

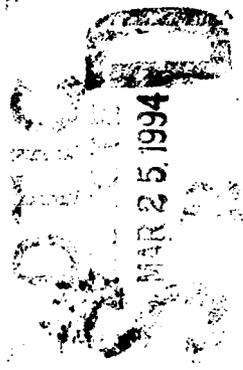
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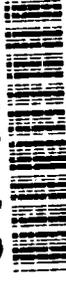
UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE

COMMITTEE STAFF PROCUREMENT BACKUP BOOK
FY 1995 BUDGET ESTIMATES
FEBRUARY 1994



94-09244



AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I

UNCLASSIFIED

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Volume I
AIRCRAFT PROCUREMENT

FY 1995 PRESIDENT'S BUDGET SUBMISSION
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DEPARTMENT OF THE AIR FORCE
 FY 1995 PROCUREMENT PROGRAM

SUMMARY
 (\$ IN MILLIONS)

FEB 1994

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY	FY 1993	FY 1994	FY 1995
01. COMBAT AIRCRAFT	3,490.3	1,233.2	659.6
02. AIRLIFT AIRCRAFT	2,451.5	2,308.6	2,816.5
03. TRAINER AIRCRAFT	169.2	150.7	278.4
04. OTHER AIRCRAFT	642.6	582.4	565.7
05. MODIFICATION OF INSERVICE AIRCRAFT	1,445.7	1,005.4	1,135.9
06. AIRCRAFT SPARES AND REPAIR PARTS	487.9	425.7	488.9
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	1,220.2	899.1	802.6
TOTAL	9,907.4	6,605.0	6,747.6

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010 AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1994

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1995 (DOLLARS)		FY 1993		FY 1994		FY 1995	
			UNIT COST	COST	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST

BUDGET ACTIVITY 01: COMBAT AIRCRAFT

STRATEGIC OFFENSIVE

1	B-1B (MYP)	B		160.5		162.4		154.3	U
2	B-2A (MYP)	B	4	(3489.0)		(571.7)		(384.4)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-847.0)					
				2642.0		571.7		384.4	

TACTICAL FORCES

3	F-15 E	A		20.9		28.6		20.4	U
4	F-16 C/D (MYP)	A	24	(724.2)	12	(538.1)		(100.5)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-125.0)		(-67.7)			
				599.1		470.4		100.5	

5 F-16 C/D (MYP)
ADVANCE PROCUREMENT (CY)
(FY 1993 FOR FY 1994) (MEMO)

TOTAL COMBAT AIRCRAFT

3,490.3

1,233.2

659.6

BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT

TACTICAL AIRLIFT

• ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1994

LINE NO	ITEM NOMENCLATURE	IDENT CODE	UNIT COST	FY 1993		FY 1994		FY 1995		S
				QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
6	C-17 (MVP)	B	461,419,833	6	(2005.0)	6	(2138.3)	6	(2768.5)	U
	LESS: ADVANCE PROCUREMENT (PV)				(-216.5)		(-203.5)		(-295.6)	
			1788.5				1934.8		2472.9	
7	C-17 (MVP)				276.9		222.2		189.9	U
	ADVANCE PROCUREMENT (CV)				(203.5)					
	(FY 1993 FOR FY 1994) (MEMO)				(73.4)					
	(FY 1993 FOR FY 1995) (MEMO)									
	(FY 1994 FOR FY 1995) (MEMO)									
	(FY 1995 FOR FY 1996) (MEMO)									
8	HC-130	A	99.0						(189.9)	U
	OTHER AIRLIFT									
9	C-130H	A	287.1	8	53.6				50.0	U
	NON DEVELOPMENT AIRLIFT									
10	NON DEVELOPMENT AIRLIFT AIRCRAFT	A			97.9				103.7	U
	TOTAL AIRLIFT AIRCRAFT		2,451.5		2,308.6				2,816.5	
	BUDGET ACTIVITY 03: TRAINER AIRCRAFT									
	OPERATIONAL TRAINERS									
11	ENHANCED FLIGHT SCREENER	A	12.5	42	9.9					U
12	JPATS	A	41,088,333						123.3	U

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* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEB 1994

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS) FY 1995 UNIT COST	MILLIONS OF DOLLARS				U		
				FY 1993 QUANTITY	FY 1993 COST	FY 1994 QUANTITY	FY 1994 COST			
13	TANKER, TRANSPORT, TRAINER SYSTEM	B	4,848,843	36	156.6	35	140.8	32	155.2	U
	TOTAL TRAINER AIRCRAFT				169.2		150.7		278.4	
BUDGET ACTIVITY 04: OTHER AIRCRAFT										
HELICOPTERS										
14	MH-60G	A	29.8	10						U
MISSION SUPPORT AIRCRAFT										
15	CIVIL AIR PATROL A/C	A	53,481	27	2.7	27	3.6	27	1.4	U
OTHER AIRCRAFT										
16	DRUG INTERDICTION	A	35.0							U
OTHER AIRCRAFT										
17	E-8B	B	284,519,500	2	(622.1)	2	(514.7)	2	(569.0)	U
	LESS: ADVANCE PROCUREMENT (PV)				(-125.4)		(-78.3)		(-123.7)	
					496.7		436.3		445.3	
OTHER AIRCRAFT										
18	E-8B				78.3		123.7		118.9	U
	ADVANCE PROCUREMENT (CV)				(78.3)		(123.7)		(118.9)	
	(FY 1993 FOR FY 1994) (MEMO)									
	(FY 1994 FOR FY 1995) (MEMO)									
	(FY 1995 FOR FY 1996) (MEMO)									
19	SOF A/C CSE	A					18.8			U
	TOTAL OTHER AIRCRAFT				642.6		582.4		565.7	

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1994

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS				
			UNIT COST	FY 1995	QUANTITY	COST	QUANTITY	COST	

BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT

STRATEGIC AIRCRAFT

20 B-2A	A				21.9		65.1	U
21 B-1B	A		50.9		29.0		45.6	U
22 B-52	A		64.1		37.4		25.8	U
23 F-117	A		14.6		16.3		11.2	U

TACTICAL AIRCRAFT

24 A-10	A		7.6		19.6		47.2	U
25 F/RF-4	A				2.0		1.6	U
26 F-15	A		301.3		268.3		201.1	U
27 F-16	A		168.0		120.5		157.2	U
28 EF-111	A		8.9		3.8		2.0	U
29 F-111	A		39.6		19.1		5.0	U
30 TR-1A	A		.2					U

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEB 1994

* APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	(DOLLARS)		MILLIONS OF DOLLARS		S	
			FY 1995 UNIT COST	FY 1995 COST	FY 1994 QUANTITY	FY 1994 COST		FY 1995 QUANTITY
31	T/AT-37	A		1.9		3.4	1.4	U
AIRLIFT AIRCRAFT								
32	C-5	A		4.9		31.1	28.7	U
33	C-9	A		2.0		8.5	6.8	U
34	C-17A	A				2.1	6.1	U
35	C-21	A		.1		.3	2.5	U
36	C-22	A					5.1	U
37	C-STOL	A		.1		.1	.7	U
38	C-137	A		3.2		3.5	1.4	U
39	C-141	A		13.1		29.2	14.5	U
TRAINER AIRCRAFT								
40	T-38	A		30.3		12.9	25.6	U
41	T-41 AIRCRAFT	A				.2	.2	U
42	T-43	A		.3		.3	5.2	U
OTHER AIRCRAFT								
43	KC-10A (ATCA)	A		17.6		36.7	18.1	U
44	C-12	A		.2		.3	1.3	U

• ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEB 1994

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1995 (DOLLARS)		FY 1993		FY 1994		FY 1995		S E C
			UNIT COST		QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
45	C-18	A		.2		.2				2.1	U
46	C-20 MODS	A		.1		.1				6.5	U
47	VC-25A MOD	A		.2		.6				.8	U
48	C-130	A		72.0		129.1				77.0	U
49	C-135	A		411.4		70.6				103.4	U
50	E-3	A		75.4		4.6				137.6	U
51	E-4	A		17.8		9.0				35.2	U
52	H-1	A				.1					U
53	H-60	A				29.6				.3	U
54	OTHER AIRCRAFT	A		85.9		66.8				40.8	U
55	DARP MODS									3.7	U
OTHER MODIFICATIONS											
56	CLASSIFIED PROJECTS	A		53.9		28.3				48.9	U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT					1,445.7		1,005.4			1,135.9	
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS											
AIRCRAFT SPARES + REPAIR PARTS											

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 1994

MILLIONS OF DOLLARS

(DOLLARS)

FY 1995

FY 1993

FY 1994

FY 1995

UNIT COST

QUANTITY

COST

QUANTITY

COST

QUANTITY

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QUANTITY

COST

IDENT

CODE

A

57 SPARES AND REPAIR PARTS

487.9

425.7

488.9 U

TOTAL AIRCRAFT SPARES AND REPAIR PARTS

487.9

425.7

488.9

BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES

COMMON AGE

58 COMMON AGE

446.7

193.5

225.8 U

INDUSTRIAL PREPAREDNESS

59 INDUSTRIAL PREPAREDNESS

35.1

25.1

52.5 U

WAR CONSUMABLES

60 WAR CONSUMABLES

27.8

17.9

26.6 U

OTHER PRODUCTION CHARGES

61

586.4

638.1

259.5 U

62 DARP SUPPORT EQUIPMENT

COMMON ECM EQUIPMENT

63 COMMON ECM EQUIPMENT

97.7

24.5

41.3 U

OTHER PRODUCTION CHARGES - SOF

* ITEMS UNDER \$50,000

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DEPARTMENT OF THE AIR FORCE
FY 1995 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: FEB 1994

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1993		FY 1994		FY 1995		U
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
(DOLLARS)									
MILLIONS OF DOLLARS									
64	OTHER PRODUCTION CHARGES - SOF	A		26.6					
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES				1,220.2		899.1		802.6	
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE				9,907.4		6,605.0		6,747.6	

* ITEMS UNDER \$50,000

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AIRCRAFT PROCUREMENT, AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the forgoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things; ~~(\$6,662,934)~~ \$6,747,599, to remain available for obligation until September 30, ~~(1996)~~ 1997.

