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



# JUSTIFICATION OF ESTIMATES FEBRUARY 1999

AIRCRAFT PROCUREMENT, NAVY
Volume III:
BUDGET ACTIVITY 7

#### UNCLASSIFIED

#### Department of the Navy

Exhibit P-1

## FY 2000/2001 Procurement Program

APPROPRIATION: 1506N Aircraft Procurement, Navy DATE: February 1999 TOA, \$ IN MILLIONS (DOLLARS) ----- S LINE IDENT FY 2000 ----FY 1998--- ----FY 1999--- E UNIT COST QUANTITY COST QUANTITY COST QUANTITY COST C NO ITEM NOMENCLATURE CODE -----BUDGET ACTIVITY 07: Aircraft Support Equipment and Facilities Aircraft Support Equipment and Facilities 51 0705 Common Ground Equipment 264.8 318.8 413.7 302.4 U 52 0715 Aircraft Industrial Facilitie A 16.4 11.9 12.8 12.5 U 53 0720 War Consumables 11.2 11.7 13.5 13.2 U 7.2 54 0725 Other Production Charges 11.5 40.0 36.6 U 55 0735 Special Support Equipment 22.6 14.3 34.2 5.9 U 56 0740 First Destination Transportat A 4.7 1.7 1.5 1.5 U 57 0790 Cancelled Account Adjustments A 8.8 TOTAL Aircraft Support Equipment and Facilities 342.4 365.1 513.8 372.1

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

Budget Plan (amounts for PROCUREMENT actions programed)

Identification code 17-1506-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
Program by activities:				
Direct program:				
00.0101 Combat aircraft	3,666,192		4,614,610	
00.0201 Airlift aircraft	29,684	137,226	331,314	331,931
00.0301 Trainer aircraft	282,570	300,158	379,854	398,547
00.0401 Other aircraft	117,143	112,072	12,257	4,799
00.0501 Modification of aircraft			1,504,977	
00.0601 Aircraft spares and repair parts	676,710	734,016	871,820	858,349
00.0701 Aircraft support equipment and facilities	676,710 342,386	365,098	513,823	372,083
00.9101 Total direct program			8,228,655	
01.0101 Reimbursable program	645	7,100	7,100	7,100
10.0001 Total	6,588,859	7,513,457	8,235,755	8,017,980
Financing:				
Offsetting collections from:				
11.0001 Federal funds(-)	-645	-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	-29,200			
21.4009 Reprograming from/to prior year budget plans	-10,785			
Unobligated balance available, end of year:				
24.4002 For completion of prior year budget plans				
25.0001 Unobligated balance expiring	10,785			
39.0001 Budget authority		7,506,357	8,228,655	8,010,880
Budget authority:				
40.0001 Appropriation	6,506,244	7,519,709	8,228,655	8,010,880
40.1501 Appropriation (emergency)	272,500			
40.7601 Reduction pursuant to P.L. 105-56 (-), 8041	-118,293			
41.0001 Transferred to other accounts (-)	-102,977	-13,352		
42.0001 Transferred from other accounts	1,540			
43.0001 Appropriation (adjusted)			8,228,655	

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

Obligations

Identifi	cation code 17-1506-0-1-051	1998 actual		2000 est.	
P:	rogram by activities:				
	Direct program:				
00.0101	Combat aircraft	3,940,615	3,722,295	4,238,565	4,775,206
00.0201	Airlift aircraft	8,753	125,891	281,089	318,209
00.0301	Trainer aircraft	333,586	257,612	281,089 342,828 26,573	388,854
00.0401	Other aircraft	132,547	95,747	26,573	13,428
00.0501	Modification of aircraft	1,661,628	1,493,805	1,439,302	1,268,011
00.0601	Aircraft spares and repair parts	695,027		790,446	
00.0701	Aircraft support equipment and facilities	366,310	307,118	457,049	392,854
00.9101	Total direct program			7,575,852	
01.0101	Reimbursable program	6,737	7,700	7,145	7,100
10.0001	Total	7,145,203	6,585,701	7,582,997	8,015,329
F	inancing:				
	Offsetting collections from:				
	Federal funds(-)	-3,591	-7,100	-7,100	-7,100
17.0001	Recovery of prior year obligations	-25,496			
	Unobligated balance available, start of year:				
	For completion of prior year budget plans		-757,294	-1,685,050	-2,337,808
	Available to finance new budget plans	-29,200			
21.4009	Reprograming from/to prior year budget plans				
	Unobligated balance available, end of year:				
24.4002	For completion of prior year budget plans	•	1,685,050	2,337,808	2,340,459
25.0001	Unobligated balance expiring	10,785			
	Budget authority	6,559,014	7,506,357	8,228,655	8,010,880
	Budget authority:				
40.0001	Appropriation	6,506,244	7,519,709	8,228,655	8,010,880
40.1501	Appropriation (emergency)	272,500			
40.7601	Reduction pursuant to P.L. 105-56 (-), 8041	-118,293			
41.0001	Transferred to other accounts (-)		-13,352		
42.0001	Transferred from other accounts	1,540			
43.0001	Appropriation (adjusted)	6,559,014	7,506,357	8,228,655	

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

Obligations

Identification code 17-1506-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
Relation of obligations to outlays:				
71.0001 Obligations incurred	7,141,612	6,578,601	7,575,897	8,008,229
72.1001 From Federal sources: Receivables and unpaid, unfilled orders, SOY	9,194	1,808	1,808	1,808
72.4001 Obligated balance, start of year	7,927,332	9,066,831	9,045,439	9,495,143
74.1001 From Federal sources: Receivables and unpaid, unfilled orders, EOY	-1,808	-1,808	-1,808	-1,808
74.4001 Obligated balance, end of year	-9,066,831	-9,045,439	-9,495,143	-9,948,267
77.0001 Adjustments in expired accounts (net)	-138,715			
78.0001 Adjustments in unexpired accounts	-25,496			
90.0001 Outlays (net)	5,845,287	6,599,993	7,126,193	7,555,105

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

Identification code 17-1506-0-1-051	1998 actual	1999 est.	2000 est.	2001 est.
Direct obligations:				
125.101 Advisory and assistance services	96,932	99,594	105,319	101,865
Purchases goods/services from Government accounts				
125.303 Purchases from revolving funds	516,783	411,403	389,063	331,425
126.001 Supplies and materials	373,578	323,766	216,775	219,119
131.001 Equipment	6,151,173	5,743,238	6,864,695	7,355,820
199.001 Total Direct obligations	7,138,466	6,578,001	7,575,852	8,008,229
Reimbursable obligations:				
231.001 Equipment	6,737	7,700	7,145	7,100
299.001 Total Reimbursable obligations	6,737	7,700	7,145	7,100
999.901 Total obligations	7,145,203	6,585,701	7,582,997	8,015,329

# COMPARISON OF FY 1998 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1999 PRESIDENT'S BUDGET WITH FY 1998 PROGRAM REQUIREMENTS SHOWN IN FY 2000 PRESIDENT'S BUDGET

## (In Thousands of Dollars)

Rec	otal Program Juirements per 1999 Budget	Total Program Requirements per FY 2000 Budget	Increase (+) or Decrease (-)
Combat Aircraft	\$ 3,391,481	3,666,192	\$ +274,711
Airlift Aircraft	29,684	29,684	
Trainer Aircraft	284,673	282,570	-2,103
Other Aircraft	117,143	117,143	
Modification of Aircraft	1,468,478	1,473,529	+5,051
Aircraft Spares and Repair Parts	663,364	676,710	+13,346
Aircraft Support Equipment and Facilities	332,706	342,386	+9,680
Reimbursable Program	7,100	<u>645</u>	
TOTAL FISCAL YEAR PROGRAM	\$ 6,294,629	\$ 6,588,859	\$+294,230

# **EXPLANATION BY BUDGET ACTIVITY (B. A.)**

# Combat Aircraft (+\$274.711 million):

Major changes in this budget activity include the DOD Supplemental for F-18 C/D for procurement of 8 aircraft (+\$272.5 million); an unrealized reprogramming, that had been anticipated in the FY 1999 President's Budget submission, from the F/A-18 E/F aircraft program to RDT&E appropriation (+\$26 million); a reduction to the F/A-18 E/F aircraft program for the FY 1998 Military Personnel, Navy reprogramming (-\$14.855).

million); a BTR from P-3 Series to V-22 aircraft to fund target to ceiling costs on prime contract (+6.886 million); a BTR from AV-8 Series to the AV-8 aircraft program to fund critical support shortfalls (+\$7.2 million); and multiple below threshold reprogrammings (BTRs) to execute current program requirements (-\$23.02 million).

### **Trainer Aircraft (-\$2.103 million)**

Minor adjustments in this budget activity include a realignment from T-45TS Trainer to Other Production Changes for Government Furnished Equipment Support (-\$.189 million), a BTR from T-45TS Trainer aircraft program to the Trainer Aircraft Series program for the CT-39G modification program for GPS (-\$1.35 million) and various other slight adjustments to effectively accomplish planned program objectives (-\$.564 million).

### **Modification of Aircraft** (+\$5.051 million):

Major changes in this budget activity are the following adjustments for unrealized offsets, that had been anticipated in the FY 1999 President's Budget, for the FY 1998 Military Personnel, Navy reprogramming: AH-1W Series (+\$11 million), H-1 Series (+\$2 million), and F-18 Series (+\$6 million); a reduction to the Common Avionics program for the FY 1998 Military Personnel, Navy reprogramming (-\$3.5 million); a transfer for Counter Drug Interdiction support (+\$1.54 million); a BTR from AV-8 Series to the AV-8 aircraft program to fund critical support shortfalls (-\$7.2 million); a BTR from P-3 Series to V-22 aircraft to fund target to ceiling costs on prime contract (-\$6.886 million) and multiple minor BTR actions to effectively execute program requirements (+\$2.097 million).

## **Spares** (+\$13.346 million):

Changes in this budget activity are a BTR action from various other budget activities to fund Aviation Outfitting shortfalls (+\$11.508 million); and several BTR actions to effectively execute current program requirements including internal realignments within the Spares account to fund AOA shortfalls, E-6A requirements, and P-3 AIP spares requirements (+\$1.838 million).

## Aircraft Support Equipment and Facilities (+\$9.68 million):

Changes in this budget activity are several BTR actions to fund First Destination Transportation Charges (+\$3 million); various BTR actions to fund Canceled Account Adjustments (+\$7.481 million); and several BTR actions to execute current requirements (-\$.801 million).

## Reimbursable Program (-\$6.455 million):

Actual reimbursable program collections are less than were anticipated in the budget plan.

# COMPARISON OF FY 1998 FINANCING AS REFLECTED IN FY 1999 PRESIDENT'S BUDGET WITH FY 1998 FINANCING SHOWN IN FY 2000 PRESIDENT'S BUDGET

## (In Thousands of Dollars)

	Financing per FY 1999 Budget	Financing per FY 2000 <u>Budget</u>	Increase (+) or <u>Decrease (-)</u>
Program Requirements (Total)	6,294,629	6,588,859	+294,230
Program Requirements (Service account)	6,287,529	6,588,214	+300,685
Program Requirements (Reimbursable)	7,100	645	-6,455
Less:			
Anticipated Reimbursements	7,100	645	+6,455
Available to finance new budget plans	24,000	29,200	-5,200
Unobligated balance expiring		10,785	-10,785
Transferred from other account		1,540	-1,540
Appropriation (emergency)		272,500	-272,500
Add:			
Transferred to other accounts	129,622	102,977	-26,645
Appropriation Rescinded (unoblig. balance)	24,000		-24,000
Reduction pursuant P.L. 105-56	118,293	118,293	
Reprogrammings from/to prior year budgets.		<u>10,785</u>	+10,785
Appropriation	6,535,444	6,506,244	-29,200

# **EXPLANATION OF CHANGES IN FINANCING**

The change in program financing of \$294,230,000 is due to increased program account needs (+\$300,685,000) explained previously plus fewer actual orders than anticipated in the reimbursable account (-\$6,455,000).

Financing changes reduce the appropriation by the new amount of -\$29,200,000. Financing adjustments include transfers of -\$26,645,000, -\$24,000,000 relating to unobligated balances, and +\$10,785,000 for reprogrammings associated with prior year budget plans. These were offset by +\$6,455,000 anticipated reimbursables, -\$5,200,000 funds to finance new budget plans, -\$10,785,000 unobligated balances expiring, -\$1,540,000 transferred from other accounts, and -\$272,500,000 for an emergency supplemental appropriation.

# COMPARISON OF FY 1999 PROGRAM REQUIREMENTS AS REFLECTED IN FY 1999 PRESIDENT'S BIENNIAL BUDGET WITH FY 1999 PROGRAM REQUIREMENTS SHOWN IN FY 2000 PRESIDENT'S BUDGET

## (In Thousands of Dollars)

	Total Program Requirements per FY 1999 Budget	Total Program Requirements per FY 2000 Budget	Increase (+) or Decrease (-)
Combat Aircraft	\$ 4,289,737	\$ 4,263,383	\$ -26,354
Airlift Aircraft	132,187	137,226	+5,039
Trainer Aircraft	342,826	300,158	-42,668
Other Aircraft	0	112,072	+112,072
Modification of Aircraft	1,594,602	1,594,404	-198
Aircraft Spares and Repair Parts	727,838	734,016	+ 6,178
Aircraft Support Equipment and Facilities	379,544	365,098	- 14,446
Reimbursable Program  TOTAL FISCAL YEAR PROGRAM	7,100 \$7,473,834	7,100 \$ 7,513,457	\$\frac{-}{\$+39,623}

# **EXPLANATION BY BUDGET ACTIVITY**

# Combat Aircraft (-\$26.354 million):

Major changes in this budget activity include Congressional action to reduce the AV-8B (VSTOL) Harrier aircraft program (-\$3.2 million) and the F/A-18 E/F (Fighter) Hornet program (-\$15 million); the following Congressional reductions: Revised Economic Assumptions (-\$12.445 million) and Advisory and Assistance Services (-\$5.209 million); and a BTR action from the E-2C modification program to the E-2C aircraft program for a propeller engineering change proposal (+\$9.5 million).

#### Airlift Aircraft (+\$5.039 million):

Major changes in this budget activity include Congressional action only to procure 1 CH-60 helicopter (+\$19 million); the following Congressional reductions: Revised Economic Assumptions (-\$.44 million), and Advisory and Assistance Services (-\$.169 million); and a reprogramming from the CH-60 helicopter aircraft program to the CH-60 Research, Development, Test and Evaluation (RDT&E) program within the RDT&E appropriation (-\$13.352 million).

