common Rack and Launcher Test Set - Intermediate maintenance tester that will provide the capability to fault diagnose and repair uninstalled bomb racks and missile launchers.

Rapid Reprogramming Terminal - Common, portable "O" and "I" level memory loader verifier required to load tactical software for multiple avionics systems.

NDI Pressure Temperature Test Set - Portable tester designed for both flight line and intermediate maintenance use for checking performance characteristics of aircraft airspeed, altimeter and other air data systems. Will replace existing TTU-205 C/E Test Sets.

Joint Service Electronic Combat Systems Tester (JSECST) - Organizational level reprogrammable electronic combat (EC) systems tester that provides status and fault diagnostics for maintenance and repair of aircraft EC systems. This program is a joint effort with the USAF.

Surface Mount Technology Repair Station - Intermediate maintenance level support equipment required to remove and replace circuit card integrated components that are surface mounted.

IFF Interrogator/Transponder Test Set - Organizational level test set required to verify the operational status of IFF interrogators and transponders. Will replace the AN/APM-378 Test Set which has obsolete components and is not suitable for testing Mode 4. In addition, the obsolete AN/APM-424 and AN/APM-349 test sets will be replaced by this test set.

PRC-2000 Solder Station - Micro Miniature Soldering Station consisting of a handheld soldering device required to remove and replace electrical components from circuit cards. Will replace existing repair station that has obsolete components and has caused damage to circuit cards due to lack of electro-static discharge protection and lack of temperature control capability.

Cable Harness Repair Support Equipment - Required for intermediate level repair of aircraft and support equipment (SE) wiring harnesses. "Fly by wire" technology, EW, and SE EMI shielded repairs cannot be performed with current equipment. Additionally, pneumatic assist tools are necessary for repairs of repetitive volume. This equipment consists of a pneumatic crimping tool, pneumatic wire stripper, wire processor, braiding machine, cable marker/etcher, and connector repair information. This equipment is compatible with the previously procured Aircraft Wiring I Level Tool Sets and meets current technology requirements for aircraft and SE wiring repairs.

ASE Modification - Required to maintain technology currency, enhance support, adjust workload and incorporate necessary reliability and maintainability improvements for out of production items of ASE.

Production Support - Effort necessary to control, monitor, review, and direct the technical and production aspects of the ASE program.

P-1 SHOPPING LIST

CLASSIFICATION:

Weapon System Cost Analysis									
Appropriation/Budget Activity					P-1 Item Nomenclature			DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7					COMMON GROUND EQUIPMENT - AVIONICS SUPPORT EQUIPMENT				
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. COMMON RACK & LAUNCHER TEST SET	A	90	5,820	68	5,400				
2. RAPID REPROGRAMMING TERMINAL	A	100	1,722	66	1,220	80	1,600	51	1,000
3. NDI PRESSURE TEMP TEST SET	B	N/A	0	240	8,400	120	4,202	240	8,400
Non-recurring cost			160		170		0		0
ILS			0		381		0		0
TOTAL			160		8,951		4,202		8,400
(RDT&E,N P.E. 0205633N, W0601)									
4. JOINT SERV ELECT COMBAT SYS TESTER	B							37	8,557
5. SURFACE MT TECHNOLOGY REPAIR STATION	A			68	4,100				
6. IFF INTERROGATOR/TRANSPONDER T/S	B			3	104	145	2,612	152	2,736
Non-recurring cost					545		0		0
ILS					351		0		0
TOTAL					1,000		2,612		2,736
(RDT&E,N P.E. 0205633N, W0601)									
7. PRC-2000 SOLDER STATION	A			333	1,195				
8. CABLE HARNESS REPAIR SUPPORT EQUIPMENT	A			N/A	230	N/A	448		440
9. ASE MODIFICATION		N/A	905	N/A	71	N/A			
10. PRODUCTION SUPPORT		N/A	4,579	N/A	3,403	N/A	3,609	N/A	3,600
GRAND TOTAL			13,186		25,570		12,471		24,733

P-1 SHOPPING LIST

CLASSIFICATION:

## BUDGET HISTORY PLANNING

APPROPRIATION / BUDGET ACTIVITY			C. P-1 ITEM NOMENCLATURE					DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY/BA-7			COMMON GROUND EQUIPMENT - AVIONICS SUPPORT EQUIPMENT							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
<b>1. COMMON RACK &amp; LAUNCHER T/S</b>										
FY-96	METRIC SYS/FT WALT BEACH FL	C/FFP OPT.	NAWCAD IND	4/96	4/97	90	64.7	YES	NO	
FY-97	METRIC SYS/FT WALT BEACH FL	C/FFP OPT.	NAWCAD IND	2/97	2/98	68	79.4	YES	NO	
<b>2. RAPID REPROGRAMMING TERMINAL</b>										
FY-96	MTI/FT WALT BEACH FL	SS/FFP OPT.	NAVAIR	7/96	7/97	100	17.2	YES	NO	
FY-97	MTI/FT WALT BEACH FL	SS/FFP OPT.	NAVAIR	1/97	1/98	66	18.5	YES	NO	
FY-98	TBD	C/FFP	NAVAIR	2/98	2/99	80	20.0	YES	NO	
FY-99	TBD	C/FFP OPT.	NAVAIR	2/99	2/00	51	19.6	YES	NO	
<b>3. NDI PRESSURE TEMP TEST SET</b>										
FY-97	TBD	C/FFP	NAWCAD LKE	6/97	12/97	240	35.0	YES	NO	
FY-98	TBD	C/FFP OPT.	NAWCAD LKE	1/98	7/98	120	35.0	YES	NO	
FY-99	TBD	C/FFP OPT.	NAWCAD LKE	1/99	7/99	240	35.0	YES	NO	
<b>4. JSECST</b>										
FY-99	AAI Corp/ Hunt Valley MD	SS/FFP OPT.	ASC/LNT Wright Patterson AFB	6/99	6/00	37	231.3	YES	NO	
<b>REMARKS:</b>										

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET HISTORY PLANNING**

APPROPRIATION / BUDGET ACTIVITY		C. P-1 ITEM NOMENCLATURE								DATE: Feb 1997
AIRCRAFT PROCUREMENT, NAVY/BA-7		COMMON GROUND EQUIPMENT - AVIONICS SUPPORT EQUIPMENT								
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION City, State	CONTRACT METHOD &TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST (\$K)	Specs Avail now When?	SPEC REV REQ'D?	IF YES WHEN AVAIL?
5. SURFACE MOUNT DEV REPAIR STATION FY-97	CSTS Inc. Anaheim CA	C/FFP OPT.	NAWCAD IND	4/97	12/97	68	60.3	YES	NO	
6. IFF INTERROGATOR/TRANSPONDER T/S FY-97	TBD	C/FFP	NAWCAD IND	4/97	8/97	3	34.7	YES	NO	
FY-98	TBD	C/FFP OPT.	NAWCAD IND	1/98	4/98	145	18.0	YES	NO	
FY-99	TBD	C/FFP OPT.	NAWCAD IND	1/99	4/99	152	18.0	YES	NO	
7. PRC-2000 SOLDER STATION FY-97	PACE INC/LAUREL MD	C/FFP OPT.	NSWC CRANE	2/97	7/97	333	3.6	YES	NO	
<b>REMARKS:</b>										

P-1 SHOPPING LIST

CLASSIFICATION:

**REQUIREMENTS STUDY NOT INSTALLED NONCONSUMABLES**

Appropriation/Budget Activity					P-1 Item Nomenclature				DATE: February 1997
AIRCRAFT PROCUREMENT, NAVY/BA-7					COMMON GROUND EQUIPMENT - AVIONICS SUPPORT EQUIPMENT				
Item	Total IO Reqmt	Quantity On Hand And Not In Use	Qty In Use	Quantity Due in Q/FY 96 & Prior Funds	Qty Due In W/FY 97 Prog Fund	Planned Bdgt YR Procmt FY 98	Planned Bdgt YR Procmt FY 99	Balance	Phasing Rationale
1. COMMON RACK & LAUNCHER T/S	248	0	0	180	68	0	0	0	ALIGN WITH REQMTS
2. RAPID REPROGRAMMING TERMINAL	408	0	0	211	66	80	51	0	ALIGN WITH REQMTS
3. NDI PRESSURE TEMP TEST SET	711	0	0	0	240	120	240	111	ALIGN WITH REQMTS
4. JSECST	185	0	0	0	0	0	37	148	ALIGN WITH REQMTS
5. SURFACE MOUNT TECHNOLOGY REPAIR STAT	80	0	0	12	68	0	0	0	ALIGN WITH REQMTS
6. IFF INTERROGATOR/TRANSPONDER T/S	453	0	0	0	3	145	152	153	ALIGN WITH REQMTS
7. PRC-2000 SOLDER STATION	426	0	93	0	333	0	0	0	ALIGN WITH REQMTS

MEMO ENTRIES

ITEM #1	ITEM #2	ITEM #3	ITEM #4
AIRPAC 84	AIRPAC 190	AIRPAC 294	AIRPAC 86
AIRLANT 86	AIRLANT 178	AIRLANT 229	AIRLANT 79
NAVRES 24	NAVRES 30	NAVRES 35	NAVRES 10
NAMTRA 24	NAMTRA 4	NAMTRA 38	NAMTRA 2
NAVAIR 30	NAVAIR 6	NAVAIR 47	NAVAIR 8
		CNATRA 68	
248	408	711	185

ITEM #5	ITEM #6	ITEM #7
AIRPAC 28	AIRPAC 178	AIRPAC 195
AIRLANT 24	AIRLANT 130	AIRLANT 195
NAVRES 8	NAVRES 23	NAVRES 23
NAMTRA 16	NAMTRA 15	NAVAIR 13
NAVAIR 4	NAVAIR 91	
	CNATRA 16	
80	453	426

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY BA/7				COMMON GROUND EQUIPMENT (47C2) - RAPID DEPLOYMENT FORCE/MARITIME PREPOSITIONING SHIPS				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	\$ 1.066	\$ 1.041	\$ 1.400	\$ 1.200	\$ 1.560	\$ 1.964	\$ 2.080	\$ 2.520

General Program Description

The Rapid Deployment Force (RDF)/Maritime Prepositioning Ships (MPS) program is a DOD-directed initiative. The USMC MPS program, which this budget line supports, is integral to the RDF concept. The MPS program requires the procurement of Organizational ("O") level and limited Intermediate ("I") level support equipment (SE) to support three Air Combat Elements (ACE's), each with a preselected mix of fixed wing and rotary wing aircraft. When deployed, an ACE will provide tactical air support for a Marine Expeditionary Brigade. Each ACE will have dual operating site capability, one for the fixed wing and one for the rotary wing aircraft. The SE items will be prepositioned on MPS ships at various locations throughout the world.

Procurement of required SE will be conducted by NAVAIR, the Naval Inventory Control Point (NICP), or the Naval Air Warfare Center AD Lakehurst.