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COMPARISON OF FY 1993 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1994 PB WITH 1993 PROGRAM REQUIREMENTS
AS SHOWN IN FY 1995 PB

SUMMARY OF REQUIREMENTS (in Thousands)

	FY 93 Col Total Program Requirements per FY 94 PB	FY 93 Col Total Program Requirements per FY 95 PB	Increase or Decrease ()
Combat Aircraft	3,513,753	3,490,276	(23,477)
Airlift Aircraft	2,437,667	2,451,506	13,839
Trainer Aircraft	169,164	169,164	0
Other Aircraft	617,578	642,604	25,026
Modification of In-Service Aircraft	1,570,863	1,445,739	(125,124)
Aircraft Spares and Repair Parts	495,741	487,918	(7,823)
ACFT Support Equipment and Facilities	1,195,530	1,220,200	24,670
Reimbursable Program	327,900	85,706	(242,194)
Total Fiscal Year Program	10,328,196	9,993,113	(335,083)

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
(\$ in Millions)

1. **Combat Aircraft: -\$23.5**
Decrease is the result of net adjustment to the following: Below threshold reprogrammings for upward adjustments from the B-1 (-\$5.2), the B-2 (-\$18.1), and the F-16 (-\$2).
2. **Airlift Aircraft: +\$13.8**
Increase represents a net increase to the C-17 to partially fund proposed settlement (+\$24.1) offset by a decrease to the C-130 for NUNN/LUGER (-\$6.0) and omnibus reprogramming requirements (-\$4.3).
3. **Trainer Aircraft: \$0**
No change in budget activity funding.
4. **Other Aircraft: +\$25.0**
Increase represents a net increase into Aircraft Procurement for Drug Interdiction Aircraft (+\$35.0) offset by below threshold reprogramming from the E-8 (-\$10.0).
5. **Modification of In-Service Aircraft: -\$125.1**
Decrease is the result of rescission proposal for C-135 (-\$92.8), proposed reprogramming of C-141 for C-17 proposed settlement (-\$26.0); and various below threshold reprogrammings (-\$6.3).
6. **Aircraft Spares and Repair Parts -\$7.8**
Decrease due to below threshold reprogrammings (-\$7.8).
7. **Aircraft Support Equipment and Facilities +\$24.7**
Increase due to below threshold reprogrammings to Common Support Equipment, Other Production Charges, and Common ECM Equipment and ATARS proposed rescission. (+\$24.7)

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COMPARISON OF FY 1993 FINANCING AS REFLECTED
IN FY 1994 PB WITH FY 1993 FINANCING
AS SHOWN IN FY 1995 BUDGET

	Financing per FY 1994 PB	Financing per FY 1995 Budget	Increase Decrease ()
Program Requirements			
Reimbursable Service Account	(327,900) (10,000,296)	(85,706) (10,013,006)	(242,194) 12,710
Subtotal Program Requirements	10,328,196	10,098,712	(229,484)
Less:			
Anticipated Reimbursements Reprogramming from/to prior year budget plans	327,900 0	85,706 136,742	(242,194) 136,742
Subtotal	327,900	222,448	(105,452)
Add:			
Unobligated balance expiring Reduction Pursuant to P.L. 101-51 Rescissions	0 28,989 0	136,742 0 (105,600)	136,742 (28,989) (105,600)
Subtotal	28,989	31,142	2,153
Appropriation	10,029,285	9,907,406	(121,879)

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COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1994 PB WITH 1994 PROGRAM REQUIREMENTS
AS SHOWN IN FY 1995 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Col Total Program Requirements per FY 94 PB	FY 94 Col Total Program Requirements per FY 95 PB	Increase or Decrease ()
Combat Aircraft	1,591,057	1,233,165	(357,892)
Airlift Aircraft	2,516,395	2,308,572	(207,823)
Trainer Aircraft	157,308	150,699	(6,609)
Other Aircraft	426,818	582,421	155,603
Modification of In-Service Aircraft	1,107,988	1,005,388	(102,600)
Aircraft Spares and Repair Parts	556,077	425,677	(130,400)
ACFT Support Equipment and Facilities	945,322	899,112	(46,210)
Reimbursable Program	175,500	99,900	(75,600)
Total Fiscal Year Program	7,476,465	6,704,934	(771,531)

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COMPARISON OF FY 1993 FINANCING AS REFLECTED
IN FY 1993 APB WITH FY 1993 FINANCING
AS SHOWN IN FY 1994 BUDGET

	Financing per FY 1993 APB	Financing per FY 1994 Budget	Increase Decrease ()
Program Requirements	11,256,601	10,328,196	(928,405)
Program Requirement (Service Account)	(10,928,701)	(10,000,296)	(928,405)
Program Requirements (Reimbursable)	(327,900)	(327,900)	0
Less:			
Anticipated Reimbursements	327,900	327,900	0
Reprogramming from/to prior year budget plans			
Add:			
Reduction Pursuant to P.L.101-51	0	28,989	28,989
Rescission	0	0	0
Appropriation	10,928,701	10,029,285	(899,416)

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
(\$ in Millions)

1. **Combat Aircraft: -\$357.9**
Decrease is the net result of reduction to the F-16 (-\$324.7) and the B-2 (-\$32.1) programs and distribution of a general reduction (-\$1.1) for non Federally Funded Research Centers (FFRDCs).
2. **Airlift Aircraft: -\$207.8**
Net decrease is the result of a reduction and proposed reprogramming to the C-17 (-\$161.3), defense contract Admin/Audit (-\$144.3), add of Non Development Airlift Aircraft (+\$100.0), and distribution of a general reduction (-\$2.2) for non FFRDCs.
3. **Trainer Aircraft: -\$6.6**
Decrease is the result of a reduction to the TTTS (-\$6.6) program
4. **Other Aircraft: +\$155.6**
Increase is the net result of addition of JSTARS aircraft (E-8) (+\$155.0) and an increase to the Civil Air Patrol program (+\$1.1) offset by general non FFRDC reduction (-\$.5)
5. **Modification of In-Service Aircraft: -\$102.6**
The decrease is the result of adjustments to the following weapon systems:
B-1B (-\$21.8), B-52 (-\$10.0), A-10 (-\$8.8), F-15 (-\$14.4), EF-111 (+\$3.8), C-17A (-\$14.4), C-130 (-\$12.0), C-135 (+\$24.0), E-4 (-\$22.5), Other Mods (-\$17.2), and Classified Projects (-\$9.3) to reflect the final FY94 appropriation
6. **Aircraft Spares and Repair Parts -\$130.4**
The net decrease is the result of a reduction (-\$100.0) reflecting the final FY94 appropriation and a proposed reprogramming (-\$30.4) to partially finance C-17 program requirements
7. **Aircraft Support Equipment and Facilities +\$46.2**
Decrease is the net result of reductions to Other Production charges (-\$31.8) and War Consumables program (-\$14.0) and distribution of a general reduction for non FFRDCs (-\$.4)

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COMPARISON OF FY 1993 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1995 PB WITH 1994 PROGRAM REQUIREMENTS
AS SHOWN IN FY 1995 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 93 Program Requirements per FY 95 PB	FY 94 Program Requirements per FY 95 PB	Increase or Decrease ()
Combat Aircraft	3,490,276	1,233,165	(2,257,111)
Airlift Aircraft	2,451,506	2,308,572	(142,934)
Trainer Aircraft	169,164	150,699	(18,465)
Other Aircraft	642,604	582,421	(60,183)
Modification of In-Service Aircraft	1,445,739	1,005,388	(440,351)
Aircraft Spares and Repair Parts	487,918	425,677	(62,241)
ACFT Support Equipment and Facilities	1,220,200	899,112	(321,088)
Reimbursable Program	85,706	99,900	14,194
Total Fiscal Year Program	9,993,113	6,704,934	(3,288,179)

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**EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
(\$ in Millions)**

- 1. Combat Aircraft: -\$2,257.1**
 B-2: FY93 concludes 20 aircraft buy (-\$2,070.3)
 F-16: Reflects decrease in production quantities from 24 to 12 aircraft offset by termination costs (-\$196.5)
 B-1: Increase for ICS requirements (+\$1.9)
 F-15: Increase requirement for organic support equipment (+\$7.8)

- 2. Airlift Aircraft: -\$142.9**
 C-130: Termination of C-130 production with the FY93 buy of 8 aircraft (-\$233.5)
 HC-130: Reflects a one time buy in FY93 (-\$99.0)
 NDAA: Initiation of a Non Developmental Airlift Aircraft program (+\$97.9)
 C-17: Increased funding for ICS and support equipment (+\$91.7)

- 3. Trainer Aircraft: -\$18.5**
 EFS: Quantity decrease from 42 to 33 (-\$2.7)
 TTTTS: Quantity decrease from 36 to 35 and reduced support equipment (-\$15.8) requirements

- 4. Other Aircraft: -\$60.2**
 MH-60G: FY93 concludes buy with 10 in FY93 (-\$29.8)
 Drug Interdiction: A one time buy in FY 93 (-\$35.0)
 SOFCOM: Reflects transfer of common support equipment from Budget Authority 07 (CSE) to Budget Authority 04 in support of integrated weapon system management (+\$18.8)
 JSTARS: Reduced support equipment buy (-\$15.0) due to requirement phasing

- 6. Modification of In-Service Aircraft: -\$440.4**

WEAPON SYSTEM	FY 1993	FY 1994	FY 1995
E-3	75.4	4.6	137.6
A-10	7.6	19.6	47.2
B-1	50.9	29.0	45.6
C-5	4.9	31.1	28.7
C-130	72.0	128.6	77.0
C-135	411.4	36.8	102.2
CLASSIFIED PROJECTS			
F-16	53.9	28.3	48.7
F-15	168.0	120.5	157.2
	301.3	268.3	201.1

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
(Cont)
(\$ in Millions)

Annualization reduced required funding level of FY 94 on all platforms.

- B-2: FY 95 new start ZSR-63-Band 4 (Radar Warning Receiver).
- B-1: FY 93 is last year of funding for Overwing Fairing Fire Prevention.
FY 94 begins AFT DC Power Upgrade.
- A-10: FY 94 several major modifications begin including IDM, Forward Looking Infrared, and night attack capabilities.
- F-15: FY 94 began GPS modification, skip year for ALQ-135 P3I, and last year for ALR-56C.
FY 95 last year of funding for ALQ-135.
- F-16: FY 94 restructured to level requirements on Radar Warning Receiver, F100-200E Engine upgrade.
FY 95 begins Joint Direct Attack Munitions.
- F-111: FY 94 completed major mods.
- C-5: FY 94 began MADARS II Multiplexer, MLG/Door Actuating System, and GPS.
- C-21: FY 95 begins GPS.
- C-141: FY 94 began Weepole Rework.
FY 95 is a skip year for AWLS/Autopilot due to sufficient kits on hand to maintain schedule
- T-38: FY 94 annualized Bulkhead funding.
FY 95 begins GPS.
- T-43: FY 95 begins GPS.
- KC-10: FY 94 began GPS.
- C-20: FY 95 begins GPS.
- C-130: FY 95 begins Electrical System and last major funding for HF Auto Com Processor and ADS.

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- C-135: FY 94 is a skip year or reengineering modifications sufficient kits on hand to maintain schedule
FY 95 begins Multipoint Refueling and GPS.
- E-3: FY 94 is a skip year for interconnectivity modifications (ESM, DAPG, GPS and JTIDS TADIL J) sufficient kits on hand to maintain schedule
- E-4: FY 95 begins High Power Transmitter Set.
- MH-60: FY 94 Began Retrofit and modification.
6. Aircraft Spares and Repair Parts: -\$62.2
Replenishment Spares decrease due to reduction of requirements for Classified Programs (-\$41.8); CLS Systems/Trainers decrease due primarily to reduction of requirements for NEACP Operations (-\$9.9); and Munition Items Spares (-\$21.2).
Initial Spares increase due to renewed funding for B-2 and C-17 offset by decreased requirements for Modification Initial Spares (-\$10.7).
7. Aircraft Support Equipment and Facilities: -\$321.1
Decrease due to reduced funding required for the following programs: Common Ground Equipment (-\$253.1); Industrial Preparedness (-\$10.0); War Consumables (-\$9.9); Other Production Charges (+\$51.7); Common ECM Equipment (-\$73.2); Canceled Account Adjustments (-\$26.6).