#### **Trainer Aircraft (-\$42.668 million):**

Major changes in this budget activity include Congressional action to increase T-45TS Trainer aircraft funding (+\$10.9 million) and reduce the T-45TS Advanced Procurement program due to disapproval of the Multiyear acquisition strategy (-\$52.159 million); and the following Congressional reductions: Revised Economic Assumptions (-\$.878 million), and Advisory and Assistance Services (-\$.531 million).

## Other Aircraft (+\$112.072 million):

Major changes in this budget activity include Congressional action to procure 2 KC-130J aircraft for the Marine Corps (\$112.4 million); and a Congressional reduction for Revised Economic Assumptions (-\$.328 million).

## **Modification of Aircraft (-\$.198 million)**

Major changes in this budget activity include Congressional action to the following modification programs: Common Avionics Changes (-\$2 million), AH-1 Series (+\$.5.5 million), H-1 Series (+\$8 million), AV-8 Series (-\$12.6 million), P-3 Series (\$23 million), EP-3 Series (+\$2 million), ES-3 Series (-\$5.172 million), EA-6 Series (+\$20 million), E-2 Series (+\$2 million), F-14 Series (-\$7.3 million), F-18 Series (-\$3.9 million), and Common ECM Equipment (-\$.3 million); the following Congressional reductions: Revised Economic Assumptions (-\$4.72 million), and Advisory and Assistance Services (-\$6.906 million); a BTR action from E-2C Series to the E-2C aircraft program (-\$9.5 million); and a few BTRs within this budget activity to meet current program requirements.

## <u>Aircraft Spares and Repair Parts (+\$6.178 million):</u>

Changes in this budget activity consist of a Congressional reduction for Revised Economic Assumptions (-\$2.122 million); and a few BTRs within this budget activity to meet current program requirements.

## **Aircraft Support Equipment and Facilities (-\$14.446 million):**

Major changes in this budget activity include the following Congressional actions: a reduction to Common Ground Equipment (-\$9 million); a reduction from the Aircraft Industrial Facilities (-\$1.8 million) and the following Congressional reductions: Revised Economic Assumptions (-\$1.067 million), and Advisory and Assistance Services (-\$2.579 million).

# COMPARISON OF FY 1999 FINANCING AS REFLECTED IN FY 1999 BIENNIAL BUDGET WITH FY 1999 FINANCING SHOWN IN FY 2000 PRESIDENT'S BUDGET

## (In Thousands of Dollars)

	Financing per FY 1999 <u>Budget</u>	Financing per FY 2000 <u>Budget</u>	Increase (+) or <u>Decrease (-)</u>
Program Requirements (Total)	7,473,834	7,513,457	+39,623
Program Requirements (Service account)	7,466,734	7,506,357	+39,623
Program Requirements (Reimbursable)	7,100	7,100	
Less:			
Anticipated Reimbursements	7,100	7,100	
Add:			
Transferred to other accounts		13,352	+13,352
Appropriation	7,466,734	7,519,709	+52,975

# **EXPLANATION OF CHANGES IN FINANCING**

The change in program requirements of \$39,623,000 is the result of specific Congressional increases of \$226,200,000 and specific reductions of -\$135,831,000 which were offset by Congressionally directed decreases for Revised Economic Assumptions (-\$22,000,000), Advisory and Assistance Services (-\$15,394,000), and a Departmental reprogramming of (-\$13,352,000), as previously explained.

A financing change increases the appropriation to the new amount of \$52,975,000. The only financing adjustment is a transfer of \$13,352,000.

## AIRCRAFT PROCUREMENT, NAVY

For construction, procurement, production, modification and modernization of aircraft, equipment, including ordnance, spare parts, and accessories therefore; specialized equipment; expansion of public and private plants, including the land necessary therefore, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; and procurement and installation of equipment, appliances, and machine tools in public and private plants; reserve plant and Government and contractor-owned equipment layaway; \$8,228,655,000 to remain available for obligation until September 30, 2002.

# **FINANCING**

FY 2000 budget plan of \$8,228,655,000 for the Aircraft Procurement, Navy appropriation is to be financed by new obligational authority.

CLASSIFICATION: UN	CLASSIFIE	ZD .											
				BUL	OGET ITEM J	USTIFICATIO	N SHEET						
	P-40												
APPROPRIATION / BU	DGET ACTI	VITY				P-1 ITEM NO	MENCLATU	RE		Date: February 1999			
APN-7 AIRCRAFT EQUIPMENT AND FACILITIES							COMMON GROUND EQUIPMENT						
FISCAL YEARS	Prior	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To		
	Years										Complete	Total	
QUANTITY													
COST (in millions)	*	\$ 291.070	\$ 264.823	\$ 318.806	\$ 413.732	\$ 302.40	\$ 345.701	\$ 310.919	\$ 308.286	\$ 267.059	Cont'd	Cont'd	

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:

	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Ground Support Equip	127.011	115.012	144.802	154.354	123.126	129.370	115.172	118.536	118.548
Consolidated Auto Supt Sys	103.483	88.075	95.883	118.31	100.855	112.211	106.605	107.349	102.832
Mobile Maint Facilities	0.703	7.643	7.212	4.961	4.951	5.054	5.137	5.268	5.402
Training	59.873	54.093	70.909	136.107	73.468	99.066	84.005	77.133	40.277
TOTAL	\$291.070	\$264.823	\$318.806	\$413.732	\$302.40	\$345.701	\$310.919	\$308.286	\$267.059

DD FORM 2454, JUN 86

CLASSIFICATION

# **UNCLASSIFIED**

	l	BUDGET I	TEM JUSTIFIC	CATION SHE	EET FOR AC	GREGATE	DITEMS			DATE:	F	ebruary 199	9
APPROPRIATION/BUDG	SET ACTI	VITY			1 <del>10</del> u			P-1 ITEM NON	MENCLATURE		<u> </u>	obradiy 100	
Aircraft Procuremer	nt, Navy	1						C	ONSOLIDAT	ED AUTOM	ATED SUPP	ORT SYSTE	ΞM
Procurement Items	ID Code	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Automatic Test Equipment			60,805	62,769	47,099	76,789	50,759	57,244	42,420	43,326	50,715		491,926
Aircraft Common SE			53,138	34,761	79,392	72,540	67,884	66,151	56,335	67,593	62,799		560,593
ICP/HQM SE			13,068	17,482	18,311	5,025	4,483	5,975	16,417	7,617	5,034		93,412
Consolidated Automa	ated Sur	ot Sys	103,483	88,075	95,883	118,310	100,855	112,211	106,605	107,349	102,832		935,603
Mobile Maint Facilitie	S		703	7,643	7,212	4,961	4,951	5,054	5,137	5,268	5,402		46,331
Training			59,873	54,093	70,909	136,107	73,468	99,066	84,005	77,133	40,277		694,931
TOTAL			291,070	264,823	318,806	413,732	302,400	345,701	310,919	308,286	267,059		2,822,796
									CLASSIFICAT	ION:			

DD Form 2454, JUN 86

**UNCLASSIFIED** 

P-1 Shopping List Item No. 51 Page 2 of 10

	WEA	Weapon System								ruary 1999						
A DDDC	PRIATION/BUDGET ACTIVITY		P-5					D Code	P-1 ITEM NOME	ENCLATII	DE/CLIBHEA					
	ft Procurement, Navy						ľ	D Code	P-111EW NOWE	ENCLATO	RE/SUBHEAL	,				
	,,								CONSOLIDA	ATED A	JTOMATE	D SUPPO	ORT SYST	ЕМ		
			TOTAL COS	T IN THOUSANDS OF DO	OLLARS				I							
COST	ELEMENT OF COST	ID	Prior	FY 199	7		FY 1998			FY 1999			FY 2000			
CODE	ELLINENT OF COST	Code	Years		'		11 1990		'	1 1 1999			11 2000			
			Total Cost	Quantity Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity L	Jnit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
	Automated Test Equipment			Various	60,805		Various	62,769		Various	47,099		Various	76,789		
	Aircraft Common SE			Various	53,138		Various	34,761		Various	79,392		Various	72,540		
	ICP/HQM SE			Various	13,068		Various	17,482		Various	18,311		Various	5,025		
	Consolidated Automated Support Systems (CASS)			Various	103,483		Various	88,075		Various	95,883		Various	118,310		
	Mobile Maintenance			Various	703		Various	7,643		Various	7,212		Various	4,961		
	Training			Various	59,873		Various	54,093		Various	70,909		Various	136,107		
					291,070			264,823			318,806			413,732		

DD FORM 2446, JUN 86

CLASSIFICATION:

# **UNCLASSIFIED**

BUDGET PROCURI	EMENT HIST	ORY AND	PLANNING EXHIB	I (P-5A)		Weapon System		DATE :	February 1999	
B. APPROPRIATION/BUDG Aircraft Procurer					C. P-1 ITEM NO	MENCLATURE  I Automated Support Sys	stems		SUBHEAD 470	22
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISION AVAILABL
LOT 7-1997	44	1,252	NAVAIR	Mar-97	FFP OPT	LOCKHEED MARTIN AMERICUS, GA	4/97	11/98	YES	
_OT 8 -1998	44	1,254	NAVAIR	Jan-98	FFP OPT	LOCKHEED MARTIN AMERICUS, GA	3/98	7/99	YES	
_OT 9 -1999	39	1,242	NAVAIR	Jan-99	FFP OPT	LOCKHEED MARTIN AMERICUS, GA	11/98	7/00	YES	
LOT 10-2000	40	1,824	NAVAIR	Jun-99	TBD	TBD	3/00	5/01	YES	
D. REMARKS										
5. REWARKS										

DD Form 2446-1, JUL 87

CLASSIFICATION: UNCLASSIFIED

Exhibit P-20, Requireme	ents Study	APPROPRIATION	/BUDGET ACTI	VITY			Date:	February 1999	)
		AIRCRAFT PROC	UREMENT, NA	/Y					
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):				Production Leadt	ime:	
CONSOLIDATED AUTO	MATED SUPPORT SYSTEMS	3 MONTHS						16 MONTHS	
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		44	39	40	28	34	35	37	44
Unit Cost		1,254	1,242	1,824	1,744	1,800	1,799	1,964	1,521
Total Cost		55,172	48,442	72,962	48,845	61,200	62,967	72,684	66,904
Asset Dynamics		•	Í	Í	,	,	,	,	Í
Beginning Asset Position		281	328	391	441	494	522	554	548
Deliveries from all prior year	r funding	47	63	38					
Deliveries from FY 1999 fur				12	27				
Deliveries from FY 2000 fur	nding				19	21			
Deliveries from subsequent	years' funding					14	32	33	35
Other Gains									
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	tions/etc.								
<b>End of Year Asset Positio</b>	n	328	391	441	487	522	554	587	622
Inventory Objective or Curre	ent Authorized Allowance	688	688	688	688	688	688	688	688
Inventory Objective	Actual Training								
	Expenditures	Usage		(Vehicles/Other	)	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru								
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	

CLASSIFICATION:

Exhibit P-20, Requireme	ents Study	APPROPRIATION	I/BUDGET ACTI	VITY			Date:	February 1999	,
		AIRCRAFT PROC	UREMENT, NA	/Y					
P-1 ITEM NOMENCLATUR	E	Admin Leadtime	(after Oct 1):				Production Lead	dtime:	
CASS EO+ SUBSYSTE	м				6 MTHS			12 MTHS	
<u> </u>					<u> </u>				
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		0	13	4	4	3	4	3	3
Unit Cost		0	1,544	1,658	1,688	1,721	1,757	1,796	1,836
Total Cost		0	20,080	6,632	6,752	5,163	7,028	5,388	5,508
Asset Dynamics									
Beginning Asset Position		3	3	15	24	32	36	39	43
Deliveries from all prior year	funding		12						
Deliveries from FY 1999 fun	ding			9	4				
Deliveries from FY 2000 fun					4				
Deliveries from subsequent	years' funding					4	3	4	3
Other Gains	· · · · · · · · · · · · · · · · · · ·								
Combat Losses/Usage									
Training Losses/Usage									
Test Losses/Usage									
Other Losses/Usage									
Disposals/Retirements/Attrit	ions/etc.								
End of Year Asset Position	n	3	15	24	32	36	39	43	46
Inventory Objective or Curre	ent Authorized Allowance		49	49	49	49	49	49	49
Inventory Objective	Actual Training								
	Expenditures	Usage		(Vehicles/Other	)	FY 2000 Replac	ement:	TOAI:	
Assets Rqd For Combat	FY 1998 thru								
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	_
TOTAL:								Storage:	

CLASSIFICATION:

DUCTIO	N SC	HEDL	JLE, P	<b>P-21</b>													DATE	<u>:</u>		Feb	ruary	1999	)						
ACTIVITY AVY	/										,	Wea	apon	Sys	stem		P-1	ITE	ΜN	OME	ENC	LAT	UR	E					
				nn.									rior	AL	T Af	ter		Initia		Re				Tota	ıl.				
LOCI (AME	KHEE RICU	D MAI IS, GA	RTIN ()		IVIN	1			IVIF	1					6					IVII	911						IVICA	Suite	
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														9	9				FI	SCAL	YEAF	₹				20	000		
F Y	S V C	Q T Y	D E L	B A L	O C T	98 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	AR J U L	A U G	S E P	O C T	199 N O V	D E C	J A N	F E B	M A R	A P R	YEAF M A Y	J U N	J U L	A U G	00 S E P	B A L
96 97 99 00		9 6 13 4	3 0 0 0 0	6 6 13 4	1	2	1	2 A	1	2	2	1								1	1	1 A	1	1	1	1	1	1	4 4
	ACTIVITY AVY  I LOCK (AME NOR  F Y  96 97 99	ACTIVITY AVY  Mar Name LOCKHEE (AMERICU NORTHRU  F S Y C  96 97 97 99	ACTIVITY AVY  Manufacti Name and L LOCKHEED MAI (AMERICUS, GAI NORTHRUP GR  F S Q Y V T C Y  96 9 97 6 97 7 98 9 97 6 99 13	Manufacturer's   Name and Locatic	Manufacturer's Name and Location LOCKHEED MARTIN (AMERICUS, GA) NORTHRUP GRUMMAN  F S Q D B Y V T E A C Y L L  96 9 9 0 9 97 6 0 6 97 C Y L L  96 99 3 6 97 6 0 6 99 13 0 13	Manufacturer's   Name and Location   MS	Manufacturer's   Name and Location   MSR	Manufacturer's   Name and Location   MSR   EC	Production F	Production Rate	Production Rate   Manufacturer's   Name and Location   MSR   ECON   MAX	Production Rate   Production Rate	Production Rate	Production Rate	ACTIVITY  AVY  Production Rate  Pro  Manufacturer's Name and Location  LOCKHEED MARTIN  (AMERICUS, GA)  NORTHRUP GRUMMAN  F S Q D B 96	Manufacturer's   Manufacturer's   Name and Location   MSR   ECON   MAX   Oct 1   Oct	ACTIVITY	ACTIVITY AVY    Production Rate	Production Rate	ACTIVITY AVY  Production Rate  Procurement Leadtimes  ALT Prior ALT After Oct 1	Production Rate	Production Rate	Production Rate	Production Rate	Production Rate	Name and Location   MSR   ECON   MAX   ALT Prior   ALT After   Initial   Reorder   Mfg PLT   Total	Production Rate	Manufacturer's Name and Location   MSR   ECON   MAX   Oct 1   Oct 1   Oct 1   Mig PLT   Total   Meanument   Mig PLT   Mig PLT   Mig PLT   Total   Meanument   Mig PLT   Mig PL	Manufacturer's Name and Location   MSR   ECON   MAX   Oct 1   Oct 1

