

UNITED STATES AIR FORCE
Committee Staff Procurement Backup Book

FY 2001 Amended Budget Request



DISTRIBUTION STATEMENT A
Approved for Public Release
Distribution Unlimited

February 2000

20000313 097

AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I

OPR: SAF/FMB

DTIC QUALITY INSPECTED 3

UNCLASSIFIED

Volume 1

TABLE OF CONTENTS

**FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)**

<u>SECTION 1 ~ APPROPRIATION LANGUAGE</u>	3
<u>SECTION 2 ~ GLOSSARY/ORGANIZATIONS/TERMS</u>	7
<u>SECTION 3 ~ USAF FY01 Procurement Program, 3010F Aircraft, Exhibit P-1</u>	15

SECTION 4 ~ P-1 LINE ITEM DETAIL

BUDGET ACTIVITY 01: COMBAT AIRCRAFT

TACTICAL FORCES

P-1 Line Item No. 1 - F-22 Raptor.	1-1
P-1 Line Item No. 2 - F-22 Raptor Advance Procurement	1-11

UNCLASSIFIED

UNCLASSIFIED

Volume 1
TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 3 – F-15E	1 – 15
P-1 Line Item No. 4 – F-15E Advance Procurement	1 – 21
P-1 Line Item No. 5 – F-16	1 – 23
P-1 Line Item No. 6 – F-16 Advance Procurement	1 – 31

BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT

TACTICAL AIRCRAFT

P-1 Line Item No. 7 – C-17	2 – 1
P-1 Line Item No. 8 – C-17 Advance Procurement	2 – 15
P-1 Line Item No. 9 – C-17 ICS	2 – 19

ii
UNCLASSIFIED

UNCLASSIFIED

Volume 1
TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

OTHER AIRCRAFT

P-1 Line Item No. 10 – WC-130J 2 – 21

P-1 Line Item No. 11 – EC-130J 2 – 27

P-1 Line Item No. 12 – C-130H 2 – 33

P-1 Line Item No. 13 – C-130J 2 – 35

BUDGET ACTIVITY 03: TRAINER AIRCRAFT

OPERATIONAL TRAINERS

P-1 Line Item No. 14 – JPATS 3 – 1

BUDGET ACTIVITY 04: OTHER AIRCRAFT

HELICOPTERS

P-1 Line Item No. 15 – CV-22 OSPREY 4 – 1

UNCLASSIFIED

Volume 1
TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 16 – CV-22 OSPREY Advance Procurement	4 – 11
<u>MISSION SUPPORT AIRCRAFT</u>	
P-1 Line Item No. 17 – Small VCX	4 – 15
P-1 Line Item No. 18 – C-32A	4 – 21
P-1 Line Item No. 19 – C-32B FEST/DEST Aircraft	4 – 25
<u>OTHER AIRCRAFT</u>	
P-1 Line Item No. 22 – Target Drones	4 – 29
P-1 Line Item No. 23 – E-8C	4 – 39
P-1 Line Item No. 24 – E-8C Advance Procurement	4 – 45
P-1 Line Item No. 25 – E-8C ICS	4 – 47
P-1 Line Item No. 26 – HAEUAV Advance Procurement	4 – 49

UNCLASSIFIED

Volume 1

TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 27 – PREDATOR UAV	4 – 55
<u>BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT</u> (SUBMITTED AS VOLUME II)	
<u>BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS</u>	
<u>AIRCRAFT SPARES AND REPAIR PARTS (BP-1500/1600)</u>	
P-1 Line Item No. 65 – Initial Spares/Replenishment Spares/Repair Parts	6 – 1
<u>BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES</u>	
<u>COMMON SUPPORT EQUIPMENT (BP-1200)</u>	
P-1 Line Item No. 66 – Aircraft Support Equipment and Facilities	7 – 1
<u>POST PRODUCTION SUPPORT (BP-1300)</u>	
P-1 Line Item No. 67 – A-10	7 – 29
P-1 Line Item No. 68 – B-2A	7 – 35