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COMPARISON OF FY 1994 PROGRAM REQUIREMENTS AS REFLECTED
IN FY 1995 PB WITH 1995 PROGRAM REQUIREMENTS
AS SHOWN IN FY 1995 PB

SUMMARY OF REQUIREMENTS (In Thousands)

	FY 94 Program Requirements per FY 95 PB	FY 95 Program Requirements per FY 95 PB	Increase or Decrease ()
Combat Aircraft	1,233,165	659,581	(573,584)
Airlift Aircraft	2,308,572	2,816,496	507,924
Trainer Aircraft	150,699	278,428	127,729
Other Aircraft	582,421	565,683	(16,738)
Modification of In-Service Aircraft	1,005,388	1,135,929	130,541
Aircraft Spares and Repair Parts	425,677	488,894	63,217
ACFT Support Equipment and Facilities	899,112	802,588	(96,524)
Reimbursable Program	99,900	108,000	8,100
Total Fiscal Year Program	6,704,934	6,855,599	150,665

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EXPLANATION OF CHANGES WITHIN BUDGET ACTIVITY
(\$ in Millions)

1. **Combat Aircraft: -\$573.6**
B-1: Completion of deferred logistics support requirements in FY 94 (-\$8.1)
B-2: Decrease in training and non-recurring requirements and Other Government costs (-\$187.4)
F-15: Decrease in funding for Avionics Peculiar Support Equipment (-\$8.3)
F-16: FY 94 last buy (-\$369.8)
2. **Airlift Aircraft: +\$507.9**
C-17: Funding (\$140.0M) for HAZMAT environmental proposed, C-17 contract settlement, and funding for cost reduction initiatives (+\$505.8)
C-130: Reduced ICS (-\$3.6)
Non-Developmental Airlift Aircraft: (+\$5.7)
3. **Trainer Aircraft: +\$127.7**
EFS: FY 94 final buy (-\$10.0)
JPATS: FY 95 initial buy (+\$123.3)
TTTS: Reduction of 3 aircraft offset buy increased support equipment requirements (+\$14.4)
4. **Other Aircraft: -\$16.7**
One time funding for SOF Aircraft Support Equipment in FY 94
5. **Modification of In-Service Aircraft: +\$130.5**
See FY 93 - FY 94 Comparison explanation
6. **Aircraft Spares and Repair Parts: +\$63.2**
Replenishment Spares increase due to CLS Systems/Trainers requirements for NEACP Operations and F-117 (+\$11.3);
Munition Coded Spares (+\$11.4); offset by a decrease to Classified Program funding (-\$3.6). Initial Spares increase due to increased funding for initial modifications spare parts partially offset by various decreases to Weapon System and Other Spares (+\$44.1)
7. **Aircraft Support Equipment and Facilities: -\$96.5**
Decrease due to reduced requirements for Other Production Charges, primarily the NATO AWACS, F-117, and LANTIRN programs (-\$181.7), offset by increases in Common Support Equipment (+\$31.6), Industrial Preparedness (+\$27.4), War Consumables (+\$8.7) and Common ECM equipment (+\$17.5).

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**GLOSSARY
OF ACRONYMS**

AGM - Air-to-Ground Missile
AIM - Air Intercept Missile
AIS - Avionics Intermediate Shop
ACMI - Aircraft Combat Maneuvering Instrumentation
AMRAAM - Advanced Medium-Range Air-to-Air Missile
ASPJ - Airborne Self Protection Jammer
AUTODIN - Automated Digital Network
AWACS - Airborne Warning and Control System
BLSS - Base Level Self-Sufficiency Spares
BY - Budget Year
C3 - Command, Control and Communication System
CFE - Contractor Furnished Equipment
CONUS - Continental United States
CPMS - Comprehensive Power Management System
CPT - Cockpit Procedures Trainer
CRA - Continuing Resolution Authority
CSRL - Common Strategic Rotary Launcher
CTS - Countermeasure Test Set
CY - Current Year
DDTE - Design, Development, Test and Evaluation
ECCM - Electronic Counter Measures
ECM - Electronic Counter Measures
ECO - Engineering Change Order
EOQ - Economic Order Quantity
ECP - Engineering Change Proposal
EPA - Economic Price Adjustment
EW - Electronic Warfare
EWAISP - Electronic Warfare Avionics Integration Support Facility
FLIR - Forward Looking Infra Red
FOT&E - Follow-on Test and Evaluation
FOC - Fully Operational Capability
FLTS - Flight Line Test Set
FPIF - Fixed Price Incentive Fee

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FPIS - Fixed Price Incentive Fee, Successive Targets
GFE - Government Furnished Equipment
GPS - Global Positioning System
GPU - Ground Power Unit
GSE - Ground Support Equipment
HAMOTS - High Accuracy Multiple Object Tracking System
IOC - Initial Operation Capability
IPE - Increased Performance Engine
LANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night
MC RATE - Mission Capable Rate
METS - Mobile Electronic Test Stations
MYP - Multiyear Procurement
MSIP - Multi-Stage Improvement Program
NMC RATE - Not Mission Capable Rate
OFP - Operational Flight Program
OT&E - Operational Test & Evaluation
OWRM - Other War Reserve Material
PAGEL - Priced Aerospace Ground Equipment List
PB - President's Budget
PGSE - Peculiar Ground Support Equipment
PMC - Procurement Method Code
PR - Purchase Request
PTT - Part Task Trainer
PY - Prior Year
R&M - Reliability and Maintenance
RAA - Required Asset Availability
RDT&E - Research, Development, Test & Evaluation
ROC - Required Operational Capability
RWR - Radar Warning Receiver
ROM - Rough Order of Magnitude
SAM - Surface-to-Air Missile
SS - Sole Source
SOF - Special Operation Force
TAF - Tactical Air Force
TEWS - Tactical Electronic Warfare System
TISS - TEWS Intermediate Support Station

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- TOA - Total Obligation Authority
- WMP - War Mobilization Plan
- WRM - War Reserve Material
- WRSK - War Reserve Spare Kits
- WST - Weapon System Trainer
- UHF - Ultra High Frequency
- VHSIC - Very High Speed Integrated Circuit

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ORGANIZATIONS

ACC - Air Combat Command
AFMC - Air Force Materiel
ALC - Air Logistics Center
ASC - Aeronautical Systems Center
ATC - Air Training Command
FAA - Federal Aviation Administration
NATO - North Atlantic Treaty Organization
OSD - Office of the Secretary of Defense
PACAF - Pacific Air Forces
USAFE - United States Air Force Europe

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TERMS

Advanced Buy - Obligating fund for longlead material/component is advance of the fiscal year the end item is authorized and procurement starts.

Avionics - Electronic equipment on-board aircraft

Boresight - An optical reference line used in harmonizing guns, rockets on other weapon launchers

Chaff Flare - Radar and infrared countermeasures

Depot - Wholesale level repair and supply point

Drone - An object used for target practice

Fly by wire - Full authority electronic flight control system

Ground Clutter - Objects on the ground which cause distorted or misleading radar readings

Interdiction - Operational term for behind the front line bombing

Intertheater - Global

Intratheater - Within given area

Mobilization - The ability to move war fighting equipment from one place to another

Multi Stage Improvement Program - A phased program for upgrading the F-15 and F-16

Off the Shelf - Commercially available equipment

Pipeline Standards - The expected average time it takes for a component to be removed from the aircraft, repaired and returned for use in serviceable condition

Prototype - A working model transforming a developmental idea into reality

Provisioning - The process of determining and contracting for spare parts required to support new production systems for the initial support period

Pylon - Munitions adapter

Readiness - Ability to go to war and support initial deployment

Robotics - Automated manufacturing technique

S-Band - Radio frequency spectrums from 1550 to 3990 MHZ

Solicitation - The process of requesting proposals from private industry for goods & services required by the government

Surge - The period of time between normal operations and increased operations

Sustainability - Ability to sustain wartime combat rates after initial surge

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P-40 FOR NET P-1 COST		BUDGET ITEM JUSTIFICATION SHEET				DATE 18 FEB 1984								
APPROPRIATION/BUDGET ACTIVITY Aircraft, AF/BA01, Combat Aircraft		P-1 ITEM NOMENCLATURE B-1B Deferred Logistics/Interim Contractor Support												
QUANTITY	N/A	FY(PY)93	N/A	FY(CY)94	N/A	FY(BY)95	N/A	FY(BY+1)96	N/A	FY(BY+2)97	N/A	FY(BY+3)98	N/A	FY(BY+4)99
COST (In Millions)	160.5	162.4	154.3	127.5	101.3	53.9	45.8							
<p>MISSION AND DESCRIPTION: The B-1B has been designated as the "backbone" of the conventional bomber force. The Deferred Logistics Program involves the purchase of initial support equipment and technical orders not purchased as part of the full scale production program for the B-1B. This line also provides Interim Contractor Support for the B-1B as the needed support equipment is delivered.</p> <p>JUSTIFICATION: Interim Contractor Support (ICS) funding of \$152.2M in FY95 is for both Intermediate and Depot Level repair services for the B-1B weapon system. Interim Contractor Support services, material support, data management, contractor operated storage sites, packaging, handling, transportation and material control systems for items both intermediate and depot level ICS repairs. There are approximately 90 subvendors for D-level repairs for the Rockwell ICS contract alone. Types of items that are repaired on ICS include: gearbox assemblies, manifold assemblies, vertical indicators, auxiliary power units, and power drive units.</p> <p>Funding of \$2.1M is also requested in FY95 to provide Type I factory training on a variety of B-1B subsystems and the simulator. This need is ongoing to keep training current with the current system configuration.</p>														
P-1 Shopping List Item No. 1-1												EXHIBIT P-40		

AIRCRAFT COST ANALYSIS (Dollars in millions)	A. Aircraft Model T-3A		B. Popular Name EFS		C. Manufacturer Slingsby Aviation Ltd.		D. Date: Feb-94
	FY 93 Unit Cost	QTY 42 Total Cost	FY 94 Unit Cost	QTY 33 Total Cost	FY 95 Unit Cost	QTY Total Cost	
	PROGRAM ITEM						
1. Airframe/CFE	0.3	12.2	0.3	9.2	0	0	
2. Engine/Accessories (per A/C (Eng Model:)	0		0		0	0	
3. Avionics: CFE	0		0		0	0	
GFE	0		0		0	0	
4. Armament	0		0		0	0	
5. Other GFE	0		0		0	0	
6. ECO (All Flyaway Components)	0		0	0.7	0	0	
7. Non-recurring Costs	0		0		0	0	
8. Other Costs	0		0		0	0	
9. Flyaway Costs	0.3	12.2	0.3	9.9	0	0	
10. Airframe PGSE		0.1		0		0	
11. Engine PGSE						0	
12. Avionics PGSE						10	
13. Peculiar Training Equipment						0	
14. Publications/Tech. Data						0	
15. ECO (All Support Items)		0.2				0	
16. Other (ICS & ICSE)		0.3				0	
17. Support Cost				0.1		0	
18. Gross P-1 Cost		12.5		10	0	0	
19. Less: Prior Yr Adv. Proc.						0	
20. Net P-1 Cost	0.3	12.5	0.3	10	0	0	

NOTE: Unit Flyaway cost does not include non-recurring costs.
* Unit cost less than \$50K

Exhibit P-5

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P-22a

A. DATE		B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
B. APPROPRIATION/BUDGET ACTIVITY											C. P-1 ITEM NOMENCLATURE	A. DATE		C. P-1 ITEM NOMENCLATURE	A. DATE	
PROCUREMENT HISTORY & PLANNING											7 Feb 1994					
AIRCRAFT PROCUREMENT, AF/BAO3/OPERATIONAL TRAINERS											T-3A - ENHANCED FLIGHT SCREENER (EFS)					
LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL						
AIRFRAME																
FY93	SLINGSBY AVIATION LTD	FFP	AFMC/ASC	MAR 93	JUL 94	42	0.3	YES	YES	JAN 94						
FY94	SLINGSBY AVIATION LTD	FFP	AFMC/ASC	MAR 94	APR 95	33	0.3	YES	YES	JAN 94						
FY95	N/A															
PROPULSION																
FY93	Pratt & Whitney	FFP	AMC/ASC	FEB 94	JUL 94	6 S/S	24.7									
FY94	Pratt & Whitney	FFP	AMC/ASC	FEB 95	JUN 95	6 S/S	23.7									
FY95	N/A															

NOTE:

P-1 Shopping List

EXHIBIT P-22a

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: T-3A Enhanced Flight Screener (EFS)

I. Procurement Program:

	Service	Other Service	FMS/Other
1st BY FY 95	0		
CY FY 94	33		
PY FY 93	42		

II. Hardware (Unit Cost) (Provide for each P-5, P-12, or P-22 Flyaway stub entry)

	FY (PY) 93	DIFF	FY (CY) 94	DIFF	FY (BY) 95
Satellite	0.3	0.0	0.3	0.3	0.0

Reason for Change:

FY93-94	No change
FY94-95	FY 94 is the last buy-year

III. Procurement Support (Total Cost) (Explain difference for each support stub entry)

PGSE	0.1	0.1	0	0
------	-----	-----	---	---

Reason for Change

FY 93-94	Most of the articles are bought in FY 92 & FY 93.
FY 94-95	FY 94 is the 1st buy-year.