<b>FY 2000/2001 BUDGET PROD</b>	UCTIC	N SC	HEDL	JLE, P	-21													DATE	:				Feb	ruary	1999	)				
APPROPRIATION/BUDGET AC AIRCRAFT PROCUREMENT, NAV		Y		-								,	Wea	apon	Sys	stem		P-1	ITE	M N	ОМІ	ENC	LAT	ΓUR	E					
							Pro	duct	ion I	Rate	<u> </u>				Pro	cure	mer	nt Le	adtir	mes										
Item		Name		.ocatic		MS	SR	EC	ON	MA	٩X		Oct 1	rior 1	(	T Af Oct			Initia fg Pl			eord fg Pl			Tota	al		Uni Mea		<b>)</b>
CASS EO+		THRU		UMAN	N/								6			16														
EO+ FRP	Com	petitiv	e																											
															20	01					FISC	AL YE	AR					2002		
ITEM / MANUFACTURER	F	S	Q	D	В						C	ALEN	DAR	YEAR	2				2001			С	ALEN	DAR	YEAF	2		200	02	_
	Y	C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N N	JUL	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L
FRP (SS) FRP TBD #2	99		13	9	4	1	1	1	1	1	1	1	1																	0
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ITEM / MANUFACTURER	F	s	Q	D	В		FI	SCAL	YEAR	K		ALEN	י אף	VEAD		20	03		2003	<b>.</b>	FISC	AL YE		IDAR	VEAG	•		2004	24	
TEM, WARD ACTORER	Y	V C	T Y	E L	A L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	B A L

		HEDL	JLE, P	-21													DATE	:		Fe	bruar	y 1999	9						
ACTIVITY AVY	′											Wea	pon	Sys	stem		P-1			OME	ENC	LAT	UR	E					
													ior	AL	T Af	ter	I	nitia	ıl										
Lock	need I	Martin		on	MS 2	SR	6 6			AX		Oct 1			3	1				Mi	g Pi			Iota			Mea	asure	<del>)</del>
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98 99 00	N N N	44 39 40	6 0 0	38 39 40	2	2	3	1	6	6 A	6	6	6	4	4	4	4	4	4	4	4	4	3	4	4	4	4	3	21
	ACTIVITY AVY  I Locki Amer  F Y  97 98 99  98 99	ACTIVITY AVY  Mar Name Lockheed I Americus,  F S Y C  97 N 98 N 99 N  F S Y C  P S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S Y C  R S N S S S N S S S N S S S N S S S N S S S N S S S N S S S N S S S N S S S N S S S N S S S N S S S S N S S S S N S	ACTIVITY AVY  Manufactor Name and L Lockheed Martin Americus, GA  F S Q Y V T C Y  97 N 44 98 N 44 99 N 39  F S Q Y V T C Y	Manufacturer's Name and Location Lockheed Martin Americus, GA  F S Q D Y V T E C Y L  PROPERTY N 44 0 99 N 39 0  F S Q D D Y V T E C Y L  PROPERTY N 44 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ACTIVITY AVY    Manufacturer's   Name and Location   Lockheed Martin   Americus, GA	ACTIVITY AVY    Manufacturer's   Name and Location   MS	ACTIVITY AVY    Manufacturer's   MSR     Lockheed Martin   2     Americus, GA	Product	ACTIVITY  Manufacturer's     Name and Location     Lockheed Martin     Americus, GA   F S Q D B 97     V T E A C O E A T V C N  97 N 44 0 44     99 N 39 0 39  FISCAL YEAR  F S Q D B 99     V T E A C O E A T V C N  F S Q D B 99     V T E A C O E A T V C N  F S Q D B 99     V T E A C O E A T V C N	Manufacturer's   Name and Location   MSR   ECON   M/O	Production Rate   Manufacturer's   Name and Location   MSR   ECON   MAX	Production Rate	ACTIVITY AVY  Production Rate  Manufacturer's Name and Location Lockheed Martin Americus, GA  F S Q D B 97 CALENDAR YEAR Y V T E A C O E A E A P A R Y  97 N 44 0 44 P A P A P A R Y  98 N 44 0 44 P A P A P A  F S Q D B P A P A  F S Q D B P A P A  F S Q D B P A  F S Q D B P A  F S C Y L L L C C O E A E A P A  F S C Y L L C C C C N B R R R Y  F S C C Y L C C C C C C C C C C C C C C C C	Manufacturer's   Name and Location   MSR   ECON   MAX   Oct 1	ACTIVITY AVY  Production Rate  Pro  Manufacturer's Name and Location  Lockheed Martin  Americus, GA  Pro  Briscal year  Calendar year  Calendar year  Fro  Y V T E A C O E A E A P A U U U T V C N B R R Y N L  Pro  Calendar year  Fro  Calendar year  Fro  Calendar year  Calendar year  Calendar year  Calendar year  Fro  Fro  Calendar year  Fro  Cal	Manufacturer's   Name and Location   MSR   ECON   MAX   Oct 1   Oct	Manufacturer's   Name and Location   MSR   ECON   MAX   MA	P-1   Weapon System   P-1   Weapon System	Namufacturer's   Name and Location   MSR   ECON   MAX   Oct 1   Oct	Name and Location   MSR   ECON   MAX   Oct 1   Oct 1   Mfg PLT	Name and Location   Section   Sect	Name and Location   NSR   ECON   MAX   Oct 1   Oct 1   Mig PLT   Mig PLT	Production Rate	Production Rate	Nanufacturer's   Name and Location   MSR   ECON   MAX   Oct 1   Oct 1   Mfg PLT   Mfg PLT   Total   Alternatives   Oct 1   Oct 1   Mfg PLT   Mfg PLT   Total   Americus, GA   Oct 2   Oct 3   Oct 3   Oct 3   Oct 3   Oct 4   Oct 4   Oct 4   Oct 4   Oct 5   Oct 5	Name and Location   NSR   ECON   MAX   Oct 1   Oct 1   Mig PLT   Total	Production Rate	Production Rate	Name and Location

FY 2000/2001 BUDGET PROD	UCTIC	N SC	HEDU	JLE, P	-21													DAT						1999						
APPROPRIATION/BUDGET AC AIRCRAFT PROCUEMENT, NAVY		1										,	Wea	apon	-	stem			ITE CA	SS		ENC	CAL	ΓUR	E					
							Pro	duct	ion l	Rate	!					cure	emer	nt Le	adti	mes										
		Mar	nufactu	ırer's								AL	ΤP	rior	AL	T A	fter		Initia	ıl		eord						Uni	t of	
Item		Name	and L	ocatio	n	M:	SR	EC	ON	M	٩X	(	Oct '	1	(	Oct	1	M	fg Pl	LT	M	fg Pl	LT		Tota	al		Mea	sure	)
CASS Configuration	TBD					2		6		10						3			16											
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ITEM / MANUFACTURER	F	S	Q	D	В		FR	SCAL	YEAR	τ	CAL	.ENDA	R YE	AR		2002		20	002	FI	SCAL			NDAR	YEAF	₹	20	003 200	03	
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ITEM / MANUFACTURER	F	S	Q	D	В							C	ALFN	IDAR		R 2004	1							NDAR	YFAF	₹		200	าร	l
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						T	V	C	N	В	R	R	Y	N	Ĺ	G	P	C T	V	Ċ	N	В	R	R	Y	N	L	Ğ	Р	L
																												<u>'</u>		

			BU	DGET ITEM JUST	TIFICATION SHEE	T				DATE:			
				P-4	10							February 1999	9
APPROPRIATION/BUI	DGET ACTIVITY							P-1 ITEM NOME	NCLATURE			-	
Aircraft Procurement,	Navy/ BA-7									Aircraft Indus	trial Facilities	i	
Program Element for C	ode B Items:							Other Related Pro	ogram Elements				
	Prior	ID		I	1		1		ı	I	ı	То	I
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY													
COST													
(In Millions)	\$741.588		\$14.139	\$16,438	\$11,893	\$12,769	\$12,482	\$14,720	\$14,834	\$15,025	\$15,273	CONT	CONT

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:

	<u>FY 1998</u>	FY 1999	FY2000
Calibration Equipment	8.336	8.026	9.113
Contractor Facilities	8.097	3.867	3.656

#### Calibration Equipment 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).

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 70% 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.

#### **Contractor Facilities Justification:**

The above funding is required for the following reasons:

- Close, deactivate and prepare for disposal and conveyance the five Government-owned contractor-operated, Naval Weapons Industrial Reserve Plants (NWIRPs) under the cognizance of NAVAIR.
- Closure and deactivation is accomplished in accordance with 41 CFR, Chapter 101, Federal Property Management Regulations and other applicable guidance.
- Accomplish environmental remediation required by law. Remediation is accomplished in accordance with the Environmental Protection Act and other applicable guidance.
- Develop Environmental Impact Statements (EISs) and accomplish cultural resource surveys required by law. The EISs and cultural resource surveys are accomplished in accordance with 40 CFR, the National Environmental Policy Act (NEPA) and other applicable guidance.
- Dispose of the facilities as required by law. The disposals are accomplished in accordance with 41 CFR, Chapter 101, Federal Property Management Regulations, special legislation enacted by Congress for NWIRPs Bethpage, NY and Calverton, NY and other applicable guidance.

The closure, deactivation and disposal schedule is based on requirements stated by law (including special Congressional legislation), and the expiration dates of the Facilities Use Contracts under which the plants are operated by defense contractors.

Failure to accomplish the above requirements, particularly environmental requirements, will lead to criminal and civil suits being brought against the Navy and individuals responsible for the actions not being accomplished. Fines will be levied for non-compliance with applicable laws, rules and regulations pertaining to the closure, deactivation and disposal of the plants. In addition, delays in the closures will result in increased costs dependent on the length of delays.

P-1 SHOPPING LIST CLASSIFICATION:

DD Form 2454, JUN 86 ITEM NO. 52 PAGE NO. 1

UNCLASSIFIED

## **UNCLASSIFIED**

			BUDGET	ITEM JUST	<b>IFICATION</b>	SHEET				DATE:			
				P-4	0						Februa	ry 1999	
APPROPRIATION/BUD	GET ACTIVIT	ΓΥ						P-1 ITEM NO	MENCLATURE				
Aircraft Procureme	nt, Navy/	BA-7						AIRC	RAFT INDU	STRIAL FA	CILITIES / C	alibration E	iquip
Program Element for Co	de B Items:							Other Related	Program Elem	nents			
	Prior	ID										То	
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY													
COST	<b>#004.000</b>		Ф <b>7</b> 4 <b>Г</b> 4	<b>CO 044</b>	<b>#0.000</b>	<b>CO 440</b>	<b>CO 044</b>	<b>CO 404</b>	<b>#0.070</b>	<b>#0.500</b>	<b>#0.700</b>	CONT	CONT
(In Millions)	\$334.866		\$7.154	\$8.341	\$8.026	\$9.113	\$8.944	\$9.101	\$9.278	\$9.509	\$9.709	CONT	CONT

#### 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).

#### Program Scope:

Calibration Equipment funds are used to procure common Calibration Standards (CALSTDs) and ancilliary 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 70% 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-1 SHOPPING LIST CLAS

DD Form 2454, JUN 86 ITEM NO. 52 PAGE NO. 2

CLASSIFICATION:

# **UNCLASSIFIED**

	BUDG	ET ITEM	JUSTIFICA		T FOR AGG	REGATED	ITEMS			DATE:		4000	
				P-40a				T		<u> </u>	Febru	ary 1999	
APPROPRIATION/BUDGET AC									MENCLATUR	_			
Aircraft Procurement, Na	vy							AIRO	CRAFT INDU	JSTRIAL FA	ACILITIES /	Calibration	Equip
	ID	Prior					=>/.000/	5), 0000			=>/	То	
Procurement Items	Code	Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Tota
RF Power Sensor Cal System													
Quantity		4	22	24	20	0	0	0	0	0	0	0	70
Funding		\$88.0	\$484.0	\$528.0	\$440.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,540.0
RF Microwave Receiver													
Quantity			22	14	15	10	9	0	0	0	0	0	70
Funding		\$0.0	\$396.0	\$252.0	\$270.0	\$180.0	\$162.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,260.0
Digital Multimeter													
Quantity		181	119	0	0	0	0	0	0	0	0	0	300
Funding		\$634.0	\$417.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$1,051.0
RF Power Meter													
Quantity		181	19	0	0	0	0	0	0	0	0	0	200
Funding		\$3,209.0	\$337.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$3,546.0
Fime / Frequency Standard		4											
Quantity			20	12	21	42	41	39	0	0	0	0	175
Funding		\$0.0	\$600.0	\$360.0	\$630.0	\$1,260.0	\$1,230.0	\$1,170.0	\$0.0	\$0.0	\$0.0	\$0.0	\$5,250.0
Hi Power RF Source													
Quantity			0	4	12	20	16	14	19	0	0	0	85
Funding		\$0.0	\$0.0	\$160.0	\$480.0	\$800.0	\$640.0	\$560.0	\$760.0	\$0.0	\$0.0	\$0.0	\$3,400.0
Гетр / Humidity Chamber						1							
Quantity			0	10	15	0	0	0	0	0	0	0	25
Funding		\$0.0	\$0.0	\$140.0	\$210.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$350.0
Spectrum Analyzer													
Quantity			0	28	42	20	14	22	54	0	0	0	180
Funding		\$0.0	\$0.0	\$756.0	\$1,134.0	\$540.0	\$378.0	\$594.0	\$1,458.0	\$0.0	\$0.0	\$0.0	\$4,860.0
nstrument Controller			1		1								
Quantity		0	0	0	0	12	48	52	78	55	55	0	300
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$54.0	\$216.0	\$234.0	\$351.0	\$248.0	\$248.0	\$0.0	\$1,351.0
		1				1	1	1			1	1	, , , , , , , , ,