UNCLASSIFIED

Volume 1

TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 69 - B-2A ICS	7 - 41
P-1 Line Item No. 70 - C-5	7 - 43
P-1 Line Item No. 71 - C-130	7 - 47
P-1 Line Item No. 72 - E-4	7 - 49
P-1 Line Item No. 73 - F-15	7 - 55
P-1 Line Item No. 74 - F-16	7 - 57
 <u>INDUSTRIAL PREPAREDNESS (BP-1400)</u>	
P-1 Line Item No. 75 - Industrial Preparedness	7 - 63
 <u>WAR CONSUMABLES (BP-1700)</u>	
P-1 Line Item No. 76 - War Consumables	7 - 67

vi
UNCLASSIFIED

UNCLASSIFIED

Volume 1
TABLE OF CONTENTS
FY2001 Amended Budget Request
AIRCRAFT PROCUREMENT, AIR FORCE (3010)

OTHER PRODUCTION CHARGES (BP-1900)

P-1 Line Item No. 77 - Misc Production Charges 7 - 77

COMMON ECM EQUIPMENT

P-1 Line Item No. 78 - Common ECM Equipment 7 - 95

DARP

P-1 Line Item No. 80 - DARP 7 - 97

vii
UNCLASSIFIED

UNCLASSIFIED

FY 2001 AMENDED BUDGET REQUEST

FEBRUARY 2000

SECTION 1:

APPROPRIATION LANGUAGE

1

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

2
UNCLASSIFIED

UNCLASSIFIED

**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 foregoing 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; to remain available for obligation until September 30.

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

FY 2001 AMENDED BUDGET REQUEST

FEBRUARY 2000

SECTION 2:

GLOSSARY/ORGANIZATIONS/TERMS

5

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

6
UNCLASSIFIED

UNCLASSIFIED

GLOSSARY OF ACRONYMS

ACTD - Advanced Concept Technology Demonstration
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
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
CONOPS - Concept of Operation
CONUS - Continental United States
CPMS - Comprehensive Power Management System
CPT - Cockpit Procedures Trainer
CRA - Continuing Resolution Authority
CTS - Countermeasures Test Set
CY - Current Year
DDTE - Design, Development, Test and Evaluation
ECCM - Electronic Counter Counter Measures
ECM - Electronic Counter Measures
ECO - Engineering Change Orders
EOQ - Economic Order Quantity
ECP - Engineering Change Proposal
EGPWS - Enhance Ground Proximity Warning System
EPA - Economic Price Adjustment

UNCLASSIFIED

UNCLASSIFIED

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 Firm
FPIS - Fixed Price Incentive Fee, Successive Targets
GANS - Global Access Navigation & Safety
GATM - Global Air Traffic Management
GFE - Government Furnished Equipment
GPS - Global Positioning System
GSE - Ground Support Equipment
IOC - Initial Operating Capability
IPE - Increased Performance Engine
JPALS - Joint Precision Approach and Landing System
LANTIRN - Low Altitude Navigation and Targeting Infra Red System for Night
METS - Mobile Electronic Test Stations
MYP - Multiyear Procurement
MSIP - Multi-Stage Improvement Program
NAVWAR - Navigation Warfare
NMC Rate - Not Mission Capable Rate
OFP - Operational Flight Program
OT&E - Operational Test and 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

UNCLASSIFIED

PY - Prior Year
R&M - Reliability and Maintainability
RAA - Required Asset Availability
RDT&E - Research, Development, Test and Evaluation
RVSM - Reduced Vertical Separation Minimum
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
TCAS - Traffic Collision Alert and Avoidance System
TEWS - Tactical Electronic Warfare System
TISS - TEWS Intermediate Support System
TOA - Total Obligation Authority
WMP - War Mobilization Plan
WRM - War Reserve Material
WST - Weapon System Trainer
UAV - Unmanned Aerial Vehicle
UHF - Ultra High Frequency
USA - United States of America
VHSIC - Very High Speed Integrated Circuit

UNCLASSIFIED

ORGANIZATIONS

ACC - Air Combat Command
AFMC - Air Force Material Command
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 Forces Europe