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET						DATE: 7-Feb-94	
APPROPRIATION/BUDGET ACTIVITY: Aircraft Procurement/BA03, Trainer Aircraft			P-1 ITEM NOMENCLATURE: Joint Primary Aircraft Training System (JPATS)				
QUANTITY	FY(PY)93 0	FY(CY)94 0	FY(BY)95 3	FY(BY2)96 10	FY(BY+1)97 24	FY(BY+2)98 36	FY(BY+3)99 48
COST (In Millions)	\$0.0	\$0.0	\$123.3	\$134.0	\$188.0	\$257.9	\$301.2
<p>MISSION AND DESCRIPTION: JPATS is planned as a joint USAF/USN venture to replace the Services' fleets of primary trainer aircraft (T-37/T-34 respectively) and associated Ground Based Training System (GBTS). The USAF's T-37 aircraft average over 30 years of age. They have antiquated, increasingly unsupportable and non-representative avionics as well as underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF will serve as the Lead or Executive Service.</p> <p>The JPATS program will acquire a non-developmental aircraft. Missionization may occur after contract award.</p> <p>FY94 PROGRAM JUSTIFICATION: N/A</p> <p>FY95 PROGRAM JUSTIFICATION: Procure 3 aircraft and associated support. Aircraft are required to begin student training at Randolph AFB, TX to meet the planned FY00 IOC.</p> <p>COOPERATIVE PROGRAMS: N/A</p>							

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SIMULATOR AND TRAINING DEVICE JUSTIFICATION (\$M)					DATE 07 FEB 94	PE		
Appropriation/P-1 Line Item		Weapon System (If Applicable)			Equipment Nomenclature			
3010		JPATS S-AF			84740F			
Fin Plan	Prior Years	Current FY	BY95	BY96	BY97	BY98	BY99	Total
Quantity	0	0	0	0	1	10	4	15
Proc	0.0	0.0	0.0	0.0	17.0	23.6	11.1	51.6
RDT&E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
O&S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
TRAINING SYSTEM DESCRIPTION:								
Training will consist of a single primary phase (JPATS) and a dual advanced phase in either the T-1A or T38 aircraft.								
The objective of both the Navy and the Air Force is to jointly acquire an								
integrated training system using similar hardware with like capabilities.								
Components of the system include simulators, curricula, contract logistic support,								
and aircraft. This project represents the ground based training portion of the system.								
P-1 Shopping List		Page No.		Exhibit P-43, Page 1 of 4				
Item No.		Justification		Simulator & Trng Device				

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WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

WEAPON SYSTEM: JPATS

DATE: 7-Feb-94

I. Procurement Program:

	Service	Other Service	FMS/Other
FY BY 95	3		
FY CY 94	0		
FY PY 93	0		

	FY(PY) 93	DIFF	FY(CY)94	DIFF	FY(BY)95
AIRFRAME	0	0	0	8.7	8.7

REASON FOR CHANGE:

FY93-94
FY94-95
INITIAL CONTRACT AWARD

ENGINE/ACCESSORIES

REASON FOR CHANGE:

FY93-94
FY94-95

AVONICS: CFE

0 0 0 0.6 0.6

REASON FOR CHANGE:

FY93-94
FY94-95
INITIAL CONTRACT AWARD

EXHIBIT P-44

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WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

WEAPON SYSTEM: JPATS **DATE:** 7-Feb-94

III. Procurement Support (Total Cost) (Cont)

NON-RECURRING COSTS
FY(PY) 93 DIFF FY(CY)94 DIFF FY(BY)95

REASON FOR CHANGE:

FY93-94
FY94-95

OTHER COSTS

REASON FOR CHANGE:

FY93-94
FY94-95

PECULIAR TRAINING EQUIPMENT

REASON FOR CHANGE:

FY93-94
FY94-95

ENGINE PGSE

REASON FOR CHANGE:

FY93-94
FY94-95

EXHIBIT P-44

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BUDGET PROCUREMENT HISTORY PLANNING						A. DATE				
						February 1994				
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT			C. P-1 ITEM NOMENCLATURE 1.5 Ton Liquid Oxygen/Liquid Nitrogen (LOX/LIN) Plant NSN: 3655-00-722-3901							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY94	UNKNOWN	C/FP	AFMCSA-ALC	JUN 94	APR 95	1	1,000,000	YES	NO	
FY95	UNKNOWN	OPTION	AFMCSA-ALC	APR 95	DEC 95	5	511,000	YES	NO	

D. REMARKS		
FY94 UNIT COST BASED ON ENGINEERING ESTIMATE FOR FIRST ARTICLE TEST UNIT.		
FY95 UNIT COST BASED ON ENGINEERING ESTIMATE.		
P-1 SHOPP LIST ITEM NO.	PAGE NO.	Exhibit P-22a
58-17		

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REQUIREMENTS STUDY EXHIBIT P-20		DATE: February 1994
APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT		P-1 ITEM NOMENCLATURE: NSN: 3655-00-722-3901 1.5 TON LIQUID OXYGEN/LIQUID NITROGEN PLANT
ELEMENT OF STUDY		MEMO ENTRIES
ASSETS ON HAND: AS OF 31 Mar 93		
DUE-IN W/FY 93 AND PRIOR FUNDS	18	
DUE-IN W/FY 94 PROGRAM FUNDS	0	24
TOTAL ASSETS	1	0
		0
		0
	19	0
LESS DISPOSALS/EXPENDITURES		
A. DISPOSALS THRU FY 94	0	24
B.	0	
C.	0	
D.	0	
TOTAL USAGES		
NET ASSETS: END OF FY 94	0	
	19	
LESS DISPOSALS/EXPENDITURES		
A. FY 95 DISPOSALS	0	
B.	0	
C.	0	
D.	0	
TOTAL		
NET ASSETS WITHOUT FY 95 BUY		0
		19
INVENTORY OBJECTIVE		
REQUIRED FY 96 PROCUREMENT	24	
FY 95 PROCUREMENT PROGRAM QUANTITY	5	
NET ASSETS: END OF FY 95		5
		24
REMARKS:		
	P-1 SHOPP LIST ITEM NO. 58-49	
	PAGE NO.	

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**BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)**

DATE February 1994

**APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT**

**P-1 ITEM NOMENCLATURE Purge Unit
NSN: 3655-00-429-2896**

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
QUANTITY	0	1	288	0	0	0	0
COST (in \$M)	\$0.000	\$0.050	\$2.880	\$0.000	\$0.000	\$0.000	\$0.000

- A. DESCRIPTION/FUNCTION:** The Purge Unit is used to evacuate and dehumidify liquid oxygen (LOX) and nitrogen (LIN) storage tanks during maintenance. The unit is trailer mounted for transport on the flightline. The unit consists of an electric motor and pulley driven blower, 6 kilowatt heater, and pressure lines. Air is drawn through elemental filters, forced into metal tubing, heated to 350 degrees and pressurized for discharge into the LOX/LIN tank undergoing maintenance.
- B. PURPOSE OF PROCUREMENT:** To fill shortages and replace 20 - 30 year old equipment that is rapidly becoming unsupportable and obsolete.
- C. APPLICATION:** Aircraft supported by this equipment include the B-1B, C-5, C-130, C-135, C-141, F-15, and F-16.
- D. REQUIREMENTS:** FY95 56 shortages
232 replacements
- E. IMPACT:** Purge Units are used for direct aircraft maintenance as well as maintenance on storage and transport tanks for LOX production in support of life support and medical activities. LIN storage and transport tanks must be moisture free to prevent injection of moisture into aircraft accumulators, struts and tires. The currently in-use, obsolete method/equipment for purging moisture is 20 - 30 years old. If replacement Purge Units are not made available to perform this function properly, equipment and personnel safety is jeopardized.

**P-1 SHOPP LIST
ITEM NO. 58-50**

PAGE NO.

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PROGRAM COST BREAKDOWN

PROGRAM COST BREAKDOWN		P-1 ITEM NOMENCLATURE Purge Unit					DATE February 1994	
APPROPRIATION/BUDGET ACTIVITY		NSN: 3655-00-429-2896						
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT		<i>(Total cost in thousands of dollars)</i>						
ELEMENT OF COST	IDENT CODE	FY 1993		FY 1994		FY 1995		
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
1. PURGE UNIT	A	0	0	1	20	288	2,880	
2. TECHNICAL DATA					30			
TOTAL		0	0	1	50	288	2,880	

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BUDGET PROCUREMENT HISTORY PLANNING						A. DATE February 1994				
B. APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT			C. P-1 ITEM NOMENCLATURE Purge Unit NSN: 3655-00-429-2896							
LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPECS REV REQ'D	IF YES, WHEN AVAIL

FY94	UNKNOWN	C/FFP	AFMCSA-ALC	JUN 94	FEB 95	1	20,000	YES	NO	
FY95	UNKNOWN	OPTION	AFMCSA-ALC	FEB 95	JUN 95	288	10,000	YES	NO	

D. REMARKS FY94 UNIT COST BASED ON ENGINEERING ESTIMATE OF FIRST ARTICLE TEST UNIT. FY95 UNIT COST BASED ON ENGINEERING ESTIMATE OF PRODUCTION UNITS.		Exhibit P-22a
P-1 SHOPP LIST ITEM NO. 58-52	PAGE NO.	

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REQUIREMENTS STUDY EXHIBIT P-20		DATE: February 1994
APPROPRIATION / BUDGET ACTIVITY AIRCRAFT PROCUREMENT, COMMON SUPPORT EQUIPMENT	P-1 ITEM NOMENCLATURE: NSN: 3655-00-429-2696 PURGE UNIT	
ELEMENT OF STUDY	MEMO ENTRIES	
ASSETS ON HAND AS OF 31 Mar 93	233	
DUE-IN W/FY 93 AND PRIOR FUNDS	0	170
DUE-IN W/FY 94 PROGRAM FUNDS	1	91
TOTAL ASSETS	234	24
LESS DISPOSALS/EXPENDITURES		4
A. DISPOSALS THRU FY 94	0	289
B.	0	
C.	0	
D.	0	
TOTAL USAGES	0	
NET ASSETS: END OF FY 94	234	
LESS DISPOSALS/EXPENDITURES		
A. FY 95 DISPOSALS	99	
B.	0	
C.	0	
D.	0	
TOTAL	99	
NET ASSETS WITHOUT FY 95 BUY	135	
INVENTORY OBJECTIVE	289	
REQUIRED FY 96 PROCUREMENT	155	
FY 96 PROCUREMENT PROGRAM QUANTITY	288	*
NET ASSETS: END OF FY 96	423	
REMARKS: * 134 ADDITIONAL ASSETS WILL BE DISPOSED OF IN FY96 AS REPLACEMENTS ARE RECEIVED.		
P-1 SHOPP LIST		
ITEM NO.	58-54	
PAGE NO.		