ITEM NO. 52 PAGE NO. 3

DD Form 2454, JUN 86

# **UNCLASSIFIED**

	BUD	GET ITEM .	JUSTIFICAT		FOR AGGI	REGATED I	ТЕМЅ			DATE:	Calarin	1000	
APPROPRIATION/BUDGET ACTIV	/ITV			P-40a				D 1 ITEM NO	MENCLATUR		rebrua	ary 1999	
								_					
Aircraft Procurement, Navy								AIR	CRAFT IND	JSTRIAL FA	CILITIES /	_	Equip
Procurement Items	ID Code	Prior Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Complete	Total
Vibration Calibrator													
Quantity		0	0	0	0	0	0	8	6	29	25	30	98
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$40.0	\$30.0	\$145.0	\$125.0	\$150.0	\$490.0
Oscilloscope Calibrator													
Quantity		0	0	0	0	0	0	0	3	36	40	71	150
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$90.0	\$1,080.0	\$1,200.0	\$2,130.0	\$4,500.0
Tachometer Tester													
Quantity		0	0	0	0	0	0	5	5	37	43	60	150
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$70.0	\$70.0	\$518.0	\$602.0	\$840.0	\$2,100.0
Synth W/F Gen Calibr													
Quantity		0	0	0	0	0	0	0	0	9	8	81	98
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$792.0	\$704.0	\$7,128.0	\$8,624.0
Accoustic Calibr													
Quantity		0	0	0	0	0	0	0	0	30	32	36	98
Funding		\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$75.0	\$80.0	\$90.0	\$245.0
Other Costs													
Quantity	1	0	0	0	0	0	0	0	0	0	0	0	0
Funding		\$330,935.0	\$4,920.0	\$6,145.0	\$4,862.0	\$6,279.0	\$6,318.0	\$6,433.0	\$6,519.0	\$6,651.0	\$6,750.0	CONT	CONT
Total P-1 Funding		\$334,866.0	\$7,154.0	\$8,341.0	\$8,026.0	\$9,113.0	\$8,944.0	\$9,101.0	\$9,278.0	\$9,509.0	\$9,709.0	\$10,338.0	\$38,567.0
	•			•	•	P-1 SHOPF	ING LIST	•	CLASSIFICA	TION:	•	•	-

DD Form 2454, JUN 86 ITEM NO. 52 PAGE NO. 4

	WEA	PONS SY	STEM COST	T ANALYS	IS				Weapon Sy	rstem							DATE: Februa	ary 1999
	PRIATION/BUDGET ACTIVITY t Procurement, Navy								ID Code	P-1 ITEM NO				Calibratia	- Fai-			
			TOTAL COS	T IN THOUS	SANDS OF I	DOLLARS				AIRCRAF	I INDUST	RIAL FACI	LITIES / G	Calibratio	n Equip			
COST	ELEMENT OF COST	ID Code	Prior Years Total Cost	Quantity	FY 1998 Unit Cost	Total Cost	Quantity	FY 1999 Unit Cost	Total Cost	Quantity	FY 2000 Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
	RF Power Sensor Cal System RF Microwave Receiver Digital Multimeter RF Power Meter Time / Frequency Standard Hi-Power RF Source Temp / Humidity Chamber Spectrum Analyzer Instrument Controller Vibration Calibrator Oscilloscope Calibrator Tachometer Tester Synth W/F Gen Calibrator Accoustic Calibrator Navy Calibration Lab Standards Fleet Training Standards Fleet Intermediate Standards Logistics / Engineering Support Production / Acquisition Various 1/	element re	572 396 1,051 3,546 600 0 0 0 0 0 0 14,038 20,423 107,333 23,463 53,756 116,842	24 14 0 0 12 4 10 28 0 0 0 0 0	22.0 18.0 0.0 30.0 40.0 14.0 27.0 0.0 0.0 0.0 0.0	528 252 0 0 360 160 140 756 0 0 0 0 355 536 2869 787 1598	20 15 0 0 21 12 15 42 0 0 0 0	22.0 18.0 0.0 0.0 30.0 40.0 14.0 27.0 0.0 0.0 0.0 0.0	440 270 0 0 630 480 210 0 0 0 0 178 291 1986 792 1615	10 0 0 42 20 0 20 12 0 0 0 0	0.0 18.0 0.0 30.0 40.0 27.0 4.5 0.0 0.0 0.0	0 180 0 0 1,260 800 540 54 0 0 0 0 317 530 3,078 798 1,556						
			342,020			8,341			8,026			9,113			0			0

DD FORM 2446, JUN 86 P-1 SHOPPING LIST

ITEM NO. 48 PAGE NO. 5

ENT HISTORY A	ND PLANN	NG EXHIBIT (P-5A			Weapon System		A. DATE			
		•	•					February 19	999	
ACTIVITY				C. P-1 ITEM NON	MENCLATURE			SUBHEAD		
ent, Navy				Aircraft Indus	strial Facilities / Calibratio	n Equip		47C4		
QUANTITY	UNIT COST (000)	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW	DATE REVISIONS AVAILABLE	
	, ,									
20	22.000	NAWCPAX	02-99	Option	Weinschel Gaithersburgh, MD	05-99	09-99	Yes	No	
15 10	18.000 18.000	NAWCLKE NAWCLKE	01-99 03-00	Option Option	Hewlett Packard Wayne, PA	02-99 04-00	06-99 08-00	Yes Yes	No No	
21	30.000	NRCCLB	04-99	Option	Datum, Inc	06-99	08-99	Yes	No	
42	30.000	NRCCLB	02-00	Option	Anaheim, CA	04-00	06-00	Yes	No	
12 20	40.000 40.000	NRCCLB NRCCLB	01-99 02-00	Option Option	Hewlett Packard Wayne, PA	03-99 04-00	09-99 09-00	Yes Yes	No No	
15	14.000	NRCCLB	03-99	Option	Thunder Scientific, Inc Albuquerque, NM	06-99	10-99	Yes	No	
40	27.000	NDCCL D	04.00	Ontion	Ctanford Deceared	04.00	07.00	Vaa	No	
20	27.000	NRCCLB	02-00	Option	Sunnyvale, CA	05-00	08-00	Yes	No No	
12	4.500	NAWCPAX	01-99	C/FP	Unknown	01-00	07-00	Yes	No	
	PACTIVITY ent, Navy  QUANTITY  20  15 10  21 42  12 20	PACTIVITY ent, Navy  QUANTITY UNIT COST (000)  20 22.000  15 18.000 10 18.000  21 30.000 42 30.000  15 14.000 20 40.000  42 27.000 20 27.000	QUANTITY	ent, Navy         QUANTITY         UNIT COST (000)         LOCATION OF PCO         RFP ISSUE DATE           20         22.000         NAWCPAX         02-99           15         18.000         NAWCLKE         01-99 (03-00)           10         18.000         NAWCLKE         03-00           21         30.000         NRCCLB         04-99 (03-00)           42         30.000         NRCCLB         01-99 (03-00)           15         14.000         NRCCLB         01-99 (03-00)           15         14.000         NRCCLB         03-99 (03-00)           42         27.000         NRCCLB         01-99 (03-00)           42         27.000         NRCCLB         01-99 (03-00)	QUANTITY	ACTIVITY	ACTIVITY	ACTIVITY   CORT   COST   COS	ACTIVITY   CHIT   NAVY   ACTIVITY   CHIT   NAVY   ACTIVITY   CHIT   NAVY   ACTIVITY   CONTRACT   COST (000)   OF PCO (000)	

D. REMARKS

DD Form 2446-1, JUL 87 P-1 SHOPPING LIST ITEM NO. 52 Classification:

Exhibit P-20, Requireme	nts Study	AP	PROPRIATION/BUDG	GET ACTIVITY		DA	DATE:				
-	-		Air	craft Procurement, Na	vy			February	1999		
P-1 ITEM NOMENCLATURE	1		Admin Lead	dtime (after Oct1):	-	Proc	Prod Leadtime :				
RF Power Sensor Cal Sy	rstem			7 mc	onths	4 months					
		F1/ 4000	F) / / 000	F) / 0000	E) ( 000 (	<b>5</b> 1/ 0000	E) / 0000	57,000,1	5)/ 0005		
D O		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
Buy Summary		24	20	0	0	0	0	U	0		
Jnit Cost Fotal Cost		22.0	22.0	0.0	0.0	0.0	0.0	0.0	0.0		
l otal Cost Asset Dynamics		\$528.0	\$440.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0		
•											
Beginning Asset Position		26	50	70	70	70	70	70	70		
Deliveries from all prior year		24	0	0	0	0	0	0	0		
Deliveries from FY 1999 fund	U	0	20	0	0	0	0	0	0		
Deliveries from FY 2000 funding		0	0	0	0	0	0	0	0		
Deliveries from subsequent years' funding		0	0	0	0	0	0	0	0		
Other Gains											
Combat Losses/Usage											
Training Losses/Usage											
Test Losses/Usage											
Other Losses/Usage											
Disposals/Retirements/Attriti	ons/etc.										
<b>End of Year Asset Position</b>	1	50	70	70	70	70	70	70	70		
Inventory Objective or Curre	nt Authorized Allowance	70	70	70	70	70	70	70	70		
Inventory Objective	Actual Training	Other than Training	-	Disposals	•	Vehicles Eligible	e for	Aircraft:			
70	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI:			
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	e for	PAA:			
Loads:				XXXXX:		FY 2001 Replace		TAI			
WRM Rgmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer		Attrition Res:			
Pipeline:				FY 1996:		gg		BAI			
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:			
TOTAL:	1.2.2.			1222				Storage:			
Pomarke:	L L	<del>-</del>		+		ļ		g			

Remarks:

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requireme	nts Study		AF	PROPRIATION/BUD	GET ACTIVITY		DA	DATE:		
			Air	craft Procurement, Na	vy			February	1999	
P-1 ITEM NOMENCLATURE	<b>=</b>		Admin Lea	dtime (after Oct1):	-	Prod	Leadtime :	•		
RF Micro-Wave Received	r			6 months			4 months			
		E)/ 1000	E) / 4000	E) ( 0000	F)/ 0004	<b>5</b> ), 0000	E)/ 0000	F) ( 000 4	E) / 000E	
D 0		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		14	15	10	9	0	0	0	0	
Unit Cost		18.0	18.0	18.0	18.0	0.0	0.0	0.0	0.0	
otal Cost		\$252.0	\$270.0	\$180.0	\$162.0	\$0.0	\$0.0	\$0.0	\$0.0	
Asset Dynamics										
Beginning Asset Position		22	36	51	61	70	70	70	70	
Deliveries from all prior year	3	14	0	0	0	0	0	0	0	
Deliveries from FY 1999 fund	<u> </u>	0	15	0	0	0	0	0	0	
Deliveries from FY 2000 fund	0	0	0	10	0	0	0	0	0	
Deliveries from subsequent years' funding		0	0	0	9	0	0	0	0	
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attriti	ons/etc.									
<b>End of Year Asset Position</b>	1	36	51	61	70	70	70	70	70	
Inventory Objective or Curre	nt Authorized Allowance	70	70	70	70	70	70	70	70	
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible for	ſ	Aircraft:		
70	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replacem	ent:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible for	r	PAA:		
Loads:	xxxxx:	XXXXX:		XXXXX:		FY 2001 Replacem	ent:	TAI		
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment:		Attrition Res:		
Pipeline: FY 1996: FY 1996:		FY 1996:		FY 1996:				BAI		
Other:				FY 1995:				Inactive Inv:		
TOTAL:								Storage:		
Remarks:	•	<u> </u>				•		-		

Remarks:

 P-1 SHOPPING LIST
 CLASSIFICATION:

 DD Form 2454, JUN 86
 ITEM NO. 52
 PAGE NO. 8

Exhibit P-20, Requireme	ents Study		AF	PROPRIATION/BUDGE	T ACTIVITY			DATE:		
			Air	craft Procurement, Navy				Februar	y 1999	
P-1 ITEM NOMENCLATUR	E		Admin Lea	dtime (after Oct1):		Pro	od Leadtime :			
Time Frequency Standa	ard			6 mc	onths		2 months			
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		12	21	42	41	39	0	0	0	
Unit Cost		30.0 \$360.0	30.0	30.0	30.0	30.0	0.0	0.0	0.0	
Total Cost			\$630.0	\$1,260.0	\$1,230.0	\$1,170.0	\$0.0	\$0.0	\$0.0	
Asset Dynamics										
Beginning Asset Position		20	32	53	95	136	175	175	175	
Deliveries from all prior year	r funding	12	0	0	0	0	0	0	0	
Deliveries from FY 1999 fun	nding	0	21	0	0	0	0	0	0	
Deliveries from FY 2000 funding		0	0	42	0	0	0	0	0	
Deliveries from subsequent years' funding		0	0	0	41	39	0	0	0	
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrit	tions/etc.									
End of Year Asset Position	n	32	53	95	136	175	175	175	175	
Inventory Objective or Curre	ent Authorized Allowance	175	175	175	175	175	175	175	175	
Inventory Objective	Actual Training	Other than Training		Disposals	•	Vehicles Eligible f	or	Aircraft:	•	
175	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace	ment:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible f		PAA:		
Loads:	XXXXX: XXXXX:			XXXXX:		FY 2001 Replace	ment:	TAI		
WRM Rqmt:				FY 1997:		Vehicle Augment:		Attrition Res:		
Pipeline:				FY 1996:				BAI		
Other:				FY 1995:			Inactive Inv:			
TOTAL:								Storage:		
Remarks:	•	•		•		•		<u> </u>		

Remarks:

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:
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Exhibit P-20, Requirem	ents Study		AP	PROPRIATION/BUDG	GET ACTIVITY		DATE:				
			Air	craft Procurement, Na	vy			February	y 1999		
P-1 ITEM NOMENCLATUR	RE		Admin Lead	Itime (after Oct1):	-	Pr	od Leadtime :				
Hi Power RF Source				6 months				5 months			
		F)/ 1000	F)/ 4000	F)/ 0000	E)/ 0004	F)/ 0000	E) ( 0000	E)/ 0004	E)/ 0005		
D O		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
Buy Summary			12	20	16	14	19	0	0		
Unit Cost		40.0	40.0	40.0	40.0	40.0	40.0		0		
otal Cost		\$160.0	\$480.0	\$800.0	\$640.0	\$560.0	\$760.0	\$0.0	\$0.0		
Beginning Asset Position		0	4	16	36	52	66	85	85		
Deliveries from all prior yea		4	0	0	0	0	0	0	0		
Deliveries from FY 1999 fur		0	12	0	0	0	0	0	0		
Deliveries from FY 2000 funding		0	0	20	0	0	0	0	0		
Deliveries from subsequent years' funding		0	0	0	16	14	19	0	0		
Other Gains											
Combat Losses/Usage											
Training Losses/Usage											
Test Losses/Usage											
Other Losses/Usage											
Disposals/Retirements/Attri	itions/etc.										
End of Year Asset Position	on	4	16	36	52	66	85	85	85		
Inventory Objective or Curr	ent Authorized Allowance	85	85	85	85	85	85	85	85		
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible	for	Aircraft:			
85	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace	ement:	TOAI:			
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:			
Loads:				XXXXX:		FY 2001 Replace		TAI			
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augment		Attrition Res:			
peline: FY 1996: FY 1996:			FY 1996:		_		BAI				
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:			
TOTAL:								Storage:			
Remarks:	•										