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity			P-1 Item Nomenclature				DATE: February 1997		
AIRCRAFT PROCUREMENT, NAVY BA/7			RAPID DEPLOYMENT FORCE/MARITIME PREPOSITIONING SHIPS						
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		(Total cost in thousands of dollars)							
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
1. REPLACE/MODERNIZE SE	N/A		\$ 791		\$ 579		\$ 1,125		\$ 925
2. PRODUCTION SUPPORT	N/A		275		462		275		275
<b>TOTAL</b>			\$ 1,066		\$ 1,041		\$ 1,400		\$ 1,200

P-1 SHOPPING LIST

CLASSIFICATION:

**BUDGET ITEM JUSTIFICATION SHEET**

<b>APPROPRIATION / BUDGET ACTIVITY</b>				<b>P-1 ITEM NOMENCLATURE</b>			DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY/BA-7				COMMON GROUND EQUIPMENT (47C2) - HEADQUARTERS MANAGED - PSE				
<b>FISCAL YEARS</b>	<b>FY 1996</b>	<b>FY 1997</b>	<b>FY 1998</b>	<b>FY 1999</b>	<b>FY 2000</b>	<b>FY 2001</b>	<b>FY 2002</b>	<b>FY 2003</b>
<b>QUANTITY</b>								
<b>COST (in millions)</b>	\$ 4.636	\$ 6.846	\$ 3.726	\$ 4.333	\$ 3.600	\$ 3.600	\$ 3.720	\$ 4.160

General Program Description

This budget sub-line provides for the replacement of certain in-use Peculiar Support Equipment (PSE) that are now marginally effective due to obsolescence or to the unavailability of associated logistics support. As a consequence, a logistically supportable replacement item must be designed and produced. This budget sub-line provides replacement of PSE support for out-of-production aircraft requirements only.

In addition, this sub-line provides for the completion of the design and production of (1) certain PSE items that were not funded during the production phase of the weapon system, and (2) modifications to out-of-production aircraft PSE to extend its useful service life.

NAVAIR is responsible for the design and initial production of the items cited above. When each is fully qualified, the Naval Inventory Control Point will assume material management responsibility for the item.

P-1 SHOPPING LIST

CLASSIFICATION:

**Weapon System Cost Analysis**

Appropriation/Budget Activity				P-1 Item Nomenclature				DATE: February 1997	
AIRCRAFT PROCUREMENT, NAVY BA/7				COMMON GROUND EQUIPMENT (47C2) - HEADQUARTERS MANAGED					
Element of Cost	IDENT CODE	FY 1996		FY 1997		FY 1998		FY 1999	
		Qty	Total Cost	Qty	Total Cost	Qty	Total Cost	Qty	Total Cost
		(Total cost in thousands of dollars)							
1. Design/initial production of new items of PSE required to replace existing obsolescent PSE items.	N/A		\$ 2,230		\$ 1,910		\$ 1,208		\$ 1,533
2. Design/initial production of new items for PSE required to complete or augment existing fleet site outfitting.	N/A		\$ 25		\$ 1,438		0		0
3. Modification to existing PSE.	N/A		\$ 647		\$ 2,130		\$ 1,026		\$ 1,500
4. Production Engineering.	N/A		\$ 1,734		\$ 1,368		\$ 1,492		\$ 1,300
<b>TOTAL</b>			\$ 4,636		\$ 6,846		\$ 3,726		\$ 4,333

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy					P-1 ITEM NOMENCLATURE Common Ground Support Mobile Facilities (47C2)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$6.448	\$0.752	\$7.806	\$7.447	\$5.288	\$5.187	\$5.289	\$5.439
<p>Program Description:</p> <p><u>Mobile Facilities (MFs) budgeted in this sub-line consist of basic equipment: 8x8x20 foot shelters, Modular Rigid Wall Shelters, Environmental Control Units, Mobile Electrical Power generators, Short Distance Mobilizers, 60HZ Frequency Converters, Power Distribution Boxes, power cables, spreader bars, stacking blocks, scaffolds, slings, caster jacks, lashes and buckles. NAVAIR acts as the Primary Inventory Control Activity (PICA) for multi-service procurement of Mobile Facilities and related ancillary equipment.</u></p> <p>Program Coverage:</p> <p>The requirement for this equipment is directed toward fulfilling Navy and Marine Corps Aviation requirements. The basic concept is to provide containerized aviation logistics support that can be rapidly deployed by all transportation modes. Operationally, the MFs provide the Navy and Marine Corps with a quick response capability to meet worldwide operational commitments. Economically, the MFs eliminate the need for brick &amp; mortar construction.</p> <p>Justification of Budget Year Requirements:</p> <p>This sub-line will meet the ultimate goal of housing all Marine Corps Aviation intermediate-level logistics support in MFs and fulfilling specific Navy Aviation requirements outlined in individual Weapon System Planning Documents (WSPDs).</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

**UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									February 1997	
APPROPRIATION/BUDGET ACTIVITY						P-1 ITEM NOMENCLATURE/SUBHEAD				
Aircraft Procurement, Navy						Common Ground Equipment Mobile Facilities (47C2)				
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	1. Basic Van Type A	A	30	990	0	0	53	1,850	53	1,850
	2. Basic Van Type B	A	75	2,528	0	0	46	1,720	46	1,720
	3. Side Opening Van Type A	A	23	719	0	0	24	826	24	826
	4. Side Opening Van Type B	A	17	527	0	0	24	852	24	852
	5. Integration Van	A	0	0	0	0	26	913	26	913
	6. Environmental Control Unit (3 Ton)	A	400	720	0	0	400	720	0	0
	7. Power Cables	A	44	44	12	12	60	60	131	131
	8. Short Distance Mobilizer	A	4	160	4	160	4	160	5	200
	9. Publications	NA	0	100	0	0	0	0	0	250
	10. Logistic/Engineering Support	NA	0	400	0	340	0	400	0	400
	11. Logistic/ Production Support	NA	0	240	0	240	0	280	0	280
	12. Drafting/Tooling	NA	0	20	0	0	0	25	0	25
				<b>6,448</b>		<b>752</b>		<b>7,806</b>		<b>7,447</b>

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE <b>February 1997</b>	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>				C. P-1 ITEM NOMENCLATURE <b>Common Grnd Support Mobile Facilities</b>				SUBHEAD <b>47C2</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b><u>1. Basic Van Type A</u></b>										
FY-96	Gichner Shelter Systems Dallastown, PA	C/FP	NAWCADLKE	04-96	02-97	30	33,000	Yes	No	
FY-98	Unknown	C/FP	NAWCADLKE	10-97	11-98	53	34,905	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	10-98	04-99	53	34,905	Yes	No	
<b><u>2. Basic Van Type B</u></b>										
FY-96	Gichner Shelter Systems Dallastown, PA	C/FP	NAWCADLKE	04-96	11-96	75	33,700	Yes	No	
FY-98	Unknown	C/FP	NAWCADLKE	10-97	11-98	46	37,390	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	10-98	04-99	46	37,390	Yes	No	
<b><u>3. Side-Opening Van Type A</u></b>										
FY-96	Gichner Shelter Systems Dallastown, PA	C/FP	NAWCADLKE	04-96	09-96	23	31,260	Yes	No	
FY-98	Unknown	C/FP	NAWCADLKE	10-97	11-98	24	34,415	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	10-98	04-99	24	34,415	Yes	No	
<b><u>4. Side-Opening Van Type B</u></b>										
FY-96	Gichner Shelter Systems Dallastown, PA	C/FP	NAWCADLKE	04-96	10-96	17	31,000	Yes	No	
FY-98	Unknown	C/FP	NAWCADLKE	10-97	11-98	24	35,500	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	10-98	04-99	24	35,500	Yes	No	
<b><u>5. Integration Van</u></b>										
FY-98	Unknown	C/FP	NAWCADLKE	10-97	11-98	26	35,115	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	10-98	04-99	26	35,115	Yes	No	
<b><u>6. Environmental Control Unit (3-Ton)</u></b>										
FY-96	Environmental Systems Jacksonville, FL	C/FP	NAWCADLKE	02-96	3-97	400	1,800	Yes	No	
FY-98	Environmental Systems Jacksonville, FL	C/FP	NAWCADLKE	10-97	04-98	400	1,800	Yes	No	
D. REMARKS										
Note: Prices are based on previous contracts plus escalation. Quantities and cost are not always proportional. Buys are determined on total DOD procurement.										

P-1 SHOPPING LIST

CLASSIFICATION:

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE <b>February 1997</b>	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b>				C. P-1 ITEM NOMENCLATURE <b>Common Grnd Support Mobile Facilities</b>				SUBHEAD <b>47C2</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>7. Power Cables</u>										
FY-96	PWC Norfolk, VA	PO	NSC NORVA	02-96	08-96	44	1,000	Yes	No	
FY-97	PWC Norfolk, VA	PO	NSC NORVA	02-97	08-97	12	1,000	Yes	No	
FY-98	PWC Norfolk, VA	PO	NSC NORVA	02-98	08-98	60	1,000	Yes	No	
FY-99	PWC Norfolk, VA	PO	NSC NORVA	02-99	08-99	131	1,000	Yes	No	
Note: 18 Different Cables, \$700-\$1300 each										
<u>8. Short Distance Mobilizer</u>										
FY-96	Unknown	C/FP	NAWCADLKE	6-97	12-97	4	40,000	Yes	No	
FY-97	Unknown	C/FP	NAWCADLKE	8-97	02-98	4	40,000	Yes	No	
FY-98	Unknown	C/FP	NAWCADLKE	12-97	06-98	4	40,000	Yes	No	
FY-99	Unknown	C/FP	NAWCADLKE	12-98	06-99	5	40,000	Yes	No	
D. REMARKS										
Note: Prices are based on previous contracts plus escalation. Quantities and cost are not always proportional. Buys are determined on total DOD procurement.										

P-1 SHOPPING LIST

CLASSIFICATION:

CLASSIFICATION:

**UNCLASSIFIED**

<b>REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B</b>	DATE <b>February 1997</b>
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APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy				P-1 ITEM NOMENCLATURE Common Ground Support Mobile Facilities (47C2)					
ITEM/PROJECT UNIT	TOTAL IO / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
1. Basic Van Type A	2,300	0	1,876	30	0	53	53	288	Configuration Change
2. Basic Van Type B	2,500	0	2,132	75	0	46	46	201	Site Activation
3. Side Opening Van Type A	700	0	346	23	0	24	24	283	Site Activation
4. Side Opening Van Type B	700	0	288	17	0	24	24	347	Site Activation
5. Integration Unit	901	0	716	0	0	26	26	133	Site Activation
6. Environmental Cntrl Unit (3-Ton)	5,837	0	4,637	800	0	400	0	0	Site Activation
7. Power Cables	15,000	0	13,235	0	12	60	131	1562	Budget Constraint
8. Short Distance Mobilizer	59	0	0	4	4	4	5	42	Budget Constraint

**MEMO ENTRIES**

Item #1	Item #2	Item #3	Item #4	Item #5
USMC 1,634	USMC 1,373	USMC 596	USMC 596	USMC 546
USMC(R) 289	USMC(R) 250	USMC(R) 11	USMC(R) 11	USMC(R) 40
P-3 38	P-3 35	P-3 8	P-3 8	P-3 42
Navy(R) 91	Navy(R) 123	Navy(R) 21	Navy(R) 21	Navy(R) 41
Other NAVAIR <u>248</u>	Other NAVAIR <u>719</u>	Other NAVAIR <u>64</u>	Other NAVAIR <u>64</u>	Other NAVAIR <u>232</u>
2, 300	2,500	700	700	9 01
<b>Item #6</b>	<b>Item #7</b>	<b>Item #8</b>		
USMC 3,868	USMC 8,113	USMC 59		
USMC(R) 590	USMC(R) 1,202	USMC(R) 0		
P-3 105	P-3 862	P-3 0		
Navy(R) 298	Navy(R) 594	Navy(R) 0		
Other NAVAIR <u>976</u>	Other NAVAIR <u>4,229</u>	Other NAVAIR <u>0</u>		
5,837	15,000	59		

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>February 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/ Budget Activity 7</b>					P-1 ITEM NOMENCLATURE <b>Common Ground Equipment (47C2) - Training</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$57.670</b>	<b>\$60.613</b>	<b>\$58.202</b>	<b>\$66.845</b>	<b>\$79.098</b>	<b>\$65.789</b>	<b>\$57.875</b>	<b>\$60.312</b>
Common Ground Equipment - Training is sub-divided into the following categories:								
General Training Equipment provides for the procurement of training devices, equipment and related modifications/modernizations for programs which provide skills common to more than one system.								
Justification of Major Programs: Computer Based Training is a formal, standardized program for in-service (Fleet units) training which will enhance aircraft maintenance training in the schoolhouse. The Strike Fighter Training System provides standardized advanced tactical training to aircrews in fleet squadrons. The Mission Rehearsal program procures TOPSCENE units and upgrades database capabilities to support expanded mission rehearsal training.								
Modification/Modernization of Trainers provides for the acquisition of new trainers and the modification/modernization of existing trainers for out-of-production aircraft; including government furnished equipment for these trainers.								
Justification of Major Programs: The Aircrew Simulators (WESTPAC) support the USMC squadrons in Okinawa, Futenma, and Japan providing enhanced aircrew training and mission proficiency. The F-14D aircrew simulator modifications provide for the incorporation of aircraft operational flight program changes to increase concurrency with the platform enhancing trainer effectiveness and utilization.								