UNCLASSIFIED

UNCLASSIFIED

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
- Inter theater** - 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

UNCLASSIFIED

- S-Band** - Radio frequency spectrums from 1550 to 3900 MHZ
- Solicitation** - The process of requesting proposals from private industry for goods and 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
- Target** - See Drone

UNCLASSIFIED

FY 2001 AMENDED BUDGET REQUEST

FEBRUARY 2000

SECTION 3:

3010F AIRCRAFT, EXHIBIT P-1

13

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

14
UNCLASSIFIED

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
 FY 2001 PROCUREMENT PROGRAM

SUMMARY
 (\$ IN MILLIONS) FEB 2000

<u>APPROPRIATION</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
AIRCRAFT PROCUREMENT, AIR FORCE	8,235.2	8,606.5	9,539.6
PROCUREMENT OF AMMUNITION, AIR FORCE	411.4	583.8	638.8
MISSILE PROCUREMENT, AIR FORCE	2,091.4	2,200.1	3,061.7
OTHER PROCUREMENT, AIR FORCE	7,470.6	7,221.4	7,699.1
TOTAL DEPARTMENT OF THE AIR FORCE	18,208.7	18,611.7	20,939.3

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
 FY 2001 PROCUREMENT PROGRAM

SUMMARY
 (\$ IN MILLIONS)

FEB 2000

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

<u>ACTIVITY</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>
01. COMBAT AIRCRAFT	806.2	834.2	2,546.1
02. AIRLIFT AIRCRAFT	3,067.5	3,488.3	3,099.0
03. TRAINER AIRCRAFT	108.2	111.4	113.8
04. OTHER AIRCRAFT	982.3	555.1	703.5
05. MODIFICATION OF INSERVICE AIRCRAFT	1,774.2	2,182.3	1,875.4
06. AIRCRAFT SPARES AND REPAIR PARTS	512.9	441.2	356.9
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	983.9	993.9	844.9
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	8,235.2	8,606.5	9,539.6

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
<u>BUDGET ACTIVITY 01: COMBAT AIRCRAFT</u>									
<u>TACTICAL FORCES</u>									
1	F-22 RAPTOR	A	2	(644.3)			10	(2,428.6)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-71.5)				(-278.8)	U
				572.8		3.4		2,149.9	
2	F-22 RAPTOR			197.2		277.1		396.2	U
	ADVANCE PROCUREMENT (CY)			(197.2)		(277.1)		(396.2)	
	(FY 1999 FOR FY 2000) (MEMO)								
	(FY 2000 FOR FY 2001) (MEMO)								
	(FY 2001 FOR FY 2002) (MEMO)								
3	F-15A	A		(11.0)	5	(267.3)		(24.3)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-11.0)				(-24.3)	U
						267.3			
4	F-15A					24.3			U
	ADVANCE PROCUREMENT (CY)					(24.3)			
	(FY 2000 FOR FY 2001) (MEMO)								
5	F-16 C/D (MYP)	A	1	(26.6)	10	(238.9)		(23.3)	U
	LESS: ADVANCE PROCUREMENT (PY)							(-23.3)	U
				26.6		238.9			
6	F-16 C/D (MYP)			9.6		23.3			U
	ADVANCE PROCUREMENT (CY)			(9.6)		(23.3)			
	(FY 1999 FOR FY 2000) (MEMO)								
	(FY 2000 FOR FY 2001) (MEMO)								
TOTAL COMBAT AIRCRAFT				806.2		834.2		2,546.1	

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY	FY 1999 COST	FY 2000 QUANTITY	FY 2000 COST	FY 2001 QUANTITY	FY 2001 COST	S	E	C
---------	-------------------	------------	------------------	--------------	------------------	--------------	------------------	--------------	---	---	---

BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT

TACTICAL AIRLIFT

7	C-17 (MYP)	B	13	(2,897.6)	15	(3,030.5)	12	(2,555.2)	U		
	LESS: ADVANCE PROCUREMENT (FY)			(-327.2)		(-359.5)		(-343.3)	U		
				2,570.4		2,671.0		2,211.9			