Remarks:

 P-1 SHOPPING LIST
 CLASSIFICATION:

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 ITEM NO. 52
 PAGE NO. 10

#### **UNCLASSIFIED** CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BUD	GET ACTIVITY		]	DATE:		
			Air	craft Procurement, Na	vy			February	1999	
P-1 ITEM NOMENCLATUR	RE		Admin Lead	dtime (after Oct1):	-	Pro				
Temperature Humidity	Chamber			8 ma	onths					
_		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		10 14.0	15	0	0	0	0	0	0	
Unit Cost			14.0	0.0	0.0	0.0	0.0	0.0	0.0	
otal Cost		\$140.0	\$210.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	\$0.0	
Asset Dynamics										
Beginning Asset Position		0	0	10	25	25	25	25	25	
Deliveries from all prior year	r funding	0	10	0	0	0	0	0	0	
Deliveries from FY 1999 fur	nding	0	0	15	0	0	0	0	0	
Deliveries from FY 2000 funding		0	0	0	0	0	0	0	0	
Deliveries from subsequent	Deliveries from subsequent years' funding		0	0	0	0	0	0	0	
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attri	tions/etc.									
<b>End of Year Asset Position</b>	on	0	10	25	25	25	25	25	25	
Inventory Objective or Curr	ent Authorized Allowance	25	25	25	25	25	25	25	25	
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible f	for	Aircraft:		
25	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace	ment:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible f	for	PAA:		
Loads:	·			XXXXX:		FY 2001 Replace	ment:	TAI		
WRM Rqmt:	RM Rqmt: FY 1997: FY 1997:			FY 1997:		Vehicle Augment:		Attrition Res:		
Pipeline:				FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
TOTAL:								Storage:		
Domorko:		+		•		*				

Remarks:

CLASSIFICATION: P-1 SHOPPING LIST ITEM NO. 52 DD Form 2454, JUN 86 PAGE NO. 11

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BUD	GET ACTIVITY			DATE:		
			Airc	raft Procurement, Na	vy			February	y 1999	
P-1 ITEM NOMENCLATUR	E		Admin Leadtin	ne (after Oct1):	-	P	rod Leadtime :			
Spectrum Analyzer				6 mc	onths		3 months			
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		FY 2005	
Buy Summary		28	42	20	14	22	54	0	0	
Init Cost Total Cost		27.0	27.0	27.0	27.0	27.0	27.0		0.0	
Total Cost		\$756.0	\$1,134.0	\$540.0	\$378.0	\$594.0	\$1,458.0	\$0.0	\$0.0	
Asset Dynamics										
Beginning Asset Position		0	28	70	90	104	126	180	180	
Deliveries from all prior year	U	28	0	0	0	0	0	0	0	
Deliveries from FY 1999 fur	<u> </u>	0	42	0	0	0	0	0	0	
Deliveries from FY 2000 funding		0	0	20	0	0	0	0	0	
Deliveries from subsequent years' funding		0	0	0	14	22	54	0	0	
	Other Gains									
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attri										
End of Year Asset Position	n	28	70	90	104	126	180	180	180	
Inventory Objective or Curr	ent Authorized Allowance	180	180	180	180	180	180	180	180	
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible	e for	Aircraft:		
180	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac	cement:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	e for	PAA:		
Loads: XXXXX: X		XXXXX:		XXXXX:		FY 2001 Replac	cement:	TAI		
VRM Rqmt: FY 1997: FY 1997:				FY 1997:	·	Vehicle Augmer	nt:	Attrition Res:	<u> </u>	
Pipeline: FY 1996: FY 1996:		FY 1996:		FY 1996:				BAI		
Other:	FY 1995:	FY 1995:		FY 1995:	·			Inactive Inv:		
TOTAL:								Storage:		
D I .	•	•	·	•		•		•		

Remarks:

 P-1 SHOPPING LIST
 CLASSIFICATION:

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 ITEM NO. 52
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Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BUD	GET ACTIVITY			DATE:		
			Airc	raft Procurement, Na	vy			February	y 1999	
P-1 ITEM NOMENCLATUR	E		Admin Leadtir	ne (after Oct1):		Р	rod Leadtime :			
Instrument Controller				3 ma	onths		6 months			
_		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
Buy Summary		0	0	12	48	52	78	55	55	
Jnit Cost		0.0	0.0	4.5	4.5	4.5	4.5		4.5	
Total Cost		\$0.0	\$0.0	\$54.0	\$216.0	\$234.0	\$351.0	\$248.0	\$248.0	
Asset Dynamics										
Beginning Asset Position		0	0	0	12	60	112	190	245	
Deliveries from all prior yea		0	0	0	0	0	0	0	0	
Deliveries from FY 1999 fur	nding	0	0	0	0	0	0	0	0	
Deliveries from FY 2000 funding		0	0	12	0	0	0	0	0	
Deliveries from subsequent years' funding		0	0	0	48	52	78	55	55	
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attri	tions/etc.									
<b>End of Year Asset Positio</b>	n	0	0	12	60	112	190	245	300	
Inventory Objective or Curre	ent Authorized Allowance	300	300	300	300	300	300	300	300	
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible	e for	Aircraft:		
300	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac	cement:	TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible	e for	PAA:		
Loads:	oads: XXXXX: XXXXX:			XXXXX:		FY 2001 Replac	cement:	TAI		
WRM Rqmt:			·	FY 1997:		Vehicle Augmei	nt:	Attrition Res:		
Pipeline:				FY 1996:				BAI		
Other:				FY 1995:			Inactive Ir			
TOTAL:								Storage:		
D	•	•				•				

Remarks:

DD Form 2454, JUN 86

P-1 SHOPPING LIST CLASSIFICATION:
ITEM NO. 52 PAGE NO. 13

### UNCLASSIFIED

			BUDGET	ITEM JUST	IFICATION S	SHEET				DATE:			
				P-40	0					February 1	999		
APPROPRIATION/BUDG	GET ACTIVITY	1						P-1 ITEM NO	MENCLATURE				
Aircraft Procureme	nt, Navy/BA	۸-7						Α	ircraft Indu	strial Facilit	ies / Contra	ctor Faciliti	es
Program Element for Co	de B Items:							Other Related	Program Elen	nents			
	Prior	ID										То	
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY													
COST (In Millions)	\$407,996		\$6,985	\$8,097	\$3,867	\$3,656	\$3,538	\$5,619	\$5,556	\$5,516	\$5,564	CONT	CONT

#### JUSTIFICATION:

The above funding is required to:

- -Close, deactivate, prepare for disposal, and convey the five Government-owned contractor-operated (GOCO), Naval Weapons Industrial Reserve Plants (NWIRPs) under the cognizance of NAVAIR supported by APN funds. The five NWIRIPs are located in Bethpage, NY; Bloomfield, CT; Calverton, NY; Dallas; TX and St. Louis, MO. Closure and deactivation is being accomplished in accordance with 41 CFR Chapter 101, Federal Property Management Regulations, and other applicable guidance. Upon completion of divestiture, there will no longer be a requirement to fund the facilities.
- -Accomplish environmental remediation as required by law. Remediation is being accomplished in accordance with Section 120(h) of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) and Executive Order 12898, Environmental Justice. CERCLA 120(h) requires assurance of environmental contamination remediation prior to disposal of Government real property. This assurance is provided by following guidance promulgated by ASSTSECNAV (I&E) memo of 22 December 1993, Application of BRAC Environmental Procedures to Non-BRAC Real Estate Actions, which implements DEPSECDEF memo of 18 June 1993. Fast Tract Cleanup at Closing Installations, and DASN (E&S) memo of 15 September 1993. Procedures for Identification of Uncontaminated Property and Cleanup of Contaminated Property at Closing Installations.
- -Develop Environmental Impact Statements (EISs) and conduct Cultural Resource Surveys as required by law. The EISs and Cultural Resource Surveys must be accomplished in accordance with 40 CFR, the National Environmental Policy Act (NEPA) and other applicable guidance. The NEPA process is required for any major Federal action affecting the environment. Application to GOCO divestitures was confirmed by NAVAIR Counsel in letter Serial AIR-7.7.4/REC of 3 April 1995, which based its conclusion on OPNAVINST 5090.1B, the Defense Authorization Acts of 1994 and 1995, and case law.
- -Dispose of the facilities as required by law. The disposal of NWIRP, Bethpage, NY is being accomplished in accordance with National Defense Authorization Act for FY-1998. The disposal of NWIRP, Calverton, NY is being accomplished in accordance with Section 2833, Land Conveyance, NWIRP, Calverton, NY of Public Law 103-337, National Defense Authorization Act for FY-1995. The mandatory divestiture of NWIRPs Bloomfield, CT. Dallas, TX and St. Louis, MO will be accomplished in accordance with ASSTSECNAV (RD& A) memo of 7 July 1995 and 41 CFR. Chapter 101. Federal Property Management Regulations and other applicable guidance.

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CLASSIFICATION:

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**UNCLASSIFIED** 

		P-5	ST ANALYS	S			Weapon Sy	stem				DATE: <b>Februa</b>	ary 1999
	PRIATION/BUDGET ACTIVITY it Procurement, Navy / BA-7						ID Code		OMENCLATU				
			T					Aircraft	Industrial	Facilities	s/Contrac	tor Facili	ties
			TOTAL COS	T IN THOUS	ANDS OF DO	DLLARS							
COST CODE	ELEMENT OF COST	ID Code	Prior Years		1998		1999		2000				
			Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cos
	<u>FUNDED</u>												
73400	NWIRP, Bethpage, NY:				715		2,131		2,225				
73400	NWIRP, Calverton, NY:				353		0		0				
73400	NWIRP, Bloomfield, CT:				0		829		130				
73400	NWIRP, Dallas, TX:				4,229		827		664				
73400	NWIRP, St. Louis, MO:				2,800		50		607				
73400	NAVFAC Fire Marshall Services				0		30		30				
	* EBS - ENVIRONMENTAL BASELINE SURV	 EY 											
	TOTAL REQUIREMENT:				8,097		3,867		3,656		0		

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### **UNCLASSIFIED**

			BUDGET	ITEM JUST	TFICATION	SHEET				DATE:			
				P-4	.0						Februa	ry 1999	
APPROPRIATION/BU	DGET ACTI	VITY-7						P-1 ITEM NO	MENCLATU	RE			
Aircraft Procurem	ent, Navy	/ B/A-7	7 Ground S	Support Eq	uipment &	<b>Facilities</b>			W	ar Consum	ables (Y70	<b>(5)</b>	
Program Element for C	Code B Items	s:						Other Relate	d Program Ele	ements			
	Prior	ID										То	
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY N/A													
COST (In Millions)	\$331.541		\$12.949	\$13.526	\$11.157	\$11.683	\$13.222	\$13.465	\$13.931	\$21.327	\$21.086	Cont.	Cont.

The War Consumables line funds procurements 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 funds presently assigned to each category are as follows:

#### WAR CONSUMABLES

DD Form 2454. JUN 86

This program finances procurements of Airborne Equipment which can be suspended, released 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/wartimeneeds. War Consumables items are inventory managed by the Naval Inventory Control Point, Philadelphia and are under Naval Air Systems Command program and technical management.

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 and integration to the F/A-18E/F has required substantial improvements to the existing stores. Investigation of major subsystems in pursuit of reliabilityenhancements, safety of flight risk reduction, and life cycle cost savings have identified a number of areas where reliability improvements can be realized and safety of flight risk reduced. Incorporation of these changes is occurring through the 2005 timeframe.

#### COMMON AIRCRAFT ARMAMENT EQUIPMENT (AAE)

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 (HIPPAGs) for the AV-B and AH1W aircraft. The HIPPAG 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. 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 (HIPPAGs) for the AV-B and AH1W aircraft. The HIPPAG 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-1 SHOPPING LIST

CLASSIFICATION:

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**UNCLASSIFIED** 

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	WE	APONS	S SYSTEM (	COST ANA	LYSIS				Weapon S	System							DATE: Februa	ry 1999
_	PRIATION/BUDGET ACTIVITY-7								ID Code	P-1 ITEM N	OMENCLAT	URE/SUBH	IEAD				ı	•
	t Procurement, Navy / BA-7																	
Ground	d Support Equipment & Facil	ities								War Con	sumables	Commo	n AAE (Y7	'C5)				
			TOTAL COS	DOHT NI TE	SANDS OF	DOLLARS												
COST CODE	ELEMENT OF COST	ID Code			FY 1997			FY 1998			FY 1999			FY 2000			FY 2001	
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost
73600 73600 73600 73600 73600 73600 73600 73600 73600	COMMON AAE Bomb Rack Mod Kits & Install LAU-7 Upgrade & Installation High Press. Pure Air Gen. BRU-33 ILS Product Improvement Product Engineering IMER/ITER Install Acceptance Test IMER/ITER Kits Bru-32 Various 1/ COMMON AAE TOTAL  Aerial Refueling Stores Production Support Various WAR CONSUMABLES TOTAL	A A A A	11,046 11,275 5,959 0 1,356 5,334 9,272 7,107 474 12,216 2,300 108,964 175,303	155	34.51	966 2,107 5,314 0 279 406 1,306  10,378 1,595 976 2,571	100	39.30	1,596 2,838 3,930 0 326 663 1,132  10,485 1,685 1,356 3,041	30	49.00	321 2,386 1,470 0 347 322 1,458 <b>6,304</b> 2,255 2,598 <b>4,853</b>	35	50.40	509 2,531 1,764 0 409 443 1,500  7,156 1,927 2,600 4,527			
	(1) The amount identified against th	is cost e	element reflec	ts total prior	year fundin	g associated	I with cost e	lements no l	onger financ	ed in FY 96	and beyond							
			331,541			12,949			13,526			11,157			11,683			
DD FORI	M 2446, JUN 86	P-1 S	HOPPING LI	ST											CLASSIFIC	ATION:		

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

DD Form 2446-1, JUL 87

ID PLANNING EXHIBIT (P-5A) Weapon System A. DATE	EXHIBIT (P-5A)	ANNING EXH	Y AND PL	HISTORY	BUDGET PROCUREMENT
February 1999					
C. P-1 ITEM NOMENCLATURE SUBHEAD				/ITY	B. APPROPRIATION/BUDGET ACTIV
7 War Consumables, Common AAE Y7C5			BA-7	, Navy / I	Aircraft Procurement,
cilities		es	Facilitie	pment 8	Ground Support Equi
OST OF PCO DATE & TYPE AND LOCATION DATE DELIVERY NOW AVAILABL			UNIT COST (000)	QUANTITY	Cost Element/ FISCAL YEAR
000.0 NAVAIR Jul-98 S/FP (OPTION) Ultra Electronics, Englanc Dec-98 May-99 Yes N/A	Jul-98	NAVAIR	39,300.0 49,000.0 50,400.0	100 30 35	High Pressure Pure Air Generato FY-98 FY-99 FY-00
	1				. REMARKS
					D. REMARKS

PAGE NO.