P-1 SHOPPING LIST

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS									DATE:	
P-5									February 1997	
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE/SUBHEAD					
Aircraft Procurement, Navy/B. A. 7					Common Ground Equipment - Training/47C2					
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN MILLIONS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	<b>GENERAL TRAINERS</b>									
	1. Mission Rehearsal -Topscene (S-2H141)		4	7.519	5	3.828	3	5.075	5	8.000
	2. "A" School - IMAT Acoustic Trainer		3	1.000	2	0.800	7	1.000	10	1.540
	3. "A" School - Aviation Training Tech							1.100		1.700
	4. "A" School Canopy Ejection Seat Trainer		2	2.100						
	5. AD School Training System					0.050		0.105		2.126
	6. "A" School Trainers Upg/Replace			0.958		0.461		2.050		
	7. "A" School 6E Series Electrical Trainers				8	3.180		0.129		0.141
	8. ATC 15G Series Block Upd/Upg/Rehost			2.307		0.841		1.636		2.000
	9. Aircrew CBT - AMT & CVIS			1.101		1.550		1.730		1.640
	10. LSO Trainer Mods			0.035						
	11. Univ Threat Sys for Simulators (UTSS)			1.040		1.100		1.200		1.700
	12. NiteLab/NVD			0.331	6	0.888	7	0.945	2	0.690
	13. Maintenance CBT			11.325		13.118		13.976		15.833
	14. H2O Surv/Phys - 9D5 Block Upgrade			0.082		0.210		0.242		0.600
	15. Strk Ftr Trng Sys (SFTS)					0.500				4.000
	16. SFTS - MAWTS					0.429		0.715		0.296
	17. General Trainer Mods			0.833		0.666		1.382		0.602
	18. NFO School - NAV/COMM Trnr (2B47)		1	1.826						
	<b>SUBTOTAL - GENERAL TRAINING EQUIPMENT</b>		<b>10</b>	<b>30.457</b>	<b>21</b>	<b>27.621</b>	<b>17</b>	<b>31.285</b>	<b>17</b>	<b>40.868</b>

P-1 SHOPPING LIST

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS									DATE:		
P-5									February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Aircraft Procurement, Navy/B. A. 7				Common Ground Equipment - Training/47C2							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN MILLIONS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
	<b>MODIF/MODERN OF TRNRS</b>										
	19. AH-1W Engine Trainer					1	2.008				
	20. AH-1 W Training						0.204			0.000	
	21. C-2A 4E12 Rehost			0.532							
	22. CH-53E WESTPAC APT Mod			0.350		0.262	0.287	1		2.728	
	23. CH-46 D/E Maint Trnr Upg						0.050			1.060	
	24. CH-46D OFT Block Upg (Rehost)			0.050	1	3.078	0.285				
	25. CH-46E WESTPAC APT Mod/Trn Mod			0.322			0.231	1		3.696	
	26. C-130 WESTPAC APT									0.000	
	27. C-130 Trainer Rehost/Monitor Replace			0.000		0.161	1.000				
	28. E-6 Dig Ctrl Loader/Trainer Mods			0.125		0.530	1.200	1		1.500	
	29. EP-3E/ES-3A MAST Upg/Trainer Upg			1.475		1.685	2.102			1.352	
	30. ESL/GFE - Equipment Shortages			0.969		0.500	0.950			0.500	
	31. EA-6B WESTPAC Trainer						5.850	1		0.165	
	32. EA-6B Replce DRLMS (2F119A)/Mods			0.254			0.525			1.110	
	33. F-14 - 2F95/15C9A Upgd. (ATIP)			4.064		1.750	0.889				
	34. F-14D Rehost & Threat Update							2		9.500	
	35. F-14 Trainer Mods/Upg			1.337		2.221	2.100			0.450	
	36. F/A-18 (C/D) OFTs				2	12.000					
	37. MH-53E OFT/AMCM Trainer Upg		1	3.298		0.688	0.799				
	38. P-3 OFT (2F87F) Vis Sys Upg		1	4.797							
	39. P-3 Trainer Mods			2.032		2.931	1.477			1.036	
	40. S-3 Trainer Mods			1.852		1.698	1.264			1.927	
	41. S-3 FRS CBT						0.000				
	42. SH-60 Trainer Mods			0.000							
	43. T-44 (2F129) Rehost & IOS Replace						0.740			0.610	
	44. T-34 Flt Instrum Trnr Rehost/Blk Upg		3	3.960							
	45. UH-3 Trainer Mods			1.492		0.162	0.115			0.068	
	46. UH-1N APT			0.304	1	5.326	0.341			0.275	
	47. C2 OFT						4.500	1			
	SUBTOTAL - MODIF/MODERN OF TRAINERS		5	27.213	4	32.992	26.917	5		25.977	
	<b>TOTAL TRAINING EQUIPMENT</b>		15	57.670	25	60.613	58.202	22		66.845	

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

UNCLASSIFIED										
CLASSIFICATION: BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE February 1997
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy/Budget Activity 7				C. P-1 ITEM NOMENCLATURE Common Ground Equipment (47C2) - Training				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
1. Mission Rehearsal - Topscene (S-2H141)										
FY 1996			NAVSUP			4	1880	Y	N	
FY 1997			NAVSUP			5	766	Y	N	
FY 1998			NAVSUP			3	1692	Y	N	
FY 1999			NAVSUP			5	1600	Y	N	
2. "A" School - IMAT Acoustic Trainer										
FY 1996	NSWC, White Oak	WX	NSWC	1/96	3/97	3	333	Y	N	
FY 1997	NSWC, White Oak	WX	NSWC	1/97	3/98	2	400	Y	N	
FY 1998	NSWC, White Oak	WX	NSWC	1/98	3/99	7	143	N	N	
FY 1999	NSWC, White Oak	WX	NSWC	1/99	3/00	10	154	N	N	
4. "A" School Canopy Ejection Seat Trainer										
FY 1996	United Scale Models, Inc.	OPTION	NAWC, TSD	3/96	6/97	2	1050	Y	N	
7. "A" School 6E Series Electrical Trainers										
FY 1997	TBD	CFP	NAWC, TSD	3/97	6/98	8	398	Y	N	
12. NiteLab/NVD										
FY 1997	Lockheed Martin	SSM-3	NAWC, Mugu	12/96	9/97	6	148	Y	Y	12/96
FY 1998	Lockheed Martin	SSM-3	NAWC, Mugu	12/97	9/98	7	135	Y	N	
FY 1999	Lockheed Martin	SSM-3	NAWC, Mugu	12/98	9/00	2	345	Y	N	
D. REMARKS										
Details of the Mission Rehearsal trainer contract are classified.										
Mission Rehearsal costs fluctuate from year to year due to the varied complexity of generating and integrating data products.										

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: <b>UNCLASSIFIED</b>										
BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)										A. DATE <b>February 1997</b>
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>				C. P-1 ITEM NOMENCLATURE <b>Common Ground Equipment (47C2) - Training</b>				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>13. Maintenance CBT</b>										
<u>F-14</u> FY 1996	OC, Inc.	CPFF	FISC WNY	6/96	9/97		8045	Y	N	
FY 1997	TBD	CPFF	FISC WNY	1/97	3/98		2565	N	N	
<u>E-2/C2</u> FY 1996	JIL Info Sys	CPFF	FISC WNY	5/96	9/97		3280	Y	N	
FY 1997	TBD	CPFF	FISC WNY	1/97	3/98		6193	N	N	
<u>F/A-18 (C/D)</u> FY 1997	TBD	CPFF	FISC WNY	1/97	3/98		4360	N	N	
<u>S-3/ES-3</u> FY 1998	TBD	CPFF	FISC WNY	1/98	3/99		5585	N	N	
<u>SH-60F</u> FY 1998	TBD	CPFF	FISC WNY	1/98	3/99		5826	N	N	
<u>SH-60B</u> FY 1998	TBD	CPFF	FISC WNY	1/98	3/99		2565	N	N	
<u>P-3/EP-3</u> FY 1999	TBD	CPFF	FISC WNY	1/99	3/00		5479	N	N	
<u>E-6</u> FY 1999	TBD	CPFF	FISC WNY	1/99	3/00		4223	N	N	
D. REMARKS CBT varies depending on the complexity of the system.										

P-1 SHOPPING LIST

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION: <b>UNCLASSIFIED</b>										
BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE <b>February 1997</b>	
B. APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy/Budget Activity 7</b>				C. P-1 ITEM NOMENCLATURE <b>Common Ground Equipment (47C2) - Training</b>				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<a href="#">EA-6B</a> FY 1999	TBD	CPFF	FISC WNY	1/99	3/00		4204	N	N	
<a href="#">AV-8B</a> FY 1999	TBD	CPFF	FISC WNY	1/99	3/00		1927	N	N	
15. Strike Fighter Training System (SFTS)										
FY 1997	TBD	CM-5	NAVAIR	11/96	9/97		500	N	N	
FY 1999	TBD	CM-5	NAVAIR	11/98	9/99		4000	N	N	
18. NFO School - NAV/COMM Trainer (2B47)										
FY 1996	Jason Assoc.	CFP	NAWC, TSD	1/96	7/97	1	1826	Y	N	
31. EA-6B WESTPAC Trainer										
FY 1998	TBD	CFP	NAWC,TSD	3/98	3/00	1	5850	N	N	
36. F/A-18 (C/D) OFTs										
FY 1997	MDA	SS	NAVAIR	2/97	4/98	2	6000	N	N	
46. UH-1N APT										
FY 1997	TBD	CFP	NAWC,TSD	11/96	5/98	1	5326	Y	N	
47. C2 OFT										
FY 1998	TBD	FFP	NAWC,TSD	7/98	3/00	1	4500	N	Y	
D. REMARKS										

P-1 SHOPPING LIST

CLASSIFICATION:

SIMULATOR AND TRAINING DEVICE JUSTIFICATION									DATE February 1997			
TRAINING DEVICE BY TYPE TOPSCENE (S-2H141)						Weapon System MISSION REHEARSAL						
FINANCIAL PLAN	Prior Year FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	4	2.088	5	2.625	5	2.625	5	2.625			19	9.963
Engineering Change Orders											0	0.000
Non-Recurring		2.877		1.203		2.775		4.375			0	11.230
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	<b>4</b>	<b>4.965</b>	<b>5</b>	<b>3.828</b>	<b>5</b>	<b>5.400</b>	<b>5</b>	<b>7.000</b>	<b>0</b>	<b>0.000</b>	<b>19</b>	<b>21.193</b>
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support		2.554				1.000		1.000			0	4.554
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>		<b>2.554</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>1.000</b>	<b>0</b>	<b>1.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>4.554</b>
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>4</b>	<b>7.519</b>	<b>5</b>	<b>3.828</b>	<b>5</b>	<b>6.400</b>	<b>5</b>	<b>8.000</b>	<b>0</b>	<b>0.000</b>	<b>19</b>	<b>25.747</b>
				PAGE NO.		Exhibit P-43						
				ITEM NO		PAGE NO						
				49		52						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>			
TRAINING DEVICE BY TYPE <b>Interactive Multi-sensor Analysis Trainer (IMAT) Acoustic Trainer</b>						Weapon System <b>"A" School</b>							
FINANCIAL PLAN	Prior Year FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost		
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
<b>HARDWARE COSTS</b>													
Device (Hardware)	3	0.240	2	0.160	7	0.560	10	0.800	5	0.400	27	2.160	
Engineering Change Orders											0	0.000	
Non-Recurring											0	0.000	
GFE											0	0.000	
Other (Specify)											0	0.000	
<b>Total Hardware Costs</b>	<b>3</b>	<b>0.240</b>	<b>2</b>	<b>0.160</b>	<b>7</b>	<b>0.560</b>	<b>10</b>	<b>0.800</b>	<b>5</b>	<b>0.400</b>	<b>27</b>	<b>2.160</b>	
<b>SUPPORT COST</b>													
Special Support Equipment		0.200									0	0.200	
Integrated Logistics Support		0.100		0.050		0.050		0.075		0.025	0	0.300	
Other (Specify)/Training Requirements											0	0.000	
<b>Total Support Costs</b>	<b>0</b>	<b>0.300</b>	<b>0</b>	<b>0.050</b>	<b>0</b>	<b>0.050</b>	<b>0</b>	<b>0.075</b>	<b>0</b>	<b>0.025</b>	<b>0</b>	<b>0.500</b>	
Software/Courseware		0.460		0.590		0.390		0.665		0.295	0	2.400	
<b>TOTAL COSTS</b>	<b>3</b>	<b>1.000</b>	<b>2</b>	<b>0.800</b>	<b>7</b>	<b>1.000</b>	<b>10</b>	<b>1.540</b>	<b>5</b>	<b>0.720</b>	<b>27</b>	<b>5.060</b>	
				PAGE NO.				Exhibit P-43					
				ITEM NO 49		PAGE NO 53							

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>Canopy Egress Trainer (11H144/145)</b>					Weapon System <b>"A" School</b>							
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	2	1.701									2	1.701
Engineering Change Orders											0	0.000
Non-Recurring											0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	<b>2</b>	<b>1.701</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>1.701</b>
<b>SUPPORT COST</b>												
Special Support Equipment		0.250									0	0.250
Integrated Logistics Support		0.149									0	0.149
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	<b>0</b>	<b>0.399</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.399</b>
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>2</b>	<b>2.100</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>2.100</b>
				PAGE NO.				Exhibit P-43				
				ITEM NO 49		PAGE NO 54						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>6E Series Electrical System Trainers (6E36, 6E37)</b>					Weapon System <b>"A" School</b>							
FINANCIAL PLAN	Prior Year FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)			8	3.540							8	3.540
Engineering Change Orders											0	0.000
Non-Recurring											0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	0.000	8	3.540	0	0.000	0	0.000	0	0.000	8	3.540
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support				0.340		0.129		0.141			0	0.610
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.000	0	0.340	0	0.129	0	0.141	0	0.000	0	0.610
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.000</b>	<b>8</b>	<b>3.880</b>	<b>0</b>	<b>0.129</b>	<b>0</b>	<b>0.141</b>	<b>0</b>	<b>0.000</b>	<b>8</b>	<b>4.150</b>
					PAGE NO.			Exhibit P-43				
ITEM NO 49				PAGE NO 55								

SIMULATOR AND TRAINING DEVICE JUSTIFICATION								February 1997				
TRAINING DEVICE BY TYPE						Weapon System						
Nitelab Mission Rehearsal FLIR Training Implementation						Night Vision Device						
FINANCIAL PLAN	Prior Year FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)			6	0.600	7	0.700	2	0.200			15	1.500
Engineering Change Orders											0	0.000
Non-Recurring				0.100							0	0.100
GFE											0	0.000
Other - Modification											0	0.000
<b>Total Hardware Costs</b>	0	0.000	6	0.700	7	0.700	2	0.200	0	0.000	15	1.600
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support				0.188		0.170		0.215			0	0.573
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.000	0	0.188	0	0.170	0	0.215	0	0.000	0	0.573
Software/Courseware		0.236				0.075		0.275			0	0.586
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.236</b>	<b>6</b>	<b>0.888</b>	<b>7</b>	<b>0.945</b>	<b>2</b>	<b>0.690</b>	<b>0</b>	<b>0.000</b>	<b>15</b>	<b>2.759</b>
				PAGE NO.		Exhibit P-43						
				ITEM NO		PAGE NO						
				49		56						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>								DATE <b>February 1997</b>				
TRAINING DEVICE BY TYPE <b>Maintenance Computer Based Training (CBT)</b>						Weapon System <b>Various - Weapon System Schedule on P-5A Exhibit</b>						
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)		2.080		5.785		4.683		6.043			0	18.591
Engineering Change Orders											0	0.000
Non-Recurring											0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	2.080	0	5.785	0	4.683	0	6.043	0	0.000	0	18.591
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support											0	0.000
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Software/Courseware		9.245		7.333		9.293		9.790			0	35.661
<b>TOTAL COSTS</b>	<b>0</b>	<b>11.325</b>	<b>0</b>	<b>13.118</b>	<b>0</b>	<b>13.976</b>	<b>0</b>	<b>15.833</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>54.252</b>
				PAGE NO.				Exhibit P-43				
				ITEM NO 49		PAGE NO 57						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>Strike Fighter Training System (SFTS)</b>						Weapon System <b>F/A18 &amp; F-14</b>						
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)				0.100				1.000		1.000	0	2.100
Engineering Change Orders											0	0.000
Non-Recurring											0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	0.000	0	0.100	0	0.000	0	1.000	0	1.000	0	2.100
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support				0.100				0.200		0.100	0	0.400
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.000	0	0.100	0	0.000	0	0.200	0	0.100	0	0.400
Software/Courseware				0.600				2.800		2.770	0	6.170
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.800</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>4.000</b>	<b>0</b>	<b>3.870</b>	<b>0</b>	<b>8.670</b>
										PAGE NO.		
										Exhibit P-43		
ITEM NO						PAGE NO						
49						58						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>Navigation/Communication Trainer (2B47)</b>					Weapon System <b>NFO School</b>							
FINANCIAL PLAN	Prior Year FY 1996		Current Year FY 1997		Budget Year 1 FY 1998		Budget Year 2 FY 1999		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)	1	1.965									1	1.965
Engineering Change Orders											0	0.000
Non-Recurring		0.365									0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	<b>1</b>	<b>2.330</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>2.330</b>
<b>SUPPORT COST</b>												
Special Support Equipment		0.150									0	0.150
Integrated Logistics Support											0	0.000
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	<b>0</b>	<b>0.150</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.150</b>
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>1</b>	<b>2.480</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>2.480</b>
				PAGE NO.				Exhibit P-43				
				ITEM NO 49		PAGE NO 59						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>			
TRAINING DEVICE BY TYPE <b>EA-6B WST - USMC WESTPAC Trainer</b>					Weapon System <b>EA-6B</b>								
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost		
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	
<b>HARDWARE COSTS</b>													
Device (Hardware)                      WST					1	5.600					1	5.600	
Engineering Change Orders											0	0.000	
Non-Recurring											0	0.000	
GFE											0	0.000	
Other (Specify)											0	0.000	
<b>Total Hardware Costs</b>	0	0.000	0	0.000	1	5.600	0	0.000	0	0.000	1	5.600	
<b>SUPPORT COST</b>													
Special Support Equipment											0	0.000	
Integrated Logistics Support						0.250		0.165			0	0.415	
Other (Specify)/Training Requirements											0	0.000	
<b>Total Support Costs</b>	0	0.000	0	0.000	0	0.250	0	0.165	0	0.000	0	0.415	
Software/Courseware											0	0.000	
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>5.850</b>	<b>0</b>	<b>0.165</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>6.015</b>	
					PAGE NO.		Exhibit P-43						
					ITEM NO 49		PAGE NO 60						

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>F/A-18 C/D Operational Flight Trainer (OFT)</b>					Weapon System <b>F-18</b>							
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)                      OFT			2	11.800							2	11.800
Engineering Change Orders											0	0.000
Non-Recurring				0.600							0	0.600
GFE				0.200							0	0.200
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	0.000	2	12.600	0	0.000	0	0.000	0	0.000	2	12.600
<b>SUPPORT COST</b>												
Special Support Equipment				0.100							0	0.100
Integrated Logistics Support				0.300							0	0.300
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.000	0	0.400	0	0.000	0	0.000	0	0.000	0	0.400
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>13.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>2</b>	<b>13.000</b>
					PAGE NO.			Exhibit P-43				
ITEM NO 49				PAGE NO 61								

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>UH-1N APT</b>					Weapon System <b>UH-1N</b>							
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)			1	3.000							1	3.000
Engineering Change Orders											0	0.000
Non-Recurring				2.000							0	0.000
GFE											0	0.000
Other (Specify)											0	0.000
<b>Total Hardware Costs</b>	0	0.000	1	5.000	0	0.000	0	0.000	0	0.000	1	5.000
<b>SUPPORT COST</b>												
Special Support Equipment											0	0.000
Integrated Logistics Support		0.304		0.326		0.341		0.275			0	1.246
Other (Specify)/Training Requirements											0	0.000
<b>Total Support Costs</b>	0	0.304	0	0.326	0	0.341	0	0.275	0	0.000	0	1.246
Software/Courseware											0	0.000
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.304</b>	<b>1</b>	<b>5.326</b>	<b>0</b>	<b>0.341</b>	<b>0</b>	<b>0.275</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>6.246</b>
					PAGE NO.			Exhibit P-43				
ITEM NO 49				PAGE NO 62								

<b>SIMULATOR AND TRAINING DEVICE JUSTIFICATION</b>										DATE <b>February 1997</b>		
TRAINING DEVICE BY TYPE <b>OFT</b>					Weapon System <b>C-2</b>							
FINANCIAL PLAN	Prior Year <b>FY 1996</b>		Current Year <b>FY 1997</b>		Budget Year 1 <b>FY 1998</b>		Budget Year 2 <b>FY 1999</b>		Cost to Complete		Total Cost	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
<b>HARDWARE COSTS</b>												
Device (Hardware)					1	4.500					1	4.500
Engineering Change Orders Non-Recurring GFE Other (Specify)												
Total Hardware Costs	0	0.000	0	0.000	1	4.500	0	0.000	0	0.000	1	4.500
<b>SUPPORT COST</b>												
Special Support Equipment Integrated Logistics Support Other (Specify)/Training Requirements												
Total Support Costs	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000	0	0.000
Software/Courseware												
<b>TOTAL COSTS</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>4.500</b>	<b>0</b>	<b>0.000</b>	<b>0</b>	<b>0.000</b>	<b>1</b>	<b>4.500</b>
				PAGE NO.		Exhibit P-43						
				ITEM NO 49		PAGE NO 63						