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**BUDGET ITEM JUSTIFICATION
(EXHIBIT P-40)**

DATE February 1994

**APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT**

**P-1 ITEM NOMENCLATURE Aircraft Pressurized Cabin Leakage Tester
NSN: 4920-00-431-9397**

	FY 1993	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
QUANTITY	0	0	112	120	12	0	0
COST (in Mil)	\$0.000	\$0.000	\$2.278	\$2.441	\$0.244	\$0.000	\$0.000

A. DESCRIPTION/FUNCTION: The Aircraft Pressurized Cabin Leakage Tester is a self-contained, portable, diesel-driven unit. This tester consists of a cabinet on a trailer chassis assembly which houses a diesel engine, a single stage positive displacement blower, intake and outlet silencers, after-cooler and fan, relief and rate control valves, flowmeter, canopy seal compressor and an instrument and control panel. The engine drives the blower. The leakage tester is used to detect life-threatening cabin pressure leaks and furnishes air supply under various combinations of pressures and flows to check aircraft cabins and canopy seals to ensure aircraft will be airworthy.

B. PURPOSE OF PROCUREMENT: This item is being procured to fill shortages and to replace equipment having critical support problems due to the age of the inventory which is 33 years.

C. APPLICATION: This item supports multiple aircraft including the A-10, B-1B, F-15, F-16, and F-117A.

D. REQUIREMENTS: FY95: 60 Shortages
52 Replacements

E. IMPACT: The inability to perform accurate and timely checks of aircraft cabins for pressure leaks can be disastrous to the safety of the crew and aircraft. The wide application, heavy usage and critical function of the pressurized cabin tester requires it to be readily available on the flightline and in the shops. An aircraft cannot be cleared to fly its mission until it has received the tests performed by this item.

**P-1 SHOPP LIST
ITEM NO. 58-55**

PAGE NO.

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BUDGET PROCUREMENT HISTORY PLANNING

A. DATE
February 1994

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT
C. P-1 ITEM NOMENCLATURE Aircraft Pressurized Cabin Leakage Tester NSN: 4920-00-431-9397

LINE ITEM/ FISCAL YEAR	CONTRACTOR/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
FY91	HYDRAULIC INTERNATIONAL, INC	C/FFP	AFMCSA-ALC	JAN 93	APR 96*	2	35,000			
FY95	HYDRAULIC INTERNATIONAL, INC HYDRAULIC INTERNATIONAL, INC CHATSWORTH, CA.	OPTION	AFMCSA-ALC	OCT 94	MAY 95	112	20,339	YES	NO	

D. REMARKS
FY91 UNIT PRICE FOR FIRST ARTICLE. FY91 UNITS WILL BE RETAINED AS PRODUCTION SAMPLES. FIRST ARTICLE ACCEPTANCE IS SCHEDULED FOR AUGUST 1994.
FY95 UNIT PRICE BASED ON FY91 CONTRACT OPTION PRICE.

P-1 SHOPP LIST
ITEM NO. 58-56

PAGE NO.

Exhibit P-22a

UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE February 1994

APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

P-1 ITEM NOMENCLATURE Noise Suppressor, Large Turbo Fan Engine
NSN: 4920-01-062-1096

	FY 1983	FY 1994	FY 1995	FY 1996	FY 1997	FY 1998	FY 1999
QUANTITY	2	2	2	0	0	0	0
COST (in M)	\$4.097	\$4.176	\$4.920	\$0.000	\$0.000	\$0.000	\$0.000

A. DESCRIPTION/FUNCTION: This demountable unit (T-9) consists of structural steel framework lined with acoustical panels, engine thrust fixtures, engine hoist systems, air inlet splitter baffles, exhaust silencer, air compressor, and fire suppression system. This item is used to suppress noise generated by jet engines being run within a facility. This unit is primarily used for bomber, tanker and cargo units and is used to run only uninstalled engines. The overall test chamber system is of integrated design to achieve the necessary operating conditions for satisfactory engine testing and, at the same time, achieve the aerodynamic and thermo-dynamic requirements of the specific engine under test.

B. PURPOSE OF PROCUREMENT: This noise suppressor is the only engine test suppressor presently in the inventory that will accommodate the thrust capacity of the F101 and F108 engines and any other new generation jet engine exceeding 35000 pounds thrust. The requirement for noise suppressors generated from the increasing emphasis on environmental control and a finding by the surgeon general that over 2000 Air Force personnel were being retrained each year for new jobs due to hearing loss associated with jet engine noise. The two FY95 units are in support of United States Air Forces Europe (USAFE) at Ramstein AB, and Spangdahlem AB, Germany.

C. APPLICATION: This item is required at various CONUS and HQ USAFE locations for the F101, F108 and other engines exceeding 35000 pounds thrust. Aircraft supported are the B-1, F-16, C-141, KC-135E, and F-15.

D. REQUIREMENTS: FY95 - 2 Shortages

E. IMPACT: Without adequate noise sound suppression, engine operation is restricted to certain hours of operation (usually daylight up to approximately 2200 hours), which jeopardizes aircraft readiness. Base personnel would be exposed to severe noise with possible hearing damage or loss. In addition, community relations are often strained due to unsuppressed jet engine operation.

P-1 SHOPPING LIST
ITEM NO. 58-59

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PROGRAM COST BREAKDOWN

DATE February 1984

APPROPRIATION/BUDGET ACTIVITY
 AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT P-1 ITEM NOMENCLATURE Noise Suppressor, Large Turbo Fan Engine
 NSN: 4920-01-082-1095

(Total cost in thousands of dollars)

ELEMNT OF COST	IDENT CODE	FY 1983		FY 1984		FY 1985	
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
1. NOISE SUPPRESSOR	A		3,457	2	3,538	2	3,616
2. ACCEPTANCE TEST			4		4		4
3. OTHER*			67		67		731
4. CONTROL ROOM**			569		569		569
TOTAL			4,097	2	4,176	2	4,920

*in addition to basic unit cost, overseas destinations include a transportation and travel differential. Destinations above the 38th parallel have a Northern tier requirement to enclose the observation booth and provide a lean-to.

**installation of a control room provides sites with multi-aircraft missions the capability to test different engines without significant down-time.

P-1 SHOPPING LIST ITEM NO. 58-60 PAGE NO. **EMBR P-22**

UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY PLANNING

A. DATE
February 1984

B. APPROPRIATION/BUDGET ACTIVITY
AIRCRAFT PROCUREMENT COMMON SUPPORT EQUIPMENT

C. P-1 ITEM NOMENCLATURE Noise Suppressor, Large Turbo Fan Engine NSN: 4920-01-082-1095

FY83 FY84 FY85	CONTRACTORY/ LOCATION	CONTRACT METHOD & TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIVERY	QUANTITY	UNIT COST	SPECS AVAIL NOW	SPEC REV REQ'D	IF YES, WHEN AVAIL
	IND ACOUSTICS IND ACOUSTICS IND ACOUSTICS	C/FFP OPTION OPTION OPTION	AFMCSA-ALC AFMCSA-ALC AFMCSA-ALC	MAY 93 SEP 94 MAY 95	JAN 95 SEP 95 MAY 96	2 2 2	1,728,260 1,768,010 1,807,760	YES YES	NO NO	
	INDUSTRIAL ACOUSTICS MOINCKS CORNER SC									

D. REMARKS
FY80 UNIT COST BASED ON FY82 CONTRACT PRICE DEF INITIZED IN DEC 93. FY84 AND FY85 UNIT COSTS BASED ON FY80 ESCALATED BY RESPECTIVE OSD INFLATION FACTORS.

Exhibit P-22a

P-1 SHOPP LBT
ITEM NO. 58-61 PAGE NO.

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PROGRAM COST BREAKDOWN		Date: FEB 1994	
APPROPRIATION/BUDGET ACTIVITY	P-1 ITEM NOMENCLATURE		
AIRCRAFT PROCUREMENT/BA07, AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	INDUSTRIAL PREPAREDNESS		

(Total Cost in Millions of Dollars)

ELEMENT OF COST	IDENT CODE	FY 1993		FY 1994		FY 1995		TOTAL COST
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
A. EXPANSIONS	1000							
B. PACKING, CRATING, & HANDLING	2000							
C. CAPITAL TYPE REHABILITATION	3000		4.184		4.113		8.770	
D. REPLACEMENT & MODERNIZATION	4000		0		0		8.504	
E. PLANNING	6000		3.976		4.012		4.445	
F. ENVIRONMENTAL PROTECTION	7000		15.099		16.959		30.792	
G. INDUSTRIAL MODERNIZATION	8000		11.869		0		0	
H. ENERGY CONSERVATION	9000							
TOTALS			35.128		25.084		92.951	

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P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET		DATE:					
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/ AF BA07		War Consumables					
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES							
	FY(CY)93	FY(BY1)94	FY(BY2)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99
QUANTITY							
COST (In Millions)	27.8	17.9	26.6				
MISSION AND DESCRIPTION:							
Missile LAU-128/129	15.0	13.9	16.6				
Items under \$2M	0.1	0.8	0.3				
HH-53 Tanks	0.0	0.0	3.9				
F-15 Pylon	12.7	3.2	5.8				

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P-1 Shopping List

EXHIBIT P-40

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET						DATE:		
						18-Feb-94		
APPROPRIATION/BUDGET ACTIVITY				P-1 ITEM NOMENCLATURE				
AIRCRAFT PROCUREMENT/ AF BA07 AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES				Launcher, Missile LAU - 128/129				
	FY(CY)93	FY(BY1)94	FY(BY2)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99	
QUANTITY	618	567	667	0	0	0	0	
COST (In Millions)	15.0	13.9	16.6					
MISSION AND DESCRIPTION:								
<p>A. (U) Functional / Technical Description: The LAU-128/129 launchers are missile rail launchers intended to replace AIM-9 launchers on F-15 and F-16 aircraft. The LAU-128/129 launchers provide dual carriage and launch requirements for AIM-9 (Sidewinder) and AIM-120 (Advanced Medium Range Air To Air Missile (AMRAAM) missiles. The LAU-128 supports the F-15 and the LAU-129 supports the F-16. supports the F-15 and the LAU-129 supports the F-16.</p> <p>B. (U) Deficiencies/General Operational Requirements Satisfied By The Item Procured: Available upon request.</p>								
(P-40)	P-1 Shopping List						EXHIBIT P-40	

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PROGRAM COST BREAKDOWN
(EXHIBIT P-22)

DATE
FEBRUARY 1984

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE
LAUNCHER, MISSILE LAU-128/129

COST IN THOUSANDS OF DOLLARS

ELEMENT OF COST	IDENT CODE	FY 1993			FY 1994			FY 1995		
		QTY	TOTAL COST	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST
1. LAU-128 (F-16)	A		\$ 350	\$ 6,514	342	\$ 6,404	379	\$ 9,409		
2. LAU-128 (F-16)	A		268	6,519	225	5,529	288	7,150		
TOTAL			618	15,033	567	13,934	667	16,559		