3

Y 2000/2001BUDGET PROD			CHEL	JULL	, F-Z I													DATE				ebru								
PPROPRIATION/BUDGET A	CTIVI	TY-7										,	Wea	apon	Sys	tem	1		ITE											
ircraft Procurement, Na																			Wai	. Cc	nsu	mal	bles	, Co	mm	on A	٩AE	(Y7	C5)	į
Fround Support Equipm	ent	& Fa	ciliti	es																										
							Proc	duct	ion	Rate	;								adtii											
ltana		-	ufactu			N 44	CD		0.5		۸.۷		ΤP		AL				nitia			eorc	-		T-4-				it of	
Item igh Pressure Pure Air Generator			and L				SR /A	2	8-5 0	M/ N/		το	Ос	[ ]		oct 1	l	IVII	g PL 5	- !	Mi	<u>fg P</u> 5	LI		Tota 8			Mea EA		<u>e</u>
ight Flessure Fule All Generator	OLIF	A LIE	Ctrorne	.S, ∟⊓ç	jianu	IN	/^		0	I N	//					3			J			<u>J</u>			0			EA		_
ITEM (MANUEL OT UP ED										FISCA	L YE											FISC			2000					_
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A		1998							NDAR	YEAR										DAR Y	1	2000 I	I		-
	,	C	Y	L	L	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	N U	T D	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	
High Press. Air Gen.																														
Ultra Electronics	98	N	100	40	60	10	10	10	10	10	5	5																		
Ultra Electronics Ultra Electronics	99 00	N N	30 35	0	30 35			Α					4	4	3	3	2	2	2	2 A	2	2	2	2	4	4	4	4	4	ŀ
Olda Electronica	00	- 11	- 00																	/\					-			1	•	
										FISC	CAL Y	EΔP	2001									FISC	 -ΔΙ V	ΈΔR	2002					Ł
ITEM / MANUFACTURER	F	S	Q	D	В		2000			1100	<i>7</i> /\∟ 1			NDAR	YEAR	200	)1					1100			DAR Y		2002			
	Υ	V	Т	Е	Α	0	N	D	J	F	М	Α	М	J	J	Α	s	0	N	D	J	F	М	Α	М	J	J	Α	S	
		С	Y	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	O C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
High Press. Air Gen.																														t
Ultra Electronics	00	N	35	20	15	3	2	2	2	2	2	2																		ŀ
																														L
																												_		L

DD Form 2445, JUL 87

311 / 244

Previous editions are obsolete

P-1 SHOPPING LIST

ITEM NO

PAGE 4

Exhibit P-20, Requireme	ents Study		Al	PPROPRIATION/BU	JDGET ACTIV	ITY		DATE:	
				ircraft Procureme	ent, Navy BA	-7		February	y 1999
P-1 ITEM NOMENCLATUR	RE:SH Y7C5 War Consumab	les,Common AAI	Admin Lea	dtime (after Oct1):		Pro	d Leadtime :		
High Pressure Pure Air G	Generator (HIPPAG)			3			5		
		FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		100	30	35	40	50	55	100	100
Unit Cost (\$K)		\$39	\$49	\$50	\$52	\$53	\$54	\$50	\$51
Total Cost (\$K)		\$3,930	\$1,470	\$1,764	\$2,080	\$2.862	\$3,240	\$5,000	\$5,100
Asset Dynamics		7.7	. ,		. , ,	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	, , ,	V-7	7.7.2.
Beginning Asset Position		166	319	391	419	447	487	531	599
Deliveries from all prior yea	r funding	0	0	0	0	0	0	0	0
Deliveries from FY 1999 fur	nding	0	16	14	0	0	0	0	0
Deliveries from FY 2000 fur	nding	0	0	20	15	0	0	0	0
Deliveries from FY 2001 fur	nding	0	0	0	0	0	0	0	0
Deliveries from subsequent	year's funding	0	0	0	19	46	50	74	110
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attri		2	4	6	6	6	6	6	6
End of Year Asset Positio		164	331	419	447	487	531	599	703
Inventory Objective or Curre		768	768	768	768	768	768	768	768
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible f		Aircraft:	
863	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replace		TOAI: 0	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru 2005:		FY 1998 thru		Vehicles Eligible f		PAA:	
Loads: 688	XXXXX: 0	42		XXXXX: 0		FY 2001 Replace		TAI 0	
WRM Rq 4	FY 1997: 0	FY 1997: 0		FY 1997: 0		Vehicle Augment:	0	Attrition Res:	0
Pipeline: 70	FY 1996: 0	FY 1996: 0		FY 1996: 0				BAI	0
Other: 6	FY 1995: 0	FY 1995: 0		FY 1995: 0				Inactive Inv:	0
TOTAL: 768								Storage:	0

Remarks:

Combat loads are specified by OPNAV Instruction 8380.1B

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ITEM NO. 53 PAGE NO. 5

CLASSIFICATION:

### **UNCLASSIFIED**

	E	BUDGET	TITEM JU	STIFICATI	ON SHEE	Т			DATE:			
			P	<b>-</b> 40						FEBRU	ARY 1999	
APPROPRIATION/BU	DGET ACTIVIT	Y					P-1 ITEM N	OMENCLAT	URE			
Aircraft Procuren	nent, Navy E	3A-7						OTHE	ER PRODU	JCTION CH	HARGES	
Program Element for C	Code B Items:						Other Relate	ed Program I	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST												
(In Millions)	*		\$11.538	\$7.199	\$39.991	\$36.597	\$17.477	\$18.142	\$18.582	\$18.978	CONT	CONT

The Other Production Charges line provides funds for miscellaneous production support and testing services, aircraft cameras, aircraft pods, and instrumentation packages supporting tactical aircrew combat training and mobile sea range systems. The budget request supports the following efforts:

#### **GFE PRODUCTION SUPPORT**

This program manages production engineering support for the entire range of Government Furnished Equipment (GFE) being acquired for prime aircraft of system manufacturers, and safety equipment at NAVAIR. Testing of this equipment is required to quantify new or reactivated producers and to determine adequacy of previously developed hardware for use. This hardware includes electrical, avionics, hydraulic, and mechanical equipment. Tests are performed by commercial testing laboratories, at selected field activities, or at suppliers' facilities under government surveillance.

This program provides an engineering approach that analyzes GFE reliability and maintainability deficiencies encountered in design, development, test, manufacturing, and management that provide a potential for significant cost savings on new programs. The qualification of producers and equipment ensures an industrial base of proven performance to ensure GFE compliance to specification, reliability, and availability.

#### LARGE AREA TRACKING RANGE (LATR)

This program supports battle group readiness exercises by providing independent real time Global Positioning Systems (GPS) based tracking and display of all participants. The LATR has been integrated into existing fixed ranges at Southern California (SOCAL), the Virginia Capes (VACAPES) and Pacific Missile Range Facility (PMRF). During LATR excercises, each participant must be equipped with a Participant Instrumentation Package (PIP) which contains a Relay-Reporter-Responder (R3) transponder unit.

P-1 SHOPPING LIST

ITEM NO. 54 PAGE NO. 1

CLASSIFICATION:

### **UNCLASSIFIED**

	BU	JDGET	ITEM JUS	TIFICATIO	N SHEE	Т			DATE:			
			P-	40						FEBRU	<b>JARY 1999</b>	
APPROPRIATION/B	UDGET ACTIVIT	Y					P-1 ITEM N	OMENCLAT	URE			
Aircraft Procure	ment, Navy B	A-7						OTH	ER PRODU	ICTION C	HARGES	
Program Element for	Code B Items:						Other Relate	ed Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY2002	FY 2003	FY 2004	FY 2005	Complete	Total
OLIANITITY (												
QUANTITY												
COST												
(In Millions)	*		\$11.538	\$7.199	\$39.991	\$36.597	\$17.477	\$18.142	\$18.582	\$18.978	CONT	CONT

#### LARGE AREA TRACKING RANGE (cont.)

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) provides ship track information to the LATR ground station via the self contained transponder. The FY99 effort is to procure interface cables for the F-14 aircraft to interface with the LAU-138 launch rail carrying a LATR FW PIP.

#### **JOINT TACTICAL COMBAT TRAINING SYSTEM (JTCTS)**

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

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<sup>\*</sup> Due to multiple RFMs in prior years, detailed breakout of prior year data is not available.

### **UNCLASSIFIED**

	ВІ	JDGET	ITEM JUS	TIFICATIO	N SHEE	Т			DATE:			
			P-	40						FEBRU	IARY 1999	
APPROPRIATION/BU	DGET ACTIVIT	Y					P-1 ITEM N	OMENCLAT	URE			
Aircraft Procurem	nent, Navy/B	A-7 Gro	ound Supp	ortEquip	ment & F	acilities		ОТ	HER PRODU	JCTION CHA	ARGES	
Program Element for C	Code B Items:						Other Relate	ed Program	Elements			
	Prior	ID									То	
	Years	Code	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY												
COST			•									•
(In Millions)	*		\$11.538	\$7.199	\$39.991	\$36.597	\$17.477	\$18.142	\$18.582	\$18.978	CONT	CONT

#### **AERIAL CAMERAS REWSON**

This program procures 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.

#### **OTHER CAMERAS**

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.

#### F-14 WSSA

This program provides the support necessary to integrate changes that occur to common avionics systems currently in production which are required to maintain system effectiveness and interoperability within the current performance envelope. Software integration efforts and testing are required to ensure that the newly configured common equipment will continue to interface with F-14 platforms and functionality is not lost jeopardizing safety of flight. The nature of these software intense systems dictates the need for extensive systems integration and testing prior to certifying the aircraft as safe for fleet use.

\* Due to multiple Requiring Financial Managers (RFM's) in prior years, detailed breakout of prior year data is not available.

P-1 SHOPPING LIST

CLASSIFICATION:

ITEM NO. 54

PAGE NO. 3

### **UNCLASSIFIED**

	ВІ	JDGET I	TEM JUSTIFI	CATION SH	HEET FOR A	AGGREGATI P-40	_		I	DATE:	February 1999	ı	
APPROPRIATION/BUDG	GET ACTI	VITY				F- <del>4</del> 0		P-1 ITEM NON	MENCLATURE				
Aircraft Procureme	nt. Navy	/ BA-7							OTHE	R PRODUC	TION CHAP	RGFS	
7 th Grant I recurrence	ID	Prior									11011 0113 11	To	
Procurement Items	Code	Years	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
GFE PRODUCTION			6325	5537	3614								15,47
LATR													
F-14/LAU-138 CABLES					190								19
JTCTS													
INTERFACE UNITS						13932	14684	12543	12804	14182	14404	CONT	CONT
OTHER COSTS			2000	0	0	2337	2655	2233	2583	1582	1695	CONT	CONT
REWSON													
ASQ-197 Sensor Data													
Controls													
Quantity			2	2	2	2	2	0	0	0	0	0	1
Funding			520	530	540	550	560	0	0	0	0	0	2,70
Various Other Costs			1,287	1,346	1,463	1315	1065	1687	1722	1760	1799	0	13,44
OTHER CAMERAS													
Base station w/ printer													
Quantity			4	1	0	0	0	0	0	0	0	0	
Funding			600	155	0	0	0	0	0	0	0	0	75
Digital Camera													
Quantity			0	24	23	23	23	23	23	23	23	0	18
Funding			0	470	700	700	667	667	667	667	667	0	5,20
Various Other Costs			440	264	244	312	318	347	366	391	413	0	3,09
F-14 WSSA													
Funding			0	0	0	20,845	16,648	0	0	0	0	0	37,49
		*	11172	8302	6751	39991	36597	17477	18142	18582	18978		7855

P-1 SHOPPING LIST
DD Form 2454, JUN 86 ITEM NO. 54 PAGE NO. 4

 $^{\star}$  Due to multiple RFMs in prior years, detailed breakout of prior year data is not available.

#### **UNCLASSIFIED** CLASSIFICATION:

A DDDO	WEA	APONS SY	STEM COS P-5	T ANALYS	IS				Weapon Sys		MENICI ATI	URE/SUBHE/	ND.				DATE: February 199
	t Procurement, Navy BA-7											ON CHAR					
			TOTAL COS	T IN THOU	SANDS OF I	OOLLARS											
COST	ELEMENT OF COST	ID Code	Prior Years		FY 1997			FY 1998			FY 1999			FY 2000			
			Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost	Quantity	Unit Cost	Total Cost		
	GFE PRODUCTION QUALITY ASSUARANCE PRODUCTION SUPPORT NAWC - AD NAWC - WD NSWC CONTRACTUAL PRODUCTION SUP (PREVIOUSLY NAWC-INDY) GFE TOTAL					1,929 1,571 100 425 2,300 <b>6,325</b>			1,252 1,794 100 400 1,991 <b>5,537</b>			1,114 100 300 1,300 3,614					
	LATR F-14/LAU-138 CABLES ECPs					342				47	4	190					
	LATR TOTAL					342			0			190					
	JTCTS INTERFACE UNITS ** PE/ILS					0							64	216	13,932 2,337		
	TOTAL JTCTS					0			0			0			16,269		
	OTHER COSTS***					1658											
		1	*														
D FORM	M 2446, JUN 86	P-1 SH	* IOPPING LIS	Г											CLASSIFICA	TION:	

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

<sup>\*</sup> Due to multiple RFMs in prior years, detailed breakout of prior year data is not available.

<sup>\*\*</sup>JTCTS unit cost represents an average unit cost of Pods and Airborne Instrumenation Subsystem Internals.

\*\*\*The amount identified against this cost element reflects total prior year funding associated with cost elements no longer financed beyond FY97.