8 C-17 (MYP)

ADVANCE PROCUREMENT (CY)
(FY 1999 FOR FY 2000) (MEMO) 302.6 287.3 266.8 U
(FY 2000 FOR FY 2001) (MEMO) (302.6) (287.3) (266.8)
(FY 2001 FOR FY 2002) (MEMO)

9 C-17 ICS

B 396.6 412.2 U

OTHER AIRLIFT

10	WC-130	A	1	74.5					U		
11	EC-130J	A	1	83.9	1	87.1			U		
12	C-130H	A		7.0					U		
13	C-130J	A		29.1		46.4	2	208.1	U		
	TOTAL AIRLIFT AIRCRAFT			3,067.5		3,488.3		3,099.0			

BUDGET ACTIVITY 03: TRAINER AIRCRAFT

OPERATIONAL TRAINERS

14	JPATS	A	22	108.2	29	111.4	27	113.8	U		
	TOTAL TRAINER AIRCRAFT			108.2		111.4		113.8			

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S	E	C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST			
<u>BUDGET ACTIVITY 04: OTHER AIRCRAFT</u>											
<u>HELICOPTERS</u>											
15	V-22 OSPREY	A		(22.0)		(21.8)		4	(355.7)	U	
	LESS: ADVANCE PROCUREMENT (PY)								(-19.9)	U	
				22.0		21.8			335.8		
16	V-22 OSPREY								27.2	U	
	ADVANCE PROCUREMENT (CY)				19.9						
	(FY 2000 FOR FY 2001) (MEMO)				(19.9)						
	(FY 2001 FOR FY 2002) (MEMO)								(27.2)		
<u>MISSION SUPPORT AIRCRAFT</u>											
17	SMALL VCX	A	4	159.8						U	
18	C-32A	A	2	158.9						U	
19	C-32B FST/DEST AIRCRAFT	A			1	73.0				U	
20	CIVIL AIR PATROL A/C	A	27	3.0	27	2.5		27	2.5	U	
21	OPERATIONAL SUPPORT AIRCRAFT	A			1	61.8				U	
<u>OTHER AIRCRAFT</u>											
22	TARGET DRONES	A				31.3			32.9	U	
23	E-8C	A	2	(491.3)	1	(265.0)		1	(296.3)	U	
	LESS: ADVANCE PROCUREMENT (PY)								(-35.7)	U	
				473.3		226.3			260.6		
24	E-8C					35.7				U	
	ADVANCE PROCUREMENT (CY)										
	(FY 1999 FOR FY 2000) (MEMO)					(35.6)					
	(FY 2000 FOR FY 2001) (MEMO)										
25	E-8C ICS	A				25.6				U	
26	HAEUAV	A							22.4	U	

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
27	PREDATOR UAV	A	7	129.8	7	57.1	7	22.1	U
TOTAL OTHER AIRCRAFT				982.3		555.1		703.5	

BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT

STRATEGIC AIRCRAFT

28	B-2A	A		14.3		19.8		21.7	U
29	B-1B	A		82.9		125.5		48.8	U
30	B-52	A		47.5		24.6		8.4	U
31	F-117	A		28.5		37.2		32.0	U

TACTICAL AIRCRAFT

32	A-10	A		28.3		27.1		33.9	U
33	F-15	A		233.8		308.9		258.2	U
34	F-16	A		256.4		283.1		248.8	U
35	T/AT-37	A		.1		.1		.1	U

AIRLIFT AIRCRAFT

36	C-5	A		82.6		77.6		95.4	U
37	C-9	A		14.2		15.1		3.3	U
38	C-17A	A		51.3		95.0		97.1	U
39	C-21	A		47.2		9.3		1.9	U
40	C-22	A		.2		.2			U
41	C-32A	A		.5		.5		23.6	U
42	C-37A	A		.4		.4		.4	U
43	C-141	A		32.8		10.8		.7	U