P-1 SHOPP LIST
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P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET		DATE:				
		18-Feb-94				
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE				
AIRCRAFT PROCUREMENT/ AF BA07		WAR CONSUMABLES				
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		MISC ITEMS UNDER \$2M				
FY(CY)93	FY(BY1)94	FY(BY2)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99
54	1522	582	0	0	0	0
COST (In Millions)	0.1	0.8	0.3			
MISSION AND DESCRIPTION:						
1. (U) Functional / Technical Description: This category consists of fuel tank crates required for peacetime storage and handling						
2. Specific FY95 requirements are listed below.						
		<u>Qty</u>	<u>\$ in M</u>			
F-16 300 Gal fuel tank crate		158	0.079			
F-16 370 Gal fuel tank crate		424	0.212			
Total		582	0.291			
(P-40)	P-1 Shopping List					EXHIBIT P-40

P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET		DATE:					
BUDGET ITEM JUSTIFICATION SHEET		18-Feb-94					
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/ AF BA07		WAR CONSUMABLES					
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES		HH-53 Crashworthy 650 Gallon Tanks					
	FY(CY)93	FY(BY1)94	FY(BY2)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99
QUANTITY	0	0	47	0	0	0	0
COST (In Millions)	0.0	0	3.9				
DESCRIPTION:							
1. (U) Functional/technical Description: The 650 gallon external fuel tank is applicable to the HH-53 Helicopter and is attached to the helicopter with a pylon that is released from the helicopter during flight if necessary. There are two tanks per helicopter, both tanks are jettisoned at the same time in case of an emergency. 2. (U) Deficiencies/General Operational Requirements Satisfied By The Item Procured: Available on request.							
(P-40)	P-1 Shopping List						EXHIBIT P-40

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PROGRAM COST BREAKDOWN
(EXHIBIT P-22)

DATE
FEBRUARY 1994

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE
HH-53 CRASHWORTHY 650 GALLON TANKS

ELEMENT OF COST

COST IN THOUSANDS OF DOLLARS
FY 1993 | FY 1994 | FY 1995

IDENT
CODE

ELEMENT OF COST	IDENT CODE	FY 1993			FY 1994			FY 1995		
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST	
1. HH-53 CRASHWORTHY 650 GALLON TANKS	A		\$		\$		\$	47	3,925	
TOTAL			0		0		0	47	3,925	

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ITEM NO. | PAGE NO.

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UNCLASSIFIED

DATE
FEBRUARY 1984

PROCUREMENT HISTORY AND PLANNING
(EXHIBIT P-22A)

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE
HH-53 CRASHWORTHY 650 GALLON TANKS

LINE/ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIV.	QUAN- TITY	UNIT COST	SPECS AVAIL NOW	SPEC REV. REQ.	IF YES WHEN AVAIL
HH-53 CRASHWORTHY 650 GALLON TANKS										
FY 1982	LEAR SIEGLER SANTA ANA, CA	C/FPP	AFMC/OO-ALC	JUL 93	MAR 95	15	62,000.00			
FY 1985	UNKNOWN	C/FPP	AFMC/OO-ALC	APR 95	DEC 96	47	63,500.00	YES	NO	

REMARKS:

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ITEM NO. 60-8

PAGE NO.

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P-40 FOR NET P-1 COST

BUDGET ITEM JUSTIFICATION SHEET						DATE:	
APPROPRIATION/BUDGET ACTIVITY			P-1 ITEM NOMENCLATURE				
AIRCRAFT PROCUREMENT/ AF BA07			WAR CONSUMABLES				
AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES			Pylon, Centerline , F-15				
	FY(CY)93	FY(BY1)94	FY(BY2)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99
QUANTITY	87	22	38				
COST (In Millions)	12.7	3.2	5.8				
MISSION AND DESCRIPTION:							
<p>1. (U) FUNCTIONAL DESCRIPTION: The F-15 centerline pylon connects weapons stores or the 600 gallon fuel tank to the fuselage of the F-15 aircraft. The pylon provides the capability to jettison the stores or the external tank in order to enhance wartime survivability. There are three models of centerline pylons: one is compatible with non-multi-stage improvement program (MSIP) F-15S (Pre-MSIP SUU-60/A); another is designed for use on MSIP F-15A/B/C/D's (SUU-60B/A) and a third is configured for the F-15E (SUU-73/A). These pylons have different stock numbers because the munitions/tank adapter units, which are integral parts of the pylons are different for each model of pylon. The adapter units on the F-15E centerline pylon must be certified to carry and release unclear weapons.</p> <p>2. (U) DEFICIENCIES/GENERAL OPERATIONAL REQUIREMENTS SATISFIED BY THE ITEM BEING PROCURED: Available on request.</p>							

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P-1 Shopping List

EXHIBIT P-40

PROGRAM COST BREAKDOWN
(EXHIBIT P-22)

DATE
FEBRUARY 1994

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES

P-1 ITEM NOMENCLATURE
PYLON, CENTERLINE, F-15

ELEMENT OF COST	IDENT CODE	COST IN THOUSANDS OF DOLLARS							
		QTY	TOTAL COST	QTY	TOTAL COST	QTY	TOTAL COST		
		FY 1993		FY 1994		FY 1995			
1. PYLON, CENTERLINE, F-15	A		\$ 0	87	\$ 12,697	22	\$ 3,211	38	\$ 5,812
TOTAL			\$ 0	87	\$ 12,697	22	\$ 3,211	38	\$ 5,812

UNCLASSIFIED

PROCUREMENT HISTORY AND PLANNING (EXHIBIT P-22A)

DATE
FEBRUARY 1994

APPROPRIATION/BUDGET ACTIVITY
APAF/WAR CONSUMABLES **P-1 ITEM NOMENCLATURE**
PYLON, CENTERLINE, F-15

LINE/ITEM FISCAL YEAR	CONTRACTOR AND LOCATION	CONTRACT METHOD AND TYPE	CONTRACTED BY	AWARD DATE	DATE OF FIRST DELIV.	QUAN-TITY	UNIT COST	SPECS AVAIL NOW	SPEC REV. REQ.	IF YES WHEN AVAIL
PYLON, CENTERLINE, F-15										
FY 1993	MCDONNELL AIR TULSA OK	SS/FFP	AFMC/WR-ALC	SEP 93	AUG 95	87	145,945.00			
FY 1994	MCDONNELL AIR TULSA OK	OPTION	AFMC/WR-ALC	JUL 94	JUL 96	22	145,945.00	YES	NO	
FY 1995	MCDONNELL AIR TULSA OK	SS/FFP	AFMC/WR-ALC	JUL 95	FEB 97	36	152,950.36	YES	NO	

REMARKS:

P-1 SHOPP LIST PAGE NO.
 ITEM NO. 60-11

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FY96 BUDGET PRODUCTION SCHEDULE		P-1 ITEM NOMENCLATURE: PYLON, CENTERLINE												DATE: FEBRUARY 1994											
ITEM/MFG PROCUREMENT YEAR	S E R V	QTY	PROC ACCP IBAL	FISCAL YEAR 94			FISCAL YEAR 95			FISCAL YEAR 96			LAT ER												
				1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct	1-Oct													
CALENDAR YEAR 94																									
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC										
CALENDAR YEAR 95																									
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN									
CALENDAR YEAR 96																									
				JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	AUG								
PYLON, CA																									
McAIR TULSA OK																									
FY91	AF	56	0	56													0								
FY92	AF	58	0	58													0								
FY93	AF	87	0	87													57								
FY94	AF	22	0	22													22								
FY95	AF	38	0	38													38								
TOTAL		261	0	261	0	0	0	0	0	0	0	0	0	0	0	0	117								
MANUFACTURERS NAME AND LOCATION																									
McAIR TULSA, OK																									
PROCUREMENT LEAD TIME																									
				ADMIN LEAD TIME			MANUFACTURING TIME			TOTAL AFTER 1 OCT															
				PR 1 OCT	AFT 1 OCT																				
				9	9	24			33																
				INITIAL	REORDER																				
				9	19	28																			
REMARKS: QUANTITY IS EACH.																									
P-1 SHOPPING LIST																									
ITEM NO.																									
PAGE 1 OF 2 PAGES																									
EXHIBIT P-21																									

UNCLASSIFIED

UNCLASSIFIED

UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET				DATE	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGE		Other Charges					
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	0	0	0	0	0	0	0
COST (in thousands)	586362	638093	259467	295884	309512	315604	320693

These programs provide for items, which (1) are not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contains certain classified programs. It includes such programs as LANTIRN, range improvements, and NAVSTAR GPS that are used by multiple systems. It also includes programs such as AGM 130 IDL and FOTRS which apply to a single system.

UNCLASSIFIED

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DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

BP-1900 SUMMARY*

	FY 93	FY 94	FY 95
Classified Programs	285248	284797	70344
ECM Support	9137	14319	9755
Interim Contractor Support	13171	1547	1306
Range Improvement	6515	8115	26608
LANTIRN	3099	25871	13707
NAVSTAR GPS	82601	67175	70311
KC-135 Cargo Rollers	7489	2998	3842
GBU-15/AGM-130 Improved Data Link	19478	12295	13888
HAVE NAP	878	0	0
NATO AWACS	40027	88336	2934
F-117	114025	106914	37822
Flight Screening	0	106	108
Training (Offensive)	4682	4686	0
Pollution Prevention	0	8152	8842
FOTRS	12	12782	0
TOTAL COST	586362	638093	259467

* Errors due to rounding

UNCLASSIFIED

DATE: FEB 94 FY 95 PRESIDENT'S BUDGET P-1900
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Classified Programs

DESCRIPTION/JUSTIFICATION: Details of the following programs are available on a need-to-know basis.

PROJECTED FINANCIAL PLAN: BASIS FOR COST ESTIMATE	TOA	
	FY 93	FY 95
Special Evaluation Program	6048	2807
Compass Call	19978	4041
Evaluation & Analysis Program	15229	0
Classified Programs	0	56362
Advanced Program Evaluation	0	6678
Tactical Crypt Activities	35661	0
Missile & Space Technology	0	0
Senior Year	206971	0
Forest Green	1361	456
TOTAL COST	285248	70344

UNCLASSIFIED

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UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

PROJECT TITLE: ECM Support (U)

MODELS OF AIRCRAFT APPLICABLE: A-10, B-1, B-52, F-15, F-16, F-4G, F-111, EF-111, MC-130, AC-130, C-130, MH-53J, MH-60, OV-10

DESCRIPTION/JUSTIFICATION: Funds are required by the Electronic Warfare Avionics Integrated Support Facility (EWASIF) to directly support the Electronic Warfare Integrated Reprogramming (EWIR) process. The EWASIF manages MAJCOM requirements and procures unique and replacement equipment critical to USAF aircraft defensive systems capability, and combat readiness. EWIR enables global reach/global power projection, and includes requirements for, but is not limited to: EW systems software upgrades, hardware maintenance for existing EW system reprogramming support facilities, computer acquisition and upgrades, support equipment software maintenance, aircraft EW system reprogramming software tools, intelligence data manipulation software, threat emitter simulation lab test equipment supporting technology insertion programs, data transmission communications equipment, and EW system software emulation models.

DEVELOPMENT STATUS: (U) Production prototypes are acquired for evaluation prior to production.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
ECM Support	9137	14319	9755
TOTAL COST	9137	14319	9755

LEAD TIME: Variable

UNCLASSIFIED

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

P-1900

OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Interim Contractor Support

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Provides ECM logistics support suite to assist in transition to organic capability for the F-111, LANTIRN and the B-52 in FY 93, and NAVSTAR and Common ECM in FYs 94 and 95.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
B-52 Squadrons	805	0	0
F-111 Squadrons	3814	0	0
LANTIRN Procurement	8552	0	0
Common ECM Eq	0	969	943
NAVSTAR GPS (User Eq)	0	578	363
TOTAL COST	13171	1547	1306

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

PROJECT TITLE: RANGE IMPROVEMENT

MODELS OF AIRCRAFT APPLICABLE: F-4, A-7, F-15, F-16, F-111, F-106

DESCRIPTION/JUSTIFICATION: Air Combat Maneuvering Instrumentation (ACMI) systems provide an improved capability to train, test and evaluate aircrews and weapon systems for combat readiness. ACMIs are used to support the aircrew training and discrete test requirements of USAF, OSD/DDTE/DOE and Congress. The pods are airborne subsystems of the ACMI and provide altitude, position and vector tracking data. The pods are compatible with the above aircraft. The Navy is executive agency for this joint Air Force and Navy acquisition program. TAC ROC 305-76 (Revised) forms the basis for the Air Force requirement.