CLASSIFICATION **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>FEB 1997</b>																		
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b> <b>B.A. 7- Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <b>Aircraft Industrial Facilities</b>																		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003															
QUANTITY																							
COST (In Millions)	<b>\$29.823</b>	<b>\$14.490</b>	<b>\$17.585</b>	<b>\$19.936</b>	<b>\$19.625</b>	<b>\$19.347</b>	<b>\$19.720</b>	<b>\$20.261</b>															
<p>The Aircraft Industrial Facilities line funds procurement of calibration equipment for Navy standards and calibration laboratories, and provides for capital improvements, modernization and maintenance of government-owned, but contractor-operated, aircraft-producing industrial plants. The two requiring managers responsible for these procurements and the funds presently assigned to them are as follows:</p> <table border="1"> <thead> <tr> <th></th> <th><u>FY 1996</u></th> <th><u>FY 1997</u></th> <th><u>FY 1998</u></th> <th><u>FY 1999</u></th> </tr> </thead> <tbody> <tr> <td>Calibration Equipment</td> <td>12.201</td> <td>7.366</td> <td>8.545</td> <td>9.667</td> </tr> <tr> <td>Contractor Facilities</td> <td>17.622</td> <td>7.124</td> <td>9.040</td> <td>10.269</td> </tr> </tbody> </table>										<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	Calibration Equipment	12.201	7.366	8.545	9.667	Contractor Facilities	17.622	7.124	9.040	10.269
	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>																			
Calibration Equipment	12.201	7.366	8.545	9.667																			
Contractor Facilities	17.622	7.124	9.040	10.269																			

**CLASSIFICATION UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy					P-1 ITEM NOMENCLATURE CALIBRATION EQUIPMENT (47C4)			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$12.201	\$7.366	\$8.545	\$9.667	\$9.516	\$9.380	\$9.561	\$9.824
<p>General Program Description:                      The objective of the Metrology/Calibration (METCAL) Program is to maintain required accuracy and consistency in Navy measurements. This ensures the required measurement accuracy of Test and Measurement Systems (TAMS) and Aviation Support Equipment used to test, repair and maintain Aviation Weapon Systems is adequate. Calibration is an on-cycle maintenance action and can be described as the comparison of a measurement device/system of unverified/unknown accuracy (TAMS or SE) to a device of known and greater accuracy (Calibration Standard) .</p> <p>Program Scope:                      Calibration Equipment funds are used to procure common Calibration Standards (CALSTDs) and ancillary equipment for Aviation Fleet Intermediate Calibration Activities, Fleet Training Activities and Aviation Navy Calibration Laboratories (NCLs) to support Aviation Organizational and Intermediate (I) level maintenance assets. Initial outfitting of all CALSTDs is the responsibility of the requiring project office with the replenishment/replacement of CALSTDs procured under this document. CALSTDs procured for Fleet 'I' level use are to replace obsolete and/or irreparable equipment, expand technical measurement capabilities to decrease Depot support costs, reduce out-of-service turn around times, provide enhanced forward deployed geographic support and reduce/control the NAVAIR cost of ownership associated with Calibration. Fleet 'I' level calibration activities support 60% of the total Fleet calibration workload. Maintenance of Fleet calibration capability through this funding results in the release of more expensive Depot level support manhours for more complex calibration maintenance and calibrations where economy of scale costs dictate single site or geographic calibration center capability . CALSTDs procured for NCLs allow for the automation and improvement of calibration procedures in order to reduce Depot level manhour expenditures required to support Fleet assets, reduce Fleet asset out-of-service and Turn around Time, expand technical calibration capabilities for enhanced in-theater Fleet support and replace obsolete and high support costs CALSTDs.</p>								

DD FORM 2446, JUN 86

P-1 SHOPPING LIST  
 ITEM NO. PAGE NO.

50 2

CLASSIFICATION:

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WEAPONS SYSTEM COST ANALYSIS							DATE:			
P-5							Feb 1997			
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE/SUBHEAD							
Aircraft Procurement, Navy			CALIBRATION EQUIPMENT / (47C4)							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	1. Navy Calibration Lab Standards			533		330		350		368
	2. Fleet Training Standards			565		500		536		549
	3. Fleet Intermediate Standards			2,572		2,409		3,078		3,140
	4. Engineering Evaluations			812		623		787		796
	5. Production/Acquisition			1,795		1,270		1,598		1,623
	6. RF Power Sensor Cal System		0	0	22	484	24	528	20	440
	7. RF Microwave Receiver		0	0	22	396	14	252	15	270
	8. Frequency Counter		350	350	0	0	0	0	0	0
	9. Pulse Generator		50	479	0	0	0	0	0	0
	10. Digital Multimeter		181	634	119	417	0	0	0	0
	11. RF Power Meter		70	1,241	19	337	0	0	0	0
	12. Synthesized RF Source		184	3,220	0	0	0	0	0	0
	13. Time / Frequency Standard		0	0	20	600	12	360	21	630
	14. Hi-Power RF Source		0	0	0	0	4	160	12	480
	15. Temp / Humidity Chamber		0	0	0	0	10	140	15	210
	16. Spectrum Analyzer		0	0	0	0	28	756	43	1,161
				12,201		7,366		8,545		9,667

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE Feb 1997	
B. APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy				C. P-1 ITEM NOMENCLATURE CALIBRATION EQUIPMENT				SUBHEAD 47C4		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
6. RF Power Sensor CS										
FY97	Weinschel	Option	NAWCPAX	04-97	08-97	22	22.000	Yes	No	
FY98	Gaithersburgh, MD	Option	NAWCPAX	04-98	08-98	24	22.000	Yes	No	
FY99		Option	NAWCPAX	05-99	09-99	20	22.000	Yes	No	
7. RF Microwave Rx										
FY97	Unknown	C/FP	NAWCLKE	03-97	08-97	22	18.000	Yes	No	
FY98	Unknown	Option	NAWCLKE	03-98	07-98	14	18.000	Yes	No	
FY99	Unknown	Option	NAWCLKE	02-99	06-99	15	18.000	Yes	No	
8. Frequency Counter										
FY96	Hewlett Packard Spokane, WA	C/FP	NRCLCB	06-96	08-96	350	1.000	Yes	No	
9. Pulse Generator										
FY96	Hewlett Packard Wayne, PA	Option	NAWCLKE	06-96	08-96	50	9.580	Yes	No	
10. Digital Multimeter										
FY96	Hewlett Packard	C/FP	NAWCLKE	06-96	09-96	181	3.500	Yes	No	
FY97	Wayne, PA	Option	NAWCLKE	05-97	08-97	119	3.500	Yes	No	
11. RF Power Meter										
FY96	Hewlett Packard	Option	NAWCLKE	06-96	09-96	70	17.730	Yes	No	
FY97	Wayne, PA	Option	NAWCLKE	05-97	07-97	19	17,730	Yes	No	
12. Synthzd RF Source										
FY96	Hewlett Packard Wayne, PA	Option	NAWCLKE	06-96	09-96	184	17.500	Yes	No	
13. Time / Freq Std										
FY97	Unknown	C/FP	NRCLCB	06-97	08-97	20	30.000	Yes	No	
FY98	Unknown	Option	NRCLCB	05-98	07-98	12	30.000	Yes	No	
FY99	Unknown	Option	NRCLCB	06-99	08-99	21	30.000	Yes	No	
14. Hi Power RF Source										
FY98	Unknown	C/FP	NRCLCB	03-98	09-98	4	40.000	Yes	No	
FY99	Unknown	Option	NRCLCB	03-99	8-99	12	40.000	Yes	No	
15. Temp/Humid Chmbr										
FY98	Unknown	C/FP	NRCLCB	06-98	10-98	10	14.000	Yes	No	
FY99	Unknown	Option	NRCLCB	06-99	10-99	15	14.000	Yes	No	
16. Spectrum Analyzer										
FY98	Unknown	C/FP	NRCLCB	04-98	08-98	28	27.000	Yes	No	
FY99	Unknown	Option	NRCLCB	04-99	07-99	43	27.000	Yes	No	
D. REMARKS										

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE Feb 1997	
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy				P-1 ITEM NOMENCLATURE CALIBRATION EQUIPMENT (47C4)					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
6. RF Power Sensor C	70	0	4	0	22	24	20	0	
7. RF Microwave Rx	70	0	0	0	22	14	15	19	
8. Frequency Counter	350	0	0	350	0	0	0	0	
9. Pulse Generator	317	0	267	50	0	0	0	0	
10. Digital Multimeter	300	0	0	181	119	0	0	0	
11. RF Power Meter	200	0	111	70	19	0	0	0	
12. Synthesized RF Sourc	330	0	0	330	0	0	0	0	
13. Time / Freq Standard	175	0	0	0	20	12	21	122	
14. Hi Power RF Source	85	0	0	0	0	4	12	69	
15. Temp / Humid Chamb	25	0	0	0	0	10	15	0	
16. Spectrum Analyzer	180	0	0	0	0	28	43	109	
<b>MEMO ENTRIES</b>									
COST CODE:	Item # 6:	Item # 7:	Item # 8:	Item # 9:	Item # 10:	Item # 11:			
	NCL ..... 4 TRNG ... 4 FCA ..... 62 TOTAL 70	NCL ..... 4 TRNG ... 4 FCA ..... 62 TOTAL 70	NCL ..... 38 TRNG ... 18 FCA ..... 294 TOTAL 350	NCL ..... 33 TRNG ... 16 FCA ..... 268 TOTAL 317	NCL ..... 28 TRNG ... 14 FCA ..... 258 TOTAL 300	NCL ..... 16 TRNG ... 8 FCA ..... 176 TOTAL 200			
	Item # 12:	Item # 13:	Item # 14:	Item # 15:	Item # 16:				
	NCL ..... 28 TRNG ... 18 FCA ..... 284 TOTAL 330	NCL ..... 14 TRNG ... 8 FCA ..... 153 TOTAL 175	NCL ..... 8 TRNG ... 2 FCA ..... 75 TOTAL 85	NCL ..... 3 TRNG ... 0 FCA ..... 22 TOTAL 25	NCL ..... 14 TRNG ... 2 FCA ..... 164 TOTAL 180				

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO

50

PAGE NO

5

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>FEB 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy B.A. 7- Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <b>Aircraft Industrial Facilities</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$17,622</b>	<b>\$7,124</b>	<b>\$9,040</b>	<b>\$10,269</b>	<b>\$10,109</b>	<b>\$9,967</b>	<b>\$10,159</b>	<b>\$10,437</b>
<p>The Aircraft Industrial Facilities Program provides for capital type rehabilitation such as major repairs, emergency repairs, fire protection, and mandatory safety and environmental requirements for government-owned contractor-operated aircraft production plants. Facilities - use contracts require that the Government fund capital maintenance projects to support and maintain these facilities, including compliance with the increasing environmental requirements, laws, and regulations by federal, state, and local regulatory authorities. Projects apply to the Naval Weapon Industrial Reserve Plants (NWIRP's) at Bethpage, New York; Bloomfield, Connecticut; and Dallas, Texas.</p>								