	WEAPON	S SYS	TEM COST	ANALYSIS					Weapon Sy	stem						DATE:	
PROP	RIATION/BUDGET ACTIVITY - 7		P-5						ID Code	P-1 ITEM NO	MENCLATU	JRE/SUBHEA	)			February	y 1999
RCRA	FT PROCUREMENT NAVY/GROUND RT EQUIPMENT & FACILITIES									OTHER PR							
			TOTAL COST	IN THOUSAN	IDS OF DOL	LARS											
OST ODE	ELEMENT OF COST	ID Code	Prior Years		FY 1997			FY 1998			FY 1999		FY 2				
			Total Cost	Quantity	Unit Cost (000)	Total Cost	Quantity	Unit Cost (000)	Total Cost	Quantity	Unit Cost (000)	Total Cost	Quantity	Unit Cost (000)	Total Cost		
	REWSON MISC SMALL EQUIPMENT & ECPS ASQ-197 SENSOR DATA CONTROLS	A A		2	260	1,287 520	2	265	1,346 530		270	1,463 540		275	1,315 550		
	REWSON TOTAL					1,807			1,876			2,003			1,865		
	OTHER CAMERAS ENGINEERING/LOGISTICS SUPPORT FOR DIGITAL CAMERA SYSTEM MISC SMALL EQUIPMENT UNDER \$100 BASE STATION W/ PRINTER	N/A N/A N/A		4	150	269 171 600	1	155	261 3 155			244 56 0			319 26 0		
	DIGITAL CAMERA	N/A				0	24	20	470	23	28		23	29			
	OTHER CAMERAS TOTAL					1,040			889			944			1,012		
	F-14 WSSA TOTAL								0			0			20,845		
	TOTAL					11,172			8,302			6,751			39,991		
	GRAND TOTAL		0			11,172			8.302			6,751			39,991		

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BUDGET PROCUREN	IENT HISTO	DRY AND	PLANNING EXHIBIT	(P-5A)		Weapon System		A. DATE		
DODOLI I NOCCINEN	illivi illore	JICI AND	I LAMMINO EXHIBIT	(1 -3/A)		vveapon Gystem		A. DATE	Februs	ary 1999
B. APPROPRIATION/BUDGET	ACTIVITY				C. P-1 ITEM NO	MENCLATURE		1	SUBHEAD	пу 1555
Aircraft Procureme		A-7				OTHER PRODUCTION	CHARGI			
Cost Element/ FISCAL YEAR	QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	DATE OF FIRST DELIVERY	TECH DATA AVAILABLE NOW?	DATE REVISIONS AVAILABLE
LATR NTERFACE CABLES FY 1999	47	4.0	NAWCAD PAX	N/A	PX	NAWCAD PAX	Oct-98	Mar-99	YES	N/A
NTERFACE UNIT FY 2000	64	216	NAVAIR	MAY-99	FP TYPE	RAYTHEON	MAR-00	SEP-01	NO	N/A
ASQ-197 SENSOR DAT	A									
FY 1998	2	265.0	Naval Air Sys. Com.	Oct-97	SS/FP	FAIRCHILD-Germantown, MD	Feb-98	Sep-98	YES	N/A
FY 1999	2	270.0	Naval Air Sys. Com.	Oct-98	SS/FP	FAIRCHILD-Germantown, MD	Jan-99	Sep-99	YES	N/A
FY 2000	2	275.0	Naval Air Sys. Com.	Oct-99	SS/FP	FAIRCHILD-Germantown, MD	Jan-00	Sep-00	YES	N/A
D. REMARKS			1		<b>"</b>				I	

MENT HIST	ORY AND	PLANNING EXHIBI	T (P-5A)		Weapon System		A. DATE		
								February 19	99
ET ACTIVITY - 7				C. P-1 ITEM NO	MENCLATURE			SUBHEAD	
REMENT NA	VY/			OTHER PRO	DUCTION CHARGES/			Y7C6	
EQUIPMEN	IT & FACI	LITIES		OTHER CAN	IERAS				
QUANTITY	UNIT COST	LOCATION OF PCO	RFP ISSUE DATE	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWARD DATE	FIRST	AVAILABLE	DATE REVISIONS AVAILABLE
1	155.0	NRAD, Philadelphia	Apr-98	SS/MIPR/FP	NRAD, PHILA	Jun-98	Dec-98	N/A	N/A
24	19.6	Naval Air Systems	Mar-98	SS/MIPR/FP		May-98	Sep-98	N/A	N/A
23	28.0	Command HQ Naval Air Systems Command HQ	Mar-99	SS/MIPR/FP	,	May-99	Sep-99	N/A	N/A
23	29.0	Naval Air Systems Command HQ	Mar-00	SS/MIPR/FP	EASTMAN KODAK -ROCHESTER, NY	May-00	Sep-00	N/A	N/A
	TACTIVITY - 7 REMENT NA TEQUIPMEN QUANTITY  1 24 23	TET ACTIVITY - 7 REMENT NAVY/ TEQUIPMENT & FACION  QUANTITY UNIT COST  1 155.0  24 19.6 23 28.0	PET ACTIVITY - 7 REMENT NAVY/  FEQUIPMENT & FACILITIES  QUANTITY  UNIT COST  LOCATION OF PCO  1 155.0 NRAD, Philadelphia  24 19.6 Naval Air Systems Command HQ 23 28.0 Naval Air Systems Command HQ 23 29.0 Naval Air Systems	TEQUIPMENT & FACILITIES	C. P-1 ITEM NOT	REMENT NAVY/ TEQUIPMENT & FACILITIES  QUANTITY  UNIT COST  1 155.0 NRAD, Philadelphia  Apr-98  SS/MIPR/FP  SS/MIPR/FP  EASTMAN KODAK  Command HQ  Naval Air Systems  Mar-90  SS/MIPR/FP  EASTMAN KODAK  -ROCHESTER, NY  EASTMAN KODAK	REMENT NAVY/ TEQUIPMENT & FACILITIES  QUANTITY  UNIT COST  C. P-1 ITEM NOMENCLATURE OTHER PRODUCTION CHARGES/ OTHER CAMERAS  CONTRACT METHOD & TYPE AND LOCATION DATE  AWARD DATE  1 155.0 NRAD, Philadelphia  Apr-98  SS/MIPR/FP NRAD, PHILA  Jun-98  SS/MIPR/FP EASTMAN KODAK -ROCHESTER, NY  23 28.0 Naval Air Systems Command HQ Naval Air Systems Command HQ Naval Air Systems Command HQ SS/MIPR/FP EASTMAN KODAK -ROCHESTER, NY EASTMAN KODAK -ROCHESTER, NY EASTMAN KODAK -ROCHESTER, NY SS/MIPR/FP EASTMAN KODAK -ROCHESTER, NY EASTMAN KODAK -RO	REMENT NAVY/ TEQUIPMENT & FACILITIES  QUANTITY  UNIT COST  OF PCO  REPISSUE DATE OF PRODUCTION CHARGES/ OTHER CAMERAS  CONTRACT METHOD CONTRACTOR AND LOCATION DATE DELIVERY  1 155.0 NRAD, Philadelphia  Apr-98  SS/MIPR/FP NRAD, PHILA  Jun-98  Dec-98  24 19.6 Naval Air Systems Command HQ 23 28.0 Naval Air Systems Command HQ 23 29.0 Naval Air Systems Mar-99  SS/MIPR/FP EASTMAN KODAK RAD-P99  SS/MIPR/FP EASTMAN KOD	REMENT NAVY/ PEQUIPMENT & FACILITIES  QUANTITY UNIT COST COFPCO REPUSED ATTEM NOMENCLATURE OTHER PRODUCTION CHARGES/ OTHER CAMERAS  QUANTITY UNIT COST COST COST COST COST COST COST COS

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FY 2000/01 BUDGET PRODU			<u>EDULI</u>	E, P-2	<u> </u>													DATE				ebru								
PPROPRIATION/BUDGET A	CTIVIT	<b>/</b> - 7											Wea	apon	Sys	stem		P-1	ITEI	M N	OME	ENC	LAT	UR	E					
PN-7/AIRCRAFT SUPPORT EQUIP	MENT & F	ACILIT	IES																R/JTC											
	-						Pro	duct	ion	Rate	)								eadtii											
			nufacti										T Pı			T Af			Initia			eord			_				it of	
Item				ocatio		M:	SR	1-8	8-5	MA	AX	to	Oct	1	(	Oct 1	1	M	fg Pl	_T_	M	fg P			Tota			Mea	asur	е
JTCTS INTERFACE UNITS				outh,									0			8			19			N/A			27					
LATR LAU-138 CABLES	NAW	CAD	PAX F	RIVER									0			1			5			N/A	١		6					
									F	ISCAL	L YEA	R 19	97									FISC	AL YI	EAR	1998					Τ
ITEM / MANUFACTURER	F	S	Q	D	В		1996					•	CALE	NDAR	YEAF	R 199	7			1		ı	CA	LEND	AR Y	EAR 1	1998		ı	
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						C T	V	C	A N	E B	A R	R	A Y	N	L	U G	E P	C T	V	С	A N	E B	R	R	A Y	N	L	G	P	
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ITEM / MANUFACTURER	F	S	Q	D	В		1998					(	CALEN	NDAR	YEAF	R 199	9						CA	LEND	AR Y	EAR 2	2000			
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		C	Y	L	L	C T	0 V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	0 V	E C	A N	E B	A R	P R	A	U N	U L	U	E P	
F-14/LAU-138 Cables	99	N	47	0	47	A	V	U	IN		8	8	8	8	8	7	!	'	V	C	IN		1	-	'	14	F		!	+
Interface Units	00	N	64	0	64																		Α							6
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

311 / 244 ITEM NO 54 PAGE 9 Exhibit P-21 Production Schedule

Alt	FY 2000/2001 BUDGET PRO	DUCTIO	ON SC	HEDI	JLE, I	P-21													DATI				ebr								_
Production Rate			Υ											Wea	apor	n Sys	sten	n	P-1	ITE	MΛ	IOM	ENC	CLA.	TUF	RΕ					
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FISCAL YEAR 2002  FISCAL YEAR 2002  FISCAL YEAR 2002  CALENDAR YEAR 2002  CALENDAR YEAR 2001  FISCAL YEAR 2002  CALENDAR YEAR 2001  TO N D J F M A M J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J J F M	Item	1				on																				Tota	al				
ITEM/MANUFACTURER  F S Q D B Z000  CALENDAR YEAR 2001  CALENDAR YEAR 2002  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  ITEM/MANUFACTURER  F S Q D B Z002  FISCAL YEAR 2003  FISCAL YEAR 2003  CALENDAR YEAR 2003  CALENDAR YEAR 2003  CALENDAR YEAR 2004  FISCAL YEAR 2004  FISCAL YEAR 2004  FISCAL YEAR 2004  CALENDAR YEAR 2004	TCTS/Interface Units	Rayth	neon,	Portsr	nouth	, RI								0			8			19			N/A	١		27					_
ITEM/MANUFACTURER  F S Q D B Z000																															_
ITEM/MANUFACTURER  F S Q D B Z000																															
C	ITEM / MANUFACTURER	F	s	Q	D	В	20	000	***************************************	F	ISCAL	YEA		ALEN	IDAR	YEAF	R 200	1		FI	SCAL	YEA	R 200		LEND	DAR Y	EAR 2	2002	nononunonononon	***************************************	l
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ITEM / MANUFACTURER		***************************************																													-
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Exhibit P-21 Production Schedule

FY 2000/2001 BUDGET PRO			CHEDI	JLE, I	P-21													DATE				ebr								
APPROPRIATION/BUDGET A Aircraft Procurement, Navy BA		Υ											Wea	por	ı Sys	stem	1	P-1	ITE	ΜN	IOM	ENC	CLA	TUF	RΕ					
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JTCTS/Interface Units	Rayti	neon,	Portsr	nouth	, RI																									
										FISCA	L YE								FI	SCAL	YEA	R 200	2							
ITEM / MANUFACTURER	F Y	S V	Q T	D E	B A	20 O	000 N	D	J	F	М	C.	ALEN M	DAR J	YEAR J	2001 A	S	0	N	D		F	CAI M	END A	AR YI	EAR 2	2002 J	A	S	В
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Interface Units	02	N	65	0	65														Α											65
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ITEM / MANUFACTURER	F	s	Q	D	В	20	002		I	FISC	AL YI			DAD	YEAR	2000						FISC			2004 AR YI	- ^ D C	1004			
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Interface Units	02	N	65	0	65								•	10			10	10	10	5										0
Interface Units	03	N	67	0	67		Α																			10	10	10	10	
Interface Units	04	N	77	0	77														Α											77
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DD Form 2445, JUL 87 Previous editions are obsolete P-1 SHOPPING LIST

FY 2000/2001 BUDGET PRODU	JCTIO	N SCH	HEDU	LE, P-	21													DATE	=		F	ebr	uary	199	9					
APPROPRIATION/BUDGET ACT													Wea	apor	n Sys	stem	1	P-1	ITE	ΜN	OME	NC	LAT	URE	=					
Aircraft Procurement, Navy BA-7						l	Dro	duat	ion I	Rate					Dro	CUr	mo	nt Le	adti	mar										
Item			nufactu and L	urer's .ocatio	n	MS	SR		ON				T P		AL	T A	fter		nitia fg Pl	ıl		eord			Tota	ıl		Un Mea	it of	
JTCTS Interface Units	Rayth	neon, l	Portsn	nouth,	RI																									
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ITEM / MANUFACTURER	F Y	S V C	Q T Y	D E L	B A L	O C T	2004 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	YEAR J U N	J U L	A U G	S E P	B A L
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ITEM / MANUFACTURER	F Y	S	Q T	D	В							I	CAL	ENDA	AR YE	AR	1	1						CALEN	IDAR	YEAF	₹			В
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Interface Units	05	N	79	40	39	10	10	10	9																					0
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Exhibit P-21 Production Schedule