DEVELOPMENT STATUS: P3, P4 and P4AX ACMI pods, HUS pods, and associated test sets are complete. The P4 pod acquired in FY85 contains a radar altimeter, UHF transmitter and aircrew prompting system.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
ACMI Pods	6515	8115	26608
TOTAL COST	6515	8115	26608

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

PRODUCTION TITLE: Low Altitude Navigation and Targeting Infrared System for Night (LANTIRN)

MODELS OF AIRCRAFT APPLICABLE: F-16C, F-16D, and F-15E

DESCRIPTION/JUSTIFICATION: The LANTIRN system provides USAF forces the capability to conduct close air support and interdiction missions at night and under-the-weather in F-15E and F-16C/D fighter aircraft. LANTIRN includes development and production of a wide-angle raster head-up display, a navigation pod, targeting pod and associated support equipment. The navigation pod contains a fixed forward looking infrared (FLIR) sensor; the targeting pod contains a gimbaled FLIR, a laser designator, an automatic tracker, a missile boresight correlator and growth provisions for an automatic target recognizer. LANTIRN provides the capability not only to attack at night, but also to attack with precision laser guided weapons day or night, and in conditions of limited visibility. FY 94 and 95 Other Production Charges provide for software updates to correct for deficiencies resulting from initial operation of the targeting pod, and to maintain system compatibility with software updates to either or both aircraft suites. Additionally, it provides for correction of deficiencies (reduced slew delays, tracker improvements, reduced FLIR picture jitter, space stabilized search mode, etc.) identified primarily from F-15E operations in Desert Storm.

DEVELOPMENT STATUS: N/A

	FY 93	FY 94	FY 95
PROGRAM COST	3099	25871	13707
TOTAL COST	3099	25871	13707

BASIS FOR COST ESTIMATES:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

P-1900

OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Navstar Global Positioning System (GPS) (User Equipment)

MODELS OF AIRCRAFT APPLICABLE: F-117

DESCRIPTION/JUSTIFICATION: Navstar GPS is a space-based radio navigation system that will provide users with precise position, velocity and time using passive receivers on a day/night all-weather worldwide basis. This appropriation funds the procurement, integration, and installation of NAVSTAR GPS user equipment into the above aircraft.

DEVELOPMENT STATUS: N/A

	FY 93	FY 94	FY 95
Nonrecurring/Integration		67175	
PROGRAM COST	82601	67175	70311
TOTAL COST	82601	67175	70311

BASIS FOR COST ESTIMATE:

Nonrecurring/Integration
PROGRAM COST

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

PROJECT TITLE: KC-135 Cargo Rollers

MODELS OF AIRCRAFT APPLICABLE: KC-135

DESCRIPTION/JUSTIFICATION: The KC-135 Cargo Roller program will enhance airlift capability and add flexibility to airlift operations by providing KC-135 aircraft with an inherent capability to carry 463L palletized cargo. This will allow each KC-135 to carry up to six 463L pallets, of approximately 5000 pounds each, on standard cargo rollers equipped with side rails and locks. The addition of cargo rollers will also improve KC-135 throughput, making the aircraft ideal for high priority channel missions.

DEVELOPMENT STATUS: N/A

	FY 93	FY 94	FY 95
PROGRAM COST	7489	2998	3842
TOTAL COST	7489	2998	3842

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94 FY 95 PRESIDENT'S BUDGET P-1900
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: GBU-15/AGM-130 Improved Airborne Data Link Pod

MODELS OF AIRCRAFT APPLICABLE: F-15E and F-111F.

DESCRIPTION/JUSTIFICATION: The GBU-15 and AGM-130 are data link precision guided weapons. The airborne data link pod provides the applicable aircraft with the standoff capability to guide these weapons to a designated target. The Improved Data Link system is a more reliable, jam resistant data link, consisting of an aircraft pod data terminal, Weapon Data Terminal and Peculiar Support Equipment.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
PROGRAM COST	19478	12295	13888
TOTAL COST	19478	12295	13888

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94
FY 95 PRESIDENT'S BUDGET P-1900
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: HAVE NAP

MODELS OF AIRCRAFT APPLICABLE: B-52

DESCRIPTION/JUSTIFICATION: The HAVE NAP project provides the B-52 the capability to employ strategic conventional precision guided weapons against high value, point targets from standoff ranges to remain clear of enemy air defenses. Each aircraft can carry three missiles and a data link pod (for missile terminal guidance) or four missiles (using a secondary aircraft for terminal guidance). FY 93 funds procure one additional data link pod required by ACC.

DEVELOPMENT STATUS: N/A

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
Data Link Pods	878	0	0
TOTAL COST	878	0	0

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

P-1900

OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: NATO AWACS

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: This project provides the US contribution to the NATO (Airborne Early Warning and Control) Modernization Program (NAMP), a seven year program to update NATO E-3s with capabilities similar to US, UK, and French E-3s under the 1990 addendum to the Multinational Memorandum of Understanding. NAMP upgrades include the anti-jam radios (Have Quick A-Nets), JTIDS TADIL J Data Link, improved COMSEC equipment (ANDVT), and color consoles. Joint US/NATO Cooperative developments include Electronic Support Measures (ESM) and Radar System Improvement Program (RSIP). NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area of operations.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
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BASIS FOR COST ESTIMATE:

AWACS	40027	88336	2934
TOTAL COST	40027	88336	2934

UNCLASSIFIED

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

P-1900

OTHER PRODUCTION CHARGES FACT SHEET

(Dollars in Thousands)

PROJECT TITLE: F-117

MODELS OF AIRCRAFT APPLICABLE: F-117

DESCRIPTION/JUSTIFICATION: The F-117A Stealth Fighter is the world's first operational aircraft to exploit low observable stealth technology. It can use a variety of weapons to attack high priority targets anywhere in the world. It is designed to penetrate dense threat environments and hit targets with pinpoint accuracy. Its sophisticated navigation and attack systems increase mission effectiveness and reduce pilot workload. The Other Production Charges (BA-7) funds provide for changes to the aircraft which were initiated prior to its being declassified. These include Infrared Acquisition and Designation System (IRADS) turret upgrade, the offensive capabilities improvement program and replacing the current inertial navigation system with a ring laser gyro plus a GPS receiver. A total of 59 aircraft have been delivered. The first was delivered in 1982; the last in 1990. Initial operational capability was achieved in 1983.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
F-117	114025	106914	37822
TOTAL COST	114025	106914	37822

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

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OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Flight Screening

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: This project provides resources to conduct USAF Academy's T-41C Pilot Indoctrination and Glider/Parachuting Airmanship Programs.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
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BASIS FOR COST ESTIMATE:

PROGRAM COST	0	106	108
TOTAL COST	0	106	108

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

P-1900

OTHER PRODUCTION CHARGES FACT SHEET

(Dollars in Thousands)

PROJECT TITLE: Training (Offensive)

MODELS OF AIRCRAFT APPLICABLE: B-1, B-52

DESCRIPTION/JUSTIFICATION: Funds support the Bomber Aircraft Instrumentation System (BAIS) which is the interface to allow bomber aircraft to use existing instrumented bombing ranges such as Red Flag Mission Debriefing System (MDS), USAF Air Combat Maneuvering Instrumentation System (ACMI) ranges, and Navy Tactical Air Combat Training System (TACTS) ranges. The BAIS interface will provide the means to capture real-time bomber position, electronic warfare, and weapon systems information for no-drop weapons and mine scoring and will provide for ground and air-breathing threat engagements for debriefing aircrew training.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
Training Equipment	4682	4686	0
TOTAL COST	4682	4686	0

BASIS FOR COST ESTIMATE:

Training Equipment	4682	4686	0
TOTAL COST	4682	4686	0

UNCLASSIFIED

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET

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OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Pollution Prevention

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: Installations and Government Owned Contractor Operated (GOCO) facilities throughout the Air Force require and are authorized, equipment, facility projects, and services that must be acquired to accomplish the Air Force's pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol and Executive Order 12856. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to air, land, ground water and surface water. It includes equipment, projects, and services such as freon recovery projects, vapor degreaser replacements, recycling equipment, and hazardous waste reduction projects.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
Environmental Compliance	0	8152	8842
TOTAL COST	0	8152	8842

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: FEB 94

FY 95 PRESIDENT'S BUDGET
OTHER PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

P-1900

PROJECT TITLE: Follow-on Tactical Reconnaissance System (FOTRS)

MODELS OF AIRCRAFT APPLICABLE: F-16C

DESCRIPTION/JUSTIFICATION: FOTRS production funding supports the procurement of 80 modification kits, 62 reconnaissance pods, and 50 sensor suites to provide a reconnaissance-capable F-16, titled the F-16R. Desert Storm/Shield highlighted shortfalls in interoperability and timely imagery intelligence information to out tactical commanders. The sensor suite carried in the reconnaissance pod on the F-16 is common to USAF, USMC, and USN manned and unmanned platforms, thereby promoting interoperability. The F-16R with its digital imagery system will provide real-time/near-real-time imagery information not available with current film-based imagery systems. In addition, the transition from the RD-4C with its film-based system to the F-16R with its digital imaging system will result in significant O&S savings.

DEVELOPMENT STATUS: This program was terminated in the FY94 budget.

PROJECTED FINANCIAL PLAN:

	FY 93	FY 94	FY 95
BASIS FOR COST ESTIMATE:			
12	12782*	0	
TOTAL COST	12	12782*	0

* See Development Status

UNCLASSIFIED

61-17

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UNCLASSIFIED

UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET					DATE
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGE		Defense Airborne Reconnaissance Program (DARP)					Feb-94
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	0	0	0	0	0	0	0
COST (in thousands)	0	0	196886	179757	109514	141613	134677

RC-135 COBRA BALL:

Funds are used to provide an incremental upgrade to the open architecture configuration. Funds will be used to procure modification and installation kits to COBRA BALL I (ACFT 663) to COBRA BALL III (ACFT 662) configuration during the maintenance cycle. It will also pay for secure communications network software and documentation. This is an example of hardware/software fixes

RC-135 RIVET JOINT:

Funds are used to provide a quick reaction capability to the RIVET JOINT (RJ) fleet. While the RJ fleet incrementally upgraded through a baseline configuration, there are instances when there has to be quick hardware/software fixes (i.e., Proforma), P3I upgrades, and modifications in hardware/software to respond to new taskings.

Other DARP Programs:

Information pertaining to other DARP programs is classified and is available on a need-to-know basis.

UNCLASSIFIED

UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET				DATE	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGE		Common ECM Equipment					
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	0	0	0	0	0	0	0
COST (in thousands)	97680	24511	41292	20529	19748	58122	79755

These programs provide for electronic countermeasures and related support equipment which is (1) not directly related to other procurement line items in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items and (4) contains certain classified programs.