P-1 SHOPPING LIST

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS							DATE: <b>FEB 1997</b>			
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE/SUBHEAD							
<b>Aircraft Procurement, Navy</b>			<b>Aircraft Industrial Facilities / 47C4</b>							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
73400	NWIRP, Bethpage									
	EPA & OSHA			1,070		695		1,242		2,074
	Major Repairs			1,101		1,300		1,729		1,362
73400	NWIRP, Bloomfield									
	EPA & OSHA			594		80		22		97
	Major Repairs			2,043		321		189		248
73400	NWIRP, Dallas									
	EPA & OSHA			2,456		2,816		2,042		1,908
	Major Repairs			3,927		1,912		3,816		4,580
73400	NWIRP, Calverton									
	Closure Cost			6,431						
				<b>17,622</b>		<b>7,124</b>		<b>9,040</b>		<b>10,269</b>

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CLASSIFICATION **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>																		
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE																		
<b>Aircraft Procurement, Navy</b> <b>B.A. 7- Aircraft Support Equipment and Facilities</b>					<b>War Consumables</b>																		
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003															
QUANTITY																							
COST (In Millions)	<b>\$18.715</b>	<b>\$16.576</b>	<b>\$16.014</b>	<b>\$16.925</b>	<b>\$16.614</b>	<b>\$16.382</b>	<b>\$16.699</b>	<b>\$17.154</b>															
<p>The War Consumables line funds procurement of airborne equipment which can be suspended, released, or jettisoned from aircraft, specifically aerial refueling stores. The Common Aircraft Armament Equipment (AAE) program procures common bomb racks and peculiar bomb racks and launchers for out-of-production aircraft. The two requiring managers responsible for these procurements and the funds presently assigned to them are as follows:</p> <table style="margin-left: auto; margin-right: auto; border: none;"> <thead> <tr> <th style="width: 40%;"></th> <th style="text-align: center;"><u>FY 1996</u></th> <th style="text-align: center;"><u>FY 1997</u></th> <th style="text-align: center;"><u>FY 1998</u></th> <th style="text-align: center;"><u>FY 1999</u></th> </tr> </thead> <tbody> <tr> <td style="padding-top: 20px;">War Consumables</td> <td style="text-align: center; padding-top: 20px;">6.767</td> <td style="text-align: center; padding-top: 20px;">6.157</td> <td style="text-align: center; padding-top: 20px;">5.241</td> <td style="text-align: center; padding-top: 20px;">6.214</td> </tr> <tr> <td style="padding-top: 20px;">Common Aircraft Armament Equipment (AAE)</td> <td style="text-align: center; padding-top: 20px;">11.948</td> <td style="text-align: center; padding-top: 20px;">10.419</td> <td style="text-align: center; padding-top: 20px;">10.773</td> <td style="text-align: center; padding-top: 20px;">10.711</td> </tr> </tbody> </table>										<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	War Consumables	6.767	6.157	5.241	6.214	Common Aircraft Armament Equipment (AAE)	11.948	10.419	10.773	10.711
	<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>																			
War Consumables	6.767	6.157	5.241	6.214																			
Common Aircraft Armament Equipment (AAE)	11.948	10.419	10.773	10.711																			

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 97			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b> <b>Aircraft Support Equipment and Facilities B/A 7</b>					P-1 ITEM NOMENCLATURE <b>War Consumables</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$6,767</b>	<b>\$6,157</b>	<b>\$5,241</b>	<b>\$6,214</b>	<b>\$6,101</b>	<b>\$6,013</b>	<b>\$6,130</b>	<b>\$6,297</b>
<p>The War Consumables program finances procurements of those Airborne Equipment which can be suspended, release or jettisoned from aircraft. Requirements are not developed based on the quantity of aircraft being procured but are determined by an inventory objective which supports peacetime/wartime needs. War Consumables items are inventory managed by the Naval Inventory Control Point, Philadelphia and are under Naval Air Systems Command program and technical management.</p> <p>Aircraft equipped with A/A42R-1 Aerial Refueling Stores are required to provide surge and backup refueling for the foreseeable future. With the retirement of the Navy's dedicated tanker fleet and the older Aerial Refueling Stores, evermore reliance is being placed on the A/A42R-1 Aerial Refueling Stores. Aerial refueling Store usage on cruises that have deployed without dedicated tankers, have shown higher usage rates than anticipated. The total reliance on the A/A42R-1 Aerial Refueling Store has required substantial improvements to the existing stores. Significant effort has been spent investigating the various sub-systems in pursuit of reliability enhancements and life cycle cost savings. These investigations have identified a number of areas where substantial improvements can be realized. Incorporation of these changes is planned through the 2003 timeframe.</p>								

WEAPONS SYSTEM COST ANALYSIS							DATE:			
P-5							Feb 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Aircraft Procurement, Navy				War Consumables (47C5)						
Aircraft Support Equip and Facilities BA-7										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	Aerial Refueling Stores		*	4,474	*	5,657	*	3,396	*	4,344
	Production Support			2,293		500		1,845		1,870
	* Amount requested is for various ECPs									
				6,767		6,157		5,241		6,214

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy B. A. 7 - Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <b>War Consumables, Common AAE (Y7C5)</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$11.948</b>	<b>\$10.419</b>	<b>\$10.773</b>	<b>\$10.711</b>	<b>\$10.513</b>	<b>\$10.369</b>	<b>\$10.569</b>	<b>\$10.857</b>
<p>This project corrects deficiencies in Aircraft Armament Equipment (AAE) in common, multiple, or out-of-production aircraft; maintaining a baseline to quantify shortages in accordance with OPNAVINST 8380.1 series; procuring common, multiple, or out-of-production aircraft AAE to fill shortages or to meet new requirements; providing production engineering support for AAE; and satisfying the policy goal of commonality set in accordance with the Navy's Strike Warfare Master Plan-OPNAV NOTE S3010. It also procures High Pressure Pure Air Generators (HIPAGs) for the AV-8B aircraft. The HIPAG is a replacement cooling device that is installed in missile launchers to cool infrared (IR) missile seeker heads. Operational limitations of the existing nitrogen bottles include limiting aircraft flight duration, complicating combat turnaround procedures due to frequent bottle replacement, and increasing the maintenance, logistics, and support equipment burden associated with the nitrogen bottles.</p>								

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WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								Feb 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Aircraft Procurement, Navy				War Consumables, Common AAE (Y7C5)						
B. A. 7 - Aircraft Support Equipment and Facilities										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
TBD	Bomb Rack Mod Kits & Install			2,389		966		1,076		2,199
TBD	LAU-7 Upgrade & Installation			5,162		1,840		2,838		2,930
TBD	High Press. Pure Air Gen.	A		159	130	5,314	125	4,625	80	3,200
TBD	BRU-32		100	2,300		0		0		0
TBD	ILS			250		382		326		397
TBD	Product Improvement			468		791		506		527
TBD	Product Engineering			1,220		1,126		1,402		1,458
				<b>11,948</b>		<b>10,419</b>		<b>10,773</b>		<b>10,711</b>

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)									A. DATE	
									Feb 1997	
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Aircraft Procurement, Navy				War Consumables, Common AAE (Y7C5)						
B. A. 7 - Aircraft Support Equipment and Facilities										
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<u>Bomb Rack Mod Kits</u>										
FY-96	Various	RCP/FP	NAWC AD IN	Various	Various	Various	Various 1/	Yes	No	N/A
FY-97	Various	RCP/FP	NAWC AD IN	Various	Various	Various	Various 1/	Yes	No	N/A
FY-98	Unknown	RCP/FP	NAWC AD IN	Various	Various	Various	Various 1/	Yes	No	N/A
FY-99	Unknown	RCP/FP	NAWC AD IN	Various	Various	Various	Various 1/	Yes	No	N/A
<u>LAU-7 Upgrade &amp; Installs</u>										
FY-96	Various	PO	NAWC AD IN	Various	Various	Various	Various 2/	Yes	No	N/A
FY-97	Hughes	PO	NAWC AD IN	Various	Various	Various	Various 2/	Yes	No	N/A
FY-98	Unknown	PO	NAWC AD IN	Various	Various	Various	Various 2/	Yes	No	N/A
FY-99	Unknown	PO	NAWC AD IN	Various	Various	Various	Various 2/	Yes	No	N/A
<u>High Pressure Pure Air Generator</u>										
FY-97	Ultra Electronics, England	SS/FP (OPTION)	NAVAIR	Dec-96	Nov-97	130	37,000.0	Yes	No	N/A
FY-98	Ultra Electronics, England	SS/FP (OPTION)	NAVAIR	Dec-97	Jun-98	125	37,000.0	Yes	No	N/A
FY-99	Ultra Electronics, England	SS/FP (OPTION)	NAVAIR	Dec-98	Jun-99	80	40,000.0	Yes	No	N/A
<u>BRU-32</u>										
FY-96	LUCAS/KLUNE	PO	NAWC AD IN	Jul-96	Feb-97	100	23,000.0	Yes	No	N/A
D. REMARKS										
1/ Bomb Rack Mod Kit funding will be used for various modification kits for BDU-48 Practice Bomb Adapters, IMER/ITER conversions and BRU-15 Lema. These are for different aircraft having various quantity requirements with an estimated price range of fifty (50) to eight thousand (8,000) dollars per unit kit cost.										
2/ LAU-7 funding will be used for various modification kits to implement a multiple ECP which will modify the AFT Snubber, retention band assembly, forward fairing, and latch pin; and an ECP to correct inadvertant missile loss during arrested landings.										

FY 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													DATE										
					War Consumables, Common AAE (Y7C5)																							
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996												FISCAL YEAR 1997						L A T E R					
					CALENDAR YEAR 1996												CALENDAR YEAR 1997											
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R		A P R	M A Y	J U N	J U L	A U G
High Press. Air Gen.																												
FY-97/Ultra Electronics	N	130	0	0																								130
FY-98/Ultra Electronics	N	125	0	0																								125
FY-99/Ultra Electronics	N	80	0	0																								80
BRU-32																												
FY-96/Lucas/Klune	N	100	0	100									A															100



BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy B.A. 7- Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <b>Other Production Charges</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$20.832</b>	<b>\$11.332</b>	<b>\$10.185</b>	<b>\$27.147</b>	<b>\$34.753</b>	<b>\$34.288</b>	<b>\$34.949</b>	<b>\$35.902</b>
<p>The Other Production Charges line provides funds for miscellaneous production support and testing services, aircraft cameras, various equipment for United States Coast Guard aircraft, aircraft pods and instrumentation packages supporting tactical aircrew combat training and mobile sea range systems. In FY 1999 the Joint Tactical Combat Training System (JTCTS) transitions from RDT&amp;E to APN. The requiring managers for these procurements and the funds presently assigned to them are as follows:</p>								
				<u>FY 1996</u>	<u>FY 1997</u>	<u>FY 1998</u>	<u>FY 1999</u>	
GFE Production Support				10.059	6.447	7.056	7.140	
TACTS Pods				1.407	1.028	0	0	
Mobile Sea Range (MSR) and LATR				1.358	0.983	0	0	
Joint Tactical Combat Training System (JTCTS)				0	0	0	16.848	
REWSON Cameras				6.138	1.918	2.121	2.144	
Other Cameras				1.500	.956	1.008	1.015	
Coast Guard Equipment				0.370	0	0	0	