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	· · · ·	7.0.2			Υe	ar Pı	odu	ıctio	n R	ate				Pro	cure						.,		, <u>, , , , , , , , , , , , , , , , , , </u>	•					
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F Y	S V C	Q T Y	D E L	B A L	O C T	1997 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	YEAR 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	999 J U L	A U G	S E P	B A L
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00	N	23	0	23								Α				23													0
00	N	2	0	2				A								2													0
	Fairchi NRAD Eastmai	F S Y C C S Y C C C C C C C C C C C C C C	F S Q Y V T C Y 98 N 24 99 N 23 F S Q Y V T C Y	Manufacturer's Name and Locatio Fairchild, Germantown, MD NRAD, Philadelphia Eastman Kodak, Rochester  F S Q D Y V T E C Y L  98 N 2 0 99 N 2 0 98 N 1 0 98 N 2 0 99 N 2 0  98 N 1 0  98 N 24 0 99 N 23 0  F S Q D Y V T E C Y L	Manufacturer's   Name and Location   Fairchild, Germantown, MD   NRAD, Philadelphia   Eastman Kodak, Rochester     F	Manufacturer's   MS   Name and Location   Fairchild, Germantown, MD   NRAD, Philadelphia   N   Eastman Kodak, Rochester   N   N   C   Y   L   L   C   T      98	Manufacturer's   MSR   Name and Location   Fairchild, Germantown, MD   1   NRAD, Philadelphia   N/A   Eastman Kodak, Rochester   N/A	Manufacturer's   MSR   1-8	Name and Location   Fairchild, Germantown, MD   1   6	Name and Location   Fairchild, Germantown, MD   NRAD, Philadelphia   N/A   NA   NA   NA   NA   NA   NA   N	Year Production Rate	Name and Location   Fairchild, Germantown, MD   1   6   12   12   12   13   14   14   14   14   14   14   14	Manufacturer's   Name and Location   Fairchild, Germantown, MD   1   6   12   3   3   1997   SCAL YEAR   1998   To Octoor   Fairchild, Germantown, MD   1   6   12   3   3   1997   SCAL YEAR   1998   To Octoor   To Octoor	Manufacturer's   Name and Location   Fairchild, Germantown, MD   1   6   12   3   3   3   3   4   4   4   4   4   99   N   23   0   23   0   N   D   J   F   M   A   M   J   M   M   M   M   M   M   M   M	Vear Production Rate	Weapon System   Weapon Syste	Weapon System	CTIVITY - 7   CUIPMENT & FACILITIES	Name   Name	Vear Production   Rate   Procurement Leadtimes   Name and Location   Name and Location   Name   Na	Name and Location   Fairchild, Germantown, MD   1   6   12   3   3   3   8	Name and Location   Superior   Superior	Vear Production Rate	Vear Production   Rate   Procurement   Leadtimes   Name and   Location   Name and   Na	Vear   Production   Rate   Procurement Leadings   Production   Rate   Procurement Leadings   Production   Rate   Procurement Leadings   Procurement Leadings	Weapon System	Weapon System	Weapon System	Weapon System

Exhibit P-20, Requireme	ents Study		API	PROPRIATION/BU	DGET ACTIVIT	Y - 7		DATE:		
			APN	N/AIRCRAFT SUPPO	RT EQUIPMEN	T & FACILITIES		Februar	y 1999	
P-1 ITEM NOMENCLATUR	E		Admin Le	adtime (after Oct1)	):	Prod	Leadtime :		-	
OTHER PRODUCTION C	CHARGES/JTCTS			2 MOS			18 MOS			
			•							
		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	2 FY 2003	FY 2004	FY2005
Buy Summary					64	75	65	67	77	79
Unit Cost					216	195	192	191	184	183
Total Cost					13932	14684	12543	12804	14182	14404
Asset Dynamics										
Beginning Asset Position						0	10	74	179	244
Deliveries from all prior year	r funding									
Deliveries from FY 1999 fun										
Deliveries from FY 2000 fun	ding					10	54			
Deliveries from subsequent	years' fundinç					0	10	105	65	67
Other Gains										
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attrit										
End of Year Asset Position					0	10	74	179	244	311
Inventory Objective or Curre					600	600	600	600	600	600
Inventory Objective	Actual Training	Other than Training		Disposals		Vehicles Eligible f		Aircraft:		
600	Expenditures 0	Usage	0	(Vehicles/Other)	N/A	FY 1998 Replace		N/A TOAI:	N/A	
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Eligible f		PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Replace		TAI		
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augment:		Attrition Res:		
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI		
Other:	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:		
TOTAL:								Storage:		
Remarks:										

P-1 SHOPPING LIST

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CLASSIFICATION:

Exhibit P-20, Requireme	nts Study		AF	PPROPRIATION/BUI	DGET ACTIVIT	Y - 7	D	ATE:		
			AF	N/AIRCRAFT SUPPO	RT EQUIPMENT	& FACILITIES	F	ebruary 1999		
P-1 ITEM NOMENCLATURE	<u> </u>		Admin Le	eadtime (after Oct1):		F	Prod Leadtime :			
OTHER PRODUCTION C	HARGES/LATR F-14 LAU	-138 CABLES	1	MONTH				5 MONTHS		
		FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary				47						
Unit Cost				4						
Total Cost				190						
Asset Dynamics										
Beginning Asset Position										
Deliveries from all prior year	funding									
Deliveries from FY 1997 fund	ding									
Deliveries from FY 1998 fund	ding									
Deliveries from FY 1999 fund	ding			47						
Deliveries from subsequent	years' funding									
Other Gains	-									
Combat Losses/Usage										
Training Losses/Usage										
Test Losses/Usage										
Other Losses/Usage										
Disposals/Retirements/Attriti										
End of Year Asset Position	l			47						
Inventory Objective or Curre				60						
Inventory Objective	Actual Training	Other than Training	g	Disposals		Vehicles Elig		Aircraft:		
60	Expenditures	Usage		(Vehicles/Other)		FY 1998 Rep		TOAI:		
Assets Rqd For Combat	FY 1996 thru	FY 1996 thru		FY 1996 thru		Vehicles Elig	ible for	PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 1999 Rep	placement:	TAI		
WRM Rqmt:	FY 1995:	FY 1995:		FY 1995:		Vehicle Augr	ment:	Attrition Res:		
Pipeline:	FY 1994:	FY 1994:		FY 1994:				BAI		
Other: 60	FY 1993:	FY 1993:		FY 1993:				Inactive Inv:		
TOTAL:								Storage:		
Remarks:										

P-1 SHOPPING LIST CLASSIFICATION:

Exhibit P-20, Requireme	ents Study		AP	PROPRIATION/BL	JDGET ACTIVIT	ΓY - 7	DA	TE:	
			AP	N/GROUND SUPPO	RT EQUIPMENT	& FACILITIES		February	1999
P-1 ITEM NOMENCLATUR	E		Admin Le	eadtime (after Oct1	):	Prod	Leadtime :		
AERIAL CAMERAS REWSON	N		3 n	nos	•		9 mos		
ASQ-197 SENSOR DATA	CONTROL	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary	CONTROL	2	2	2	2	0	0	0	0
Unit Cost		265	270	275	280	0	0	0	0
Total Cost		530	540	550	560	0	0	0	0
Asset Dynamics		330	340	330	300	0	0	0	
Beginning Asset Position		53	55	57	59	61	61	61	61
Deliveries from all prior year	r fundina	2	0	0	0	0	0	0	0
Deliveries from FY 1999 fun		0	2	0	0	0	0	0	0
Deliveries from FY 2000 fun	· ·	0	0	2	0	0	0	0	0
Deliveries from FY 2001 fun	<u> </u>	0	0	0	2	0	0	0	0
Deliveries from subsequent	· ·	0	0	0	0	0	0	0	0
Other Gains	, , , , , , , , , , , , , , , , , , , ,	0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit	tions/etc.	0	0	0	0	0	0	0	0
<b>End of Year Asset Position</b>	n	55	57	59	61	61	61	61	61
Inventory Objective or Curre	ent Authorized Allowance	63	63	63	63	61	61	61	61
Inventory Objective	Actual Training	Other than Trai	ining	Disposals		Vehicles Eligible	for	Aircraft:	
61	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac	ement:	TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 61	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL:								Storage:	
Remarks:							·		

Remarks:

Inventory Objective of 61 ASQ-197 Sensor Data Controls equals:

1 each for 49 pods 49
Plus spares 12
61

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P-1 SHOPPING LIST

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CLASSIFICATION:

Exhibit P-20, Requireme	nts Study		AP	PROPRIATION/BU	DGET ACTIVIT	Y - 7	D/	ATE:	
			AP	N/GROUND SUPPO	RT EQUIPMENT	& FACILITIES		February	1999
P-1 ITEM NOMENCLATURE	<u> </u>		Admin Le	eadtime (after Oct1	):	Prod	Leadtime :	-	
OTHER PRODUCTION C	HARGES/OTHER CAMER	AS - Y7C6		8 MOS			7 MOS		T
BASE STATION W/ PRINTI	ER	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005
Buy Summary		1	0	0	0	0	0	0	0
Unit Cost		155	0	0	0	0	0	0	0
Total Cost		155	0	0	0	0	0	0	0
Asset Dynamics									
Beginning Asset Position		14	15	15	15	15	15	15	15
Deliveries from all prior year	funding	1	0	0	0	0	0	0	0
Deliveries from FY 1999 fun	ding	0	0	0	0	0	0	0	0
Deliveries from FY 2000 fun	ding	0	0	0	0	0	0	0	0
Deliveries from FY 2001 fun	ding	0	0	0	0	0	0	0	0
Deliveries from subsequent	years' funding	0	0	0	0	0	0	0	0
Other Gains		0	0	0	0	0	0	0	0
Combat Losses/Usage		0	0	0	0	0	0	0	0
Training Losses/Usage		0	0	0	0	0	0	0	0
Test Losses/Usage		0	0	0	0	0	0	0	0
Other Losses/Usage		0	0	0	0	0	0	0	0
Disposals/Retirements/Attrit		0	0	0	0	0	0	0	0
End of Year Asset Position		15	15	15	15	15	15	15	15
Inventory Objective or Curre		15	15	15	15	15	15	15	15
Inventory Objective	Actual Training	Other than Train	ng	Disposals		Vehicles Eligible		Aircraft:	
15	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replac		TOAI:	
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible		PAA:	
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replac		TAI	
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmen	t:	Attrition Res:	
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI	
Other: 15	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:	
TOTAL: Remarks:						_1		Storage:	

Inventory objective of 15 equals:

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One base station per CV/CVN (1\*12) 12
Three shore base stations 3
15

P-1 SHOPPING LIST CLASSIFICATION:

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Exhibit P-20, Requiren	ents Study	AP	PROPRIATION/BU	DA	DATE:					
			API	N/GROUND SUPPOR	RT EQUIPMENT		February 1999			
P-1 ITEM NOMENCLATUR	RE		Admin Le	adtime (after Oct1):		Prod	d Leadtime :			
OTHER PRODUCTION	7 N	ios	1		5 MOS					
DIGITAL CAMERAS	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
Buy Summary		24	23	23	23	22	22	22	22	
Unit Cost		20	28	29	29	31	32	33	34	
Total Cost		470	644	667	667	682	704	726	748	
Asset Dynamics										
Beginning Asset Position		64	80	95	110	124	138	152	166	
Deliveries from all prior year	ır funding	24	0	0	0	0	0	0	0	
Deliveries from FY 1999 fur		0	23	0	0	0	0	0	0	
Deliveries from FY 2000 fur	nding	0	0	23	0	0	0	0	0	
Deliveries from FY 2001 fu	nding	0	0	0	22	0	0	0	0	
Deliveries from subsequent	0	0	0	0	22	22	22	22		
Other Gains	0	0	0	0	0	0	0	0		
Combat Losses/Usage		0	0	0	0	0	0	0	0	
Training Losses/Usage	0	0	0	0	0	0	0	0		
Test Losses/Usage	0	0	0	0	0	0	0	0		
Other Losses/Usage		0	0	0	0	0	0	0	0	
Disposals/Retirements/Attri		8	8	8	8	8	8	8	8	
End of Year Asset Position	on	80	95	110	124	138	152	166	180	
Inventory Objective or Curr		180	180	180	180	180	180	180	180	
Inventory Objective	Actual Training	Other than Traini	ng	Disposals		Vehicles Eligible	e for	Aircraft:		
180	Expenditures	Usage		(Vehicles/Other)		FY 2000 Replacement:		TOAI:		
Assets Rqd For Combat	FY 1998 thru	FY 1998 thru		FY 1998 thru		Vehicles Eligible for		PAA:		
Loads:	XXXXX:	XXXXX:		XXXXX:		FY 2001 Replacement:		TAI		
WRM Rqmt:	FY 1997:	FY 1997:		FY 1997:		Vehicle Augmer	nt:	Attrition Res:		
Pipeline:	FY 1996:	FY 1996:		FY 1996:				BAI		
	FY 1995:	FY 1995:		FY 1995:				Inactive Inv:		
Other: 180 TOTAL:								Storage:		

P-1 SHOPPING LIST CLASSIFICATION:

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## **UNCLASSIFIED**

	BUDGET	ITEM JUSTI	DATE:													
				P-40	)						Februa	ry 1999				
APPROPRIATION/BUDGET ACTIVITY									P-1 ITEM NOMENCLATURE							
Aircraft Procureme	nent, Navy BA-7 Special Support Equipment							ent								
Program Element for Code B Items:  Other Related Program Elements																
	Prior	ID										То				
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total			
QUANTITY																
COST																
(In Millions)	\$287,821		\$8,378	\$22,589	\$14,335	\$34,177	\$5,861	\$58,916	\$12,315	\$0	\$0	Cont	Cont			

Details of this P-1 item are classified. Justification of this request is provided separately.

P-1 SHOPPING LIST CLASSIFICATION:
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# **UNCLASSIFIED**

	BUDGET	ITEM JUST	DATE:										
				P-40	0						Februa	ry 1999	
APPROPRIATION/BI	UDGET ACTIVITY			P-1 ITEM NO	MENCLATURE			-					
Aircraft Procurement, Navy BA-7							First Destination Transportation						
Program Element for Code B Items:							Other Related Program Elements						
	Prior	ID										То	
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY													
COST													
(In Millions)	\$23,989		\$4,350	\$4,676	\$1,708	\$1,471	\$1,521	\$1,577	\$1,666	\$1,768	\$1,913	CONT	CONT

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.

P-1 SHOPPING LIST

CLASSIFICATION:

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# **UNCLASSIFIED**

		BUDGET	ITEM JUST	DATE:									
P-40											Februa	ry 1999	
APPROPRIATION/BUDGET ACTIVITY									MENCLATURE				
Aircraft Procurement, Navy BA-7								Canceled Account Adjustments					
Program Element for Code B Items:								Other Related Program Elements					
	Prior	ID										То	
	Years	Code	FY 1997	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Complete	Total
QUANTITY			\$2,029	\$8,796									
COST (In Millions)				_						_	_		

This program finances canceled account adjustments.

	<u>FY 1997</u>	FY 1998
For FY 1986 & Prior (P1-57):	.650	2.010
For FY 1987 (P1-58):	.238	1.016
For FY 1988 (P1-59):	.082	.300
For FY 1989 (P1-60):	1.059	4.568
For FY 1990 (P1-61):		.902
Total	2.029	8.796

P-1 SHOPPING LIST CLASSIFICATION:
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