ALQ-184	87831	9540	9743	9711	9517	9468	10014
ALQ-99	9849	14971	22028	514	917	37967	58604
ALQ-172	0	0	9521	10304	9314	10687	11137

UNCLASSIFIED

UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET				DATE	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGE		ALQ-184					
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	101	0	0	0	0	0	0
COST (in thousands)	87831	9540	9743	9711	9517	9468	10014

MISSION AND DESCRIPTION: This project supports acquisition of kits to modify the ALQ-119 into the ALQ-184 and the ALQ-131 Block II pod configurations to counter Soviet terminal and airborne interceptor radar systems.

FY94 PROGRAM JUSTIFICATION: Provides funding for software upgrades, ECPs, program support and product improvement.

FY95 PROGRAM JUSTIFICATION: Continues the FY94 program.

COOPERATIVE AGREEMENTS: NONE

UNCLASSIFIED

AIRCRAFT COST ANALYSIS (Dollars in thousand\$)	A. Aircraft Model		B. Popular Name		C. Manufacturer		D. Date	
	FY93	QTY	FY94	QTY	FY95	QTY	Feb-94	QTY
UNCLASSIFIED		101		0		0		
	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1. AIRFRAME/CFE	775	78231						
2. ENGINE/ACCESSORIES (PER A/C)								
3. AVIONICS: CFE GFE								
4. ARMAMENT								
5. OTHER GFE								
6. ECO (ALL FLYAWAY COMPONENTS)								
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLYAWAY COSTS	775	78231						
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE								
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH. DATA								
15. ECO (ALLSUPPORT ITEMS)		9600		9540		9743		
16. OTHER (CFTS)								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COST								
19. GROSS P-1 COST				9540		9743		
20. LESS: PRIOR YR ADV. PROC.								
21. NET P-1 COST		87831		9540		9743		

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EXHIBIT P-5

| Feb-94

PROCUREMENT HISTORY & PLANNING

C. P-1 ITEM NOMENCLATURE

ALQ-184

B. APPROPRIATION/BUDGET ACTIVITY

AIRCRAFT PROCUREMENT/AF, BA07, OTHER PROD CHGS

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Kit											
FY93	Raytheon	FFP	USAF	Jan-93	Jan-94	Aug-95	101	950	YES	NO	-

REMARKS: * Contract is an FY88 document with dates, prices and deliveries established as annual options.

UNCLASSIFIED

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: ALQ-184

Date: Feb-94

I. Procurement Program (Quantity):

FY (BY) 95	0
FY (CY) 94	0
FY (PY) 93	101

II. Hardware (Unit Cost):

ALQ-184	775	N/A	N/A	N/A	N/A
	FY (PY) 93	DIFF	FY (CY) 94	DIFF	FY (BY) 95

III. Peculiar Support (Total Cost):

ECM Pods Not applicable.

EXHIBIT P-44

UNCLASSIFIED

U N C L A S S I F I E D B U D G E T I T E M J U S T I F I C A T I O N S H E E T						DATE	
APPROPRIATION/BUDGET ACTIVITY							
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGES							
P-1 ITEM NOMENCLATURE							
ALQ-99							
	FY(PY)93	FY(CY)94	FY(BY)95	FY(BY+1)96	FY(BY+2)97	FY(BY+3)98	FY(BY+4)99
QUANTITY	N/A	62	30	0	0	10	20
COST (in Thousands)	9849	14971	22028	514	917	37967	58604

MISSION AND JUSTIFICATION: This project supports upgrades to the ALQ-99 TJS (Tactical Jamming System) which improves the system availability and jamming effectiveness. The EF-111 mission is to deny enemy use of air defense systems. The EF-111 was designed against a 1970's threat. The upgrades enable the EF-111 to suppress today's modern air defense systems (double digit SAMs). The upgrades to be acquired are Band-9/10 production transmitters, Band-4 production transmitters, and production Digital Based Exciters.

FY94 PROGRAM JUSTIFICATION: Procures 56 Band-4 transmitters and refurbishes 6 of the EMD units following completion of EMD in the fourth quarter of FY 94. These transmitters provide a significant increase in reliability by replacing tube technology with solid state devices. The procurement results in the replacement of all presently fielded Band-4 transmitters.

FY95 PROGRAM JUSTIFICATION: Procures 24 Band-9/10 transmitters and refurbishes 6 EMD units following successful completion of first article testing in the fourth quarter of FY 95. These transmitters increase the ALQ-99 frequency range, enabling it to suppress modern EW/GCI acquisition radars operating at high frequencies.

COOPERATIVE AGREEMENTS: NONE

AIRCRAFT COST ANALYSIS
(Dollars in Millions)

UNCLASSIFIED

1. AIRFRAME/CFE
2. ENGINE/ACCESSORIES (PER A/C)
(ENG MODEL:)
3. AVIONICS: CFE GFE
4. ARMAMENT
5. OTHER GFE (for EF-111A/ALR-62I)
6. ECO (ALL FLYAWAY COMPONENTS)
7. NON-RECURRING COSTS
8. OTHER COSTS
9. FLYAWAY COSTS
10. AIRFRAME PGSE
11. ENGINE PGSE
12. AVIONICS PGSE
13. PECULIAR TRAINING EQUIPMENT
14. PUBLICATIONS/TECH. DATA
15. INTERIM CONTRACTOR SUPPORT
16. OTHER
17. SUPPORT COST
18. GROSS P-1 COST
19. LESS: PRIOR YR ADV. PROC.
20. NET P-1 COST

NOTE: UNIT FLYAWAY COST DOES NOT INCLUDE NON-RECURRING COSTS.

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A. Aircraft Model		B. Popular Name		C. Manufacturer		D. Date	
FY93	QTY N/A	FY94	QTY 62	FY95	QTY 30	Feb-94	QTY 0
Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
0	7162	231	14332	711	21328	N/A	
0	7162	231	14332	711	21328	N/A	0
0	2687	639	700	917	0		
0	9849	231	14971	711	22028	N/A	0

B. APPROPRIATION/BUDGET ACTIVITY
 AIRCRAFT PROCUREMENT/AF, BA07, OTHER PROD CHAR
 C. P-1 ITEM NOMENCLATURE
 ALQ-99

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACTE BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Kit											
FY93	AEL	FPI	USAF	Feb/Jun-94	Feb/Jun-94	Aug-96	N/A	0	YES	NO	N/A
FY94	AEL/Motorola	FFP	USAF	Mar-94	Aug-94	Feb-96	62	231	YES	NO	N/A
FY95	AEL	FPI	USAF	Mar-95	Aug-95	Feb-96	30	711	YES	NO	N/A

REMARKS:

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: ALQ-99

Date: Feb-94

I. Procurement Program (Quantity):

FY(BY) 95 30
 FY(CY) 94 62
 FY(PY) 93 N/A

II. Hardware (Unit Cost):

	FY(PY) 93	DIFF	FY(CY) 94	DIFF	FY(BY) 95
ALQ-99					
Band-9/10	N/A	N/A	N/A	N/A	711
Band-4	N/A	N/A	231	N/A	N/A
DBE	N/A	N/A	0	N/A	N/A

FY93 has no units procured, DT&E/IOT&E completion
 FY 94 procures all required Band-4 transmitters
 FY 95 procures Band-9/10 transmitters after successful completion of DT&E/IOT&E

III. Peculiar Support (Total Cost):

ALQ-99	0	639	700
Interim Contractor Support	2687	0	0

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EXHIBIT P-44

UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET				DATE	
						Feb-94	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BAO7, OTHER PRODUCTION CHARGE		ALQ-172					
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	0	0	1	5	3	14	37
COST (in thousands)	0	0	9521	10304	9314	10687	11137
<p>MISSION AND DESCRIPTION: This project supports acquisition of kits to modify the AC-130H with the ALQ-172 radar jamming system to counter adversary anti-aircraft artillery, surface-to-air missile and airborne interceptor radar systems. Additionally, this project supports acquisition of kits to incorporate engineering change proposal (ECP) - 93 into ALQ-172 systems installed on MC-130E/H and AC-130H/U aircraft. Further, incorporates a low band jammer system into those ALQ-172 systems installed on AC-130H aircraft.</p> <p>FY95 PROGRAM JUSTIFICATION: Provides funds for software upgrades, ECPs, and aircraft installation.</p>							
<p>COOPERATIVE AGREEMENTS: NONE</p>							

UNCLASSIFIED

AIRCRAFT COST ANALYSIS (Dollars in thousandss)	A. Aircraft Model		B. Popular Name		C. Manufacturer		D. Date	
	QTY	FY93	QTY	FY94	QTY	FY95	QTY	FY96
UNCLASSIFIED			ALQ-172		ITT			Feb-94
	1500	0	0	0	0	1500	1	7500
1. AIRFRAME/CFE								
2. ENGINE/ACCESSORIES (PER A/C) (ENG MODEL:)								
3. AVIONICS: CFE GFE								
4. ARMAMENT								
5. OTHER GFE								
6. ECO (ALL FLYAWAY COMPONENTS)								
7. NON-RECURRING COSTS								
8. OTHER COSTS								
9. FLYAWAY COSTS	1500	0	0	0	0	3218	3218	9804
10. AIRFRAME PGSE								
11. ENGINE PGSE								
12. AVIONICS PGSE								
13. PECULIAR TRAINING EQUIPMENT								
14. PUBLICATIONS/TECH. DATA								
15. ECO (ALLSUPPORT ITEMS)								
16. OTHER (CFTS)								
17. INTERIM CONTRACTOR SUPPORT								
18. SUPPORT COST								
19. GROSS P-1 COST								
20. LESS: PRIOR YR ADV. PROC.								
21. NET P-1 COST								

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EXHIBIT P-5

PROCUREMENT HISTORY & PLANNING

Feb-94

B. APPROPRIATION/BUDGET ACTIVITY

C. P-1 ITEM NOMENCLATURE

AIRCRAFT PROCUREMENT/AF, BA07, OTHER PROD CHGS

ALQ-172

LINE ITEM/ FISCAL YEAR	CONTRACTOR	CONTRACT METHOD & TYPE	CONTRACT BY	P/R RELEASE DATE	AWARD DATE	DATE OF FIRST DELIVERY	QTY	UNIT COST	SPECS AVAIL NOW	SPEC REVIS REQ'D	IF YES, WHEN AVAIL
Kit FY95	ITT	FPI	USAF	Jul-93	Oct-93	Jan-95	0	1500	NO	NO	-

REMARKS: The ALQ-172 was an on-going, available system that could be readily adapted to the AC-130H.
 FY95 procures one unit for trial installation. FY96-99 are the core installation years.

WEAPON SYSTEM COST DATA SHEET
(TOA, Dollars in Thousands)

Weapon System: ALQ-172 Date: Feb-94

I. Procurement Program (Quantity):

FY (BY2)	5
FY (BY) 95	1
FY (CY) 94	0
FY (PY) 93	0

II. Hardware (Unit Cost):

	FY (PY) 93	DIFF	FY (CY) 94	DIFF	FY (BY) 95
ALQ-172	N/A	N/A	N/A	N/A	1500

III. Peculiar Support (Total Cost):

ALQ-172	0	0	4303
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UNCLASSIFIED		BUDGET ITEM JUSTIFICATION SHEET				DATE	
APPROPRIATION/BUDGET ACTIVITY		P-1 ITEM NOMENCLATURE					
AIRCRAFT PROCUREMENT/AF, BA07, OTHER PRODUCTION CHARGE		Cancelled Account Adjustments					
	FY (PY) 93	FY (CY) 94	FY (BY) 95	FY (BY+1) 96	FY (BY+2) 97	FY (BY+3) 98	FY (BY+4) 99
QUANTITY	0	0	0	0	0	0	0
COST (in thousands)	26622	0	0	0	0	0	0

This account pays for upward obligation adjustments for cancelled accounts.