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b> <b>APN-7 Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <b>GFE PRODUCTION SUPPORT</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$10,059</b>	<b>\$6,447</b>	<b>\$7,056</b>	<b>\$7,140</b>	<b>\$7,117</b>	<b>\$7,035</b>	<b>\$7,174</b>	<b>\$7,369</b>
<p>Preproduction, initial production, qualification testing and production engineering support for the entire range of Government Furnished Equipment being acquired for prime aircraft of system manufacturers, and safety equipment. These tests are required to qualify new or reactivated producers; to determine adequacy of previously developed hardware for fleet use. Tests are performed by commercial testing laboratories, at selected field activities or at supplier facilities under surveillance of specialists from these activities.</p> <p>Production data review related to work simplification studies (including non-standard parts control).</p> <p>Technical and production engineering support for all aspect of acquisition for in-production common avionics programs.</p> <p>Technical and production engineering support for all aspects of acquisition for in-production common avionics programs to include ASN-139, APN-217, APX-100, AYK-14, ARC-182, ARC-210, SAHRS, and CPU-140/152/175.</p>								

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WEAPONS SYSTEM COST ANALYSIS								DATE:		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD						
Aircraft Procurement, Navy				OTHER PRODUCTION CHARGES, GFE PRODUCTION SUPPORT						
APN-7 Aircraft Support Equipment and Facili										
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
	QUALITY ASSURANCE			2,091		1,921		2,100		2,090
	COMMON AVIONICS DECENTRAL.			2,347						
	OTHER PRODUCTION SUPPORT									
	NAWC- AD			4,896		1,643		1,822		1,713
	NAWC-WD			125		100		100		100
	NSWC			600		395		528		537
	CONTRACTOR PRODUCTION SUPPORT			0		2,388		2,506		2,700
				<b>10,059</b>		<b>6,447</b>		<b>7,056</b>		<b>7,140</b>

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P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 52

PAGE NO. 3

**UNCLASSIFIED**

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE			
<b>Aircraft Procurement, Navy BA-7</b>					<b>OTHER PRODUCTION CHARGES (47C6) TACTS PODS</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	1.407	1.028	0	0	0	0	0	0
<p>The Tactical Aircrew Combat Training System (TACTS) provides an instrumented air space for air-to-air and air-to-ground tactical training operations to be conducted and monitored. A joint program with the USAF, TACTS is the same as the AF Air Combat Maneuvering Instrumentation. Navy ranges are located at NAS Oceana, VA; MCAS Yuma, AZ; MCAS Beaufort, SC; NAS Fallon, NV; MCAS Cherry Pt., NC. All of the ranges are used by Navy, AF, ANG and Reserves for basic air combat training up to strike mission training. All ranges provide state vector tracking, display aircrew performance for observation by a range training officer, and present real time results of simulated weapons fired or delivered during exercises. Data is also recorded for replay of the exercise to debrief participants and enhance the training received.</p> <p>Each aircraft participant in the TACTS exercise is equipped with an Aircraft Instrumentation Subsystem (AIS) to collect and communicate the data essential for state vector tracking and weapons simulation. The AIS (pods) requires various special cables and ECPs to interface with different aircraft and weapon systems. An AIS Internal (AIS I) is used on the F/A-18 and is planned for use on the AV-8. In addition, various support equipment and test sets are required for this equipment. Inventory requirements were updated by COMNAVAIRLANT and COMNAVAIRPAC to CNO in May 1991 and January 1993 respectively, and are under review/revision to reflect changing Defense Policy Strategy and its impact on training.</p> <p>The FY-96 and FY-97 program will support the production build of interface equipment and final deliveries of the test sets and AIS I. There is no planned program to support TACTS after FY-97.</p>								

P-1 SHOPPING LIST

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WEAPONS SYSTEM COST ANALYSIS								DATE:			
P-5								February 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD				SUBHEAD NO.			
Aircraft Procurement, Navy BA-7				OTHER PRODUCTION CHARGES, TACTS PODS				47C6			
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 1996		FY 1997		FY 1998		FY 1999		
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
1.	PE/ILS		N/A	1,407	N/A	1,028	0	0	0	0	
<b>TOTAL</b>				<b>1,407</b>		<b>1,028</b>		<b>0</b>		<b>0</b>	

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BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy BA-7</b>					P-1 ITEM NOMENCLATURE <b>OTHER PRODUCTION CHARGES (47C6) MSR AND LATR</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	1.358	.983	0	0	0	0	0	0
<p>The Large Area Tracking Range (LATR) program supports battle group readiness exercises by providing independent real time GPS based tracking and display of all participants. The LATR will be integrated into existing fixed ranges at SOCAL and VACAPES. The requirement for a AFWTF LATR no longer exists. During LATR exercises, each participant must be temporarily equipped with a Participant Instrumentation Package (PIP) which contains a Relay-Reporter-Responder (R3) transponder unit. The PIPs are either external pods or internal PIPs (IPIP) and are installed on surface and aircraft platforms. The R3 unit is a transponder and data link which has the capability to range on other units or transmit data from equipment interfaced to it, and report that information back to the ground computer. R3 units are required on all participants in order to be linked with the ground system. PIPs are airborne pods (Sidewinder shape) which provide tracking and event data to the LATR ground station via a self contained transponder. There are two variants of the IPIPs, one for Fixed Wing Internal (FWI) aircraft, and one for Rotary Wing (RW) aircraft . The Ship Instrumentation Package (SIP) will provide ship track information to the LATR ground station via the self contain transponder. There is no longer a fleet requirement for Mobile Sea Range Instrumentation. The Mobile Sea Range is retired from fleet service.</p> <p>FY-96 funds will procure ECPs and PE/ILS for LATR.</p> <p>FY-97 funds will procure ECPs and PE/ILS for LATR.</p>								

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS								DATE:		
P-5								February 1997		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD				SUBHEAD NO.		
Aircraft Procurement, Navy BA-7				OTHER PRODUCTION CHARGES (47C6) MSR AND LATR				47C6		
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COST
1.	ECPs			478		357		0		0
2.	PE/ILS			880		626		0		0
<b>TOTAL</b>				<b>1,358</b>		<b>983</b>		<b>0</b>		<b>0</b>

**UNCLASSIFIED**

CLASSIFICATION **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY					P-1 ITEM NOMENCLATURE			
<b>Aircraft Procurement, Navy BA-7</b>					<b>OTHER PRODUCTION CHARGES (47C6) JTCTS</b>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	0	0	0	16.848	24.535	24.194	24.659	25.331
<p>The Joint Tactical Combat Training System (JTCTS) will transition from Research Development Testing and Evaluation, program element 0204571N, to procurement in FY 1999. The JTCTS will develop and procure fixed, transportable, and mobile range instrumentation equipment for the NSN 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 exercise feedback. JTCTS will build 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 in-port Battle Force Tactical Trainer program. JTCTS will incorporate the Defense Modeling and Simulation Office sponsored Distributed Interactive Simulation protocol data unit and the High Level Architecture for the interoperability with the Navy and other service live, virtual (simulators), and constructive (war games) simulations.</p> <p>FY-99 funding will procure (1) low rate initial production for establishing initial operational capability for the Littoral Warfare Training Complex (LWTC).</p>								

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS							DATE:			
P-5							February 1997			
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE/SUBHEAD							
Aircraft Procurement, Navy BA-7			OTHER PRODUCTION CHARGES (47C6) JTCTS							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COST
1.	INTERFACE UNITS		0	0	0	0	0	0	83	14,463
2.	PE/ILS		0	0	0	0	0	0	N/A	2,385
<b>TOTAL</b>				<b>0</b>		<b>0</b>		<b>0</b>		<b>16,848</b>

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WEAPONS SYSTEM COST ANALYSIS								DATE:			
P-5								February 1997			
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD							
Aircraft Procurement, Navy BA-				OTHER PRODUCTION CHARGES (47C6) JTCTS							
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS								
			FY 2000		FY 2001		FY 2002		FY 2003		
			QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COST	
1.	INTERFACE UNITS		169	21,168	172	20,843	174	21,291	180	21,803	
2.	PE/ILS		N/A	3,367	N/A	3,351	N/A	3,368	N/A	3,528	
				24,535		24,194		24,659		25,331	

DD FORM 2446, JUN 86

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 52 PAGE NO. 10

**UNCLASSIFIED**

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE			
B. APPROPRIATION/BUDGET ACTIVITY								C. P-1 ITEM NOMENCLATURE			SUBHEAD
Aircraft Procurement, Navy BA-7								OTHER PRODUCTION CHARGES			47C6
JTCTS											
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE	
1. INTERFACE UNIT FY-99	RAYTHEON PORTSMOUTH, R.I.	CP/IF	NAVAIR	3/99	3/00	83	174 1/	NO	NO	N/A	
D. REMARKS											
1/ AVERAGE UNIT COST											

CLASSIFICATION:

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE February 1997	
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE					
Aircraft Procurement, Navy BA-7				OTHER PRODUCTION CHARGES (47C6) JTCTS					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
1. INTERFACE UNITS	1100	0	0	0	0	0	83	1017	
MEMO ENTRIES									
COST CODE:									
1. LWTC, Cherry Point will initial production outfitting from FY 99 procurement.									

P-1 SHOPPING LIST

ITEM NO

52

PAGE NO

12

CLASSIFICATION:

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FY 1998/99 BUDGET PRODUCTION SCHEDULE										P-1 ITEM NOMENCLATURE										DATE																									
										OTHER PRODUCTION CHARGES (47)										February 1997																									
ITEM/MANUFACTURER/ PROCUREMENT YEAR	FISCAL YEAR 1998										FISCAL YEAR 1999										FISCAL YEAR 2000										L A T E R														
	1997										CALENDAR YEAR 1998										CALENDAR YEAR 1999											CALENDAR YEAR 2000													
	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	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								
1. INTERFACE UNITS FY-99																																													
TOTAL	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	0	0	0	0	0
	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	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P									
REMARKS																																													

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY-7 AIRCRAFT SUPPORT EQUIPMENT & FACILITIES OTHER PRODUCTION CHARGES					P-1 ITEM NOMENCLATURE AERIAL CAMERAS REWSON      SUBHEAD: Y7C6			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$ 6.138	\$ 1.918	\$ 2.121	\$ 2.144	\$ 2.105	\$ 2.075	\$ 2.114	\$ 2.173
<p>This P-1 sub-line finances the procurement of aerial cameras and related support and test equipment for Naval Aircraft. Applications include, but are not limited to reconnaissance, surveillance, bomb damage and strike photography. Equipment procured are used to provide intelligence gathering equipment for the F-14 TARPS and replacement/retrofit cameras for the TARPS pod. The items being purchased are required to replace obsolete and worn equipment, meet the needs of current requirements regarding reconnaissance, and ensure safety requirements are met.</p>								

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS									DATE: February 1997	
APPROPRIATION/BUDGET ACTIVITY P-5 AIRCRAFT SUPPORT EQUIPMENT & FACILITIES OTHER PRODUCTION CHARGES				P-1 ITEM NOMENCLATURE/SUBHEAD AERIAL CAMERAS REWSON						
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
74200	MISC SMALL EQUIPMENT & ECPS	A	N/A	4,720	N/A	1,658		1,851		1,864
74200	ASQ-197 SENSOR DATA CONTROLS	A	14	1,418	2	260	2	270	2	280
	<b>TOTAL</b>			<b>6,138</b>		<b>1,918</b>		<b>2,121</b>		<b>2,144</b>

DD FORM 2446, JUN 86

P-1 SHOPPING LIST  
ITEM NO. PAGE NO.

CLASSIFICATION:

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# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE <b>February 1997</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT SUPPORT EQUIPMENT &amp; FACILITIES OTHER PRODUCTION CHARGES</b>				C. P-1 ITEM NOMENCLATURE <b>AERIAL CAMERAS REWSON</b>				SUBHEAD		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>ASQ-197 SENSOR DATA CONTROLS</b>										
FY 1996	FAIRCHILD-Germantown, M	SS/RCP/FP	NAWC, IND	May-96	Nov-96	14	101.3	YES	NO	NO
FY 1997	FAIRCHILD-Germantown, M	SS/RCP/FP	Hughes	Apr-97	Nov-97	2	130.0	YES	NO	NO
FY 1998	FAIRCHILD-Germantown, M	SS/FP	NAVAIR	Jan-98	Sep-98	2	135.0	YES	NO	NO
FY 1999	FAIRCHILD-Germantown, M	SS/FP	NAVAIR	Jan-99	Sep-99	2	140.0	YES	NO	NO
<b>D. REMARKS</b> * THE UNIT COST DOES NOT INCLUDE ASSOCIATED EQUIPMENT AS FOLLOWS: LM-236A TEST PROGRAM SETS, RECORDING HEAD ASSEMBLIES, AND INTERFACE UNITS WIRING KITS.										

Y 1998/99 BUDGET PRODUCTION SCHEDULE					P-1 ITEM NOMENCLATURE													Date February 1997											
ITEM / MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BAL. DUE AS OF 1 OCT	FISCAL YEAR 1996												FISCAL YEAR 1997												L A T E R
					CALENDAR YEAR 1996												CALENDAR YEAR 1997												
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
ASQ-197 SENSOR DATA CONTROL																													
FAIRCHILD FY 1996		14																2	2		2	2		2	2				
FAIRCHILD FY 1997		2																											
FAIRCHILD FY 1998		2																											
FAIRCHILD FY 1999		2																											
<b>TOTAL</b>		0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
					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	
					PROCUREMENT LEAD TIME												REMARKS												
MANUFACTURER'S NAME AND LOCATION	PRODUCTION RATES	RCH'D			ADMIN LEAD TIME												MANU-FACTURING TIME	TOTAL											
	1-8-5	MAXIMUM	D +																										
FAIRCHILD, GERMANTOWN, MD	2/MO	10/MO		PRIORITY												AFTER	AFTER												
				1 OCT												1 OCT	1 OCT												
				INITIAL																									
				REORDER (Previous Source)																									



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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE February 1997	
APPROPRIATION/BUDGET ACTIVITY-7 AIRCRAFT SUPPORT EQUIPMENT & FACILITIES OTHER PRODUCTION CHARGES				P-1 ITEM NOMENCLATURE AERIAL CAMERAS REWSON SUBHEAD 74200					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
ASQ-197 SENSOR DATA CONTROL	65	0	41	14	2	2	2	4	DOLLAR CONSTRAINTS
<b>MEMO ENTRIES</b>									
<p><b>COST CODE:</b> ASQ-197 SENSOR CONTROL</p> <p>F-14 TARPS TRANSITION FROM ANALOG TO DIGITAL CONTROL FOR COMPATABILITY WITH 1553 BUS</p>									

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CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: Feb 1997			
APPROPRIATION/BUDGET ACTIVITY: 7 AIRCRAFT SUPPORT EQUIPMENT & FACILITIES					P-1 ITEM NOMENCLATURE OTHER CAMERAS SUBHEAD: Y7C6			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$ 1.500	\$ 0.956	\$ 1.008	\$ 1.015	\$ 0.996	\$ 0.984	\$ 1.002	\$ 1.029
<p>'This program provides Aerial Cameras and support equipment used in surveillance missions. Systems procured are used to support aerial photographic operations, to include, bomb damage assessment, sea/land/air surveillance, and potential targeting imagery. Procurement includes hand held digital camera systems and digital imagery workstations. Imagery is used to provide visual assistance to enhance decision making throughout the operational chain of command.</p>								

CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS									DATE: Feb 1997	
APPROPRIATION/BUDGET ACTIVITY: 7 AIRCRAFT SUPPORT EQUIPMENT & FAI					P-1 ITEM NOMENCLATURE/SUBHEAD OTHER CAMERAS/Y7C6					
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS							
			FY 1996		FY 1997		FY 1998		FY 1999	
			QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
74300	ENGINEERING/LOGISTICS SUPPORT FOR DIGITAL CAMERA SYSTEM	N/A	N/A	400	N/A	269		261		248
74300	MISC SMALL EQUIPMENT UNDER \$100K	N/A		0		87		122		67
74300	BASE STATION W/ PRINTER	N/A	10	1,100	4	600	1	155		
74300	DIGITAL CAMERA	N/A		0		0	24	470	35	700
	<b>TOTAL</b>			<b>1,500</b>		<b>956</b>		<b>1,008</b>		<b>1,015</b>

DD FORM 2446, JUN 86

P-1 SHOPPING LIST  
ITEM NO. PAGE NO.

CLASSIFICATION:

**UNCLASSIFIED**

# UNCLASSIFIED

CLASSIFICATION:

BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE <b>Feb 1997</b>		
B. APPROPRIATION/BUDGET ACTIVITY <b>AIRCRAFT SUPPORT EQUIPMENT &amp; FACILITIES</b>				C. P-1 ITEM NOMENCLATURE <b>OTHER CAMERAS</b>				SUBHEAD <b>Y7C6</b>		
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
<b>BASE STATION</b>										
FY 1996	NRAD, PHILA	SS/MIPR/FP	NRAD, PHILA	Jun-96	Dec-96	10	100.0	N/A	N/A	N/A
FY 1997	NRAD, PHILA	SS/MIPR/FP	NRAD, PHILA	Jun-97	Dec-97	4	102.2	N/A	N/A	N/A
FY 1998	NRAD, PHILA	SS/MIPR/FP	NRAD, PHILA	Jun-98	Dec-98	1	155.0	N/A	N/A	N/A
<b>DIGITAL CAMERA</b>										
FY 1998	EASTMAN KODAK -ROCHESTER, NY	SS/MIPR/FP	NRAD, PHILA	May-98	Sep-98	24	19.6	N/A	N/A	N/A
FY 1999	EASTMAN KODAK -ROCHESTER, NY	SS/MIPR/FP	NRAD, PHILA	May-99	Sep-99	35	20.0	N/A	N/A	N/A
<b>D. REMARKS:</b> THE UNIT COST DOES NOT INCLUDE ASSOCIATED EQUIPMENT AS FOLLOWS: LM-236A TEST PROGRAM SETS, RECORDING HEAD ASSEMBLIES, AND INTERFACE UNITS WIRING KITS.										

CLASSIFICATION:

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REQUIREMENTS STUDY - NOT-INSTALLED NONCONSUMABLES P-23B								DATE Feb 1997	
APPROPRIATION/BUDGET ACTIVITY-7 AIRCRAFT SUPPORT EQUIPMENT & FACILITIES				P-1 ITEM NOMENCLATURE OTHER CAMERAS					
ITEM/PROJECT UNIT	TOTAL I0 / REQUIREMENT	QUANTITY ON HAND & NOT IN USE	QUANTITY IN USE	QUANTITY DUE IN WITH FY 96 & PRIOR FUNDS	QUANTITY DUE IN WITH FY 97 PROGRAM FUNDS	PLANNED BUDGET YEAR PROCUREMENT FY 98	PLANNED BUDGET YEAR PROCUREMENT FY 99	BALANCE	PHASING RATIONALE
BASE STATION WITH PRINTER	20	0	2	12	4	1	0	1	DOLLAR CONSTRAINTS
DIGITAL CAMERA	224	0	16	0	0	24	35	149	TECHNOLOGY AVAILABILITY DOLLAR CONSTRAINTS
<b>MEMO ENTRIES</b>									
<b>COST CODE:</b>									
BASE STATION W/ PRINTER	DIGITAL CAMERA								
CVS 13 @ 1 13	CVS 13 @ 16 208								
+ 7 SPARES: 20	+ 16 SPARES: 224								

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: February 1997			
APPROPRIATION/BUDGET ACTIVITY Aircraft Procurement, Navy					P-1 ITEM NOMENCLATURE Other Production Charges U.S. Coast Guard			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	\$0.370	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0
<p>Title 10, United States Code Section 2571 and Title 14, United States Code Section 145 provides among other things, statutory authority for exchange of personnel, vessels, facilities, equipment, supplies, and services between the Navy and Coast Guard. To ensure the ready integration of the Coast Guard or specific Coast Guard units into the Navy in the time of war or other emergency as approved by the President of the United States, the Chief of Naval Operations has agreed to provide to the Coast Guard without reimbursement Navy-owned, Military readiness equipment and associated support materials that the Navy deems necessary.</p>								

P-1 SHOPPING LIST

CLASSIFICATION:

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CLASSIFICATION: **UNCLASSIFIED**

WEAPONS SYSTEM COST ANALYSIS							DATE:						
P-5							February 1997						
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE/SUBHEAD									
Aircraft Procurement, Navy				Other Production Charges U.S. Coast Guard									
COST CODE	ELEMENT OF COST	IDENT CODE	TOTAL COST IN THOUSANDS OF DOLLARS										
			FY 1996		FY 1997		FY 1998		FY 1999				
			QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COS	QTY	TOTAL COS			
	Data Loader		22	370									
				370		0		0		0			0

DD FORM 2446, JUN 86

P-1 SHOPPING LIST  
ITEM NO. 52 PAGE NO. 26

CLASSIFICATION:

**UNCLASSIFIED**

CLASSIFICATION:

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BUDGET PROCUREMENT HISTORY AND PLANNING EXHIBIT (P-5A)								A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY				C. P-1 ITEM NOMENCLATURE				SUBHEAD		
Aircraft Procurement, Navy				Other Production Charges U.S. Coast Guard						
Cost Element/ FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST (000)	SPECS AVAILABLE NOW	SPEC REV REQ'D	IF YES WHEN AVAILABLE
DATA LOADER										
FY 1994	FAIRCHILD	OPTION	NAWC/INDY	3/94	5/95	39	26.3	YES	NO	
FY 1995	ORBITAL SCI.	C/FP	NAWC/INDY	8/95	5/96	85	17.4	YES	NO	
FY 1996	ORBITAL SCI. Gaithersburg, MD	OPTION	NAWC/INDY	4/96	5/97	22	16.8	YES	NO	
D. REMARKS										

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CLASSIFICATION **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b> <b>APN-7 Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <i>Special Support Equipment</i>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$12.513</b>	<b>\$8.736</b>	<b>\$23.302</b>	<b>\$14.693</b>	<b>\$46.183</b>	<b>\$44.038</b>	<b>\$20.621</b>	<b>\$1.981</b>
<p>Details of this P-1 item are classified. Justification of this request is provided separately.</p>								

CLASSIFICATION: **UNCLASSIFIED**

BUDGET ITEM JUSTIFICATION SHEET P-40					DATE: <b>Feb 1997</b>			
APPROPRIATION/BUDGET ACTIVITY <b>Aircraft Procurement, Navy</b> <b>APN-7 Aircraft Support Equipment and Facilities</b>					P-1 ITEM NOMENCLATURE <i>First Destination Transportation</i>			
	FY 1996	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003
QUANTITY								
COST (In Millions)	<b>\$2.905</b>	<b>\$1.925</b>	<b>\$1.717</b>	<b>\$1.748</b>	<b>\$1.766</b>	<b>\$1.784</b>	<b>\$1.806</b>	<b>\$1.833</b>
<p>This line finances the movement of newly procured equipment and material from the contractor's plant to the initial point of receipt by the Government . This program, previously funded in the Operations and Maintenance, Navy appropriation has been transferred to the procurement appropriation to more accurately reflect the full cost of equipment acquisition.</p>								

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