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
TRAINER AIRCRAFT									
44	T-1	A		7.5		*			U
45	T-3 (EFS) AIRCRAFT	A		.1		2.2		1.9	U
46	T-38	A		25.1		44.0		120.5	U
47	T-41 AIRCRAFT	A		.1		.1		.1	U
48	T-43	A		5.7		.7		4.9	U
OTHER AIRCRAFT									
49	KC-10A (ATCA)	A		38.3		38.6		55.4	U
50	C-12	A		2.8		6.3		1.5	U
51	C-18	A		.4		.3		.3	U
52	C-20 MODS	A		6.5		5.4		5.2	U
53	VC-25A MOD	A		7.3		9.1		.1	U
54	C-130	A		116.0		167.0		91.5	U
55	C-135	A		290.4		446.6		328.2	U
56	DARP	A		137.2		234.4		165.5	U
57	E-3	A		112.8		104.3		88.7	U
58	E-4	A		11.0		15.0		31.6	U
59	E-8	A		43.5		28.3		33.4	U
60	H-1	A		1.8		.3		3.5	U
61	H-60	A		21.2		15.2		23.6	U
62	OTHER AIRCRAFT	A		15.9		20.1		28.2	U
63	PREDATOR MODS	A		3.4					U

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
OTHER MODIFICATIONS									
64	CLASSIFIED PROJECTS	A		7.2		9.3		16.7	U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT				1,774.2		2,182.3		1,875.4	
<u>BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS</u>									
AIRCRAFT SPARES + REPAIR PARTS									
65	SPARES AND REPAIR PARTS	A		512.9		441.2		356.9	U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS				512.9		441.2		356.9	
<u>BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES</u>									
COMMON SUPPORT EQUIPMENT									
66	AIRCRAFT SUPPORT EQ & FACILITIES	A		156.1		175.4		177.9	U
POST PRODUCTION SUPPORT									
67	A-10	A		11.0		8.1			U
68	B-2A	A		243.4		65.9		18.6	U
69	B-2B	A				46.5		42.7	U
70	C-5	A		27.7					U
71	C-130	A						1.4	U
72	E-4	A						1.5	U
73	F-15 POST PRODUCTION SUPPORT	A		6.9		7.2		7.3	U
74	F-16 POST PRODUCTION SUPPORT	A		36.6		43.9		25.5	U
INDUSTRIAL PREPAREDNESS									
75	INDUSTRIAL PREPAREDNESS	A		18.5		24.3		25.4	U
WAR CONSUMABLES									
76	WAR CONSUMABLES	A		74.6		112.3		43.0	U

UNCLASSIFIED

PAGE 22

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
FY 2001 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: FEB 2000

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999		FY 2000		FY 2001		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
	OTHER PRODUCTION CHARGES								
77	MISC PRODUCTION CHARGES	A		249.7		370.8		398.5	U
	COMMON ECM EQUIPMENT								
78	COMMON ECM EQUIPMENT	A		11.7		11.7		4.8	U
	OTHER PRODUCTION CHARGES - SOF								
79	CANCELLED ACCOUNT PY ADJUSTMENTS	A		7.8					U
	DARP								
80	DARP			140.0		128.0		98.4	U
	TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES			983.9		993.9		844.9	
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE			8,235.2		8,606.5		9,539.6	

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

FY 2001 AMENDED BUDGET REQUEST

FEBRUARY 2000

SECTION 4:

P - 1 LINE ITEM DETAIL

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 01 – COMBAT AIRCRAFT**

FEBRUARY 2000

UNCLASSIFIED PAGE 1 - 0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01

F-22 (Raptor)

Program Element for Code B Items:

Other Related Program Elements:

ID Code	Prior Years	Other Related Program Elements:							Total	
		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		
A		2		10	16	24	36	36	209	333
Cost (\$ M)		572.795		2149.882	2632.648	3327.500	3715.363	3319.129	17762.760	33480.077
Advance Proc Cost (\$ M)	80.772	197.200	277.094	396.222	379.159	985.589	251.874	246.017	0.000	2813.927
Weapon System Cost (\$ M)	80.772	769.995	277.094	2546.104	3011.807	4313.089	3967.237	3565.146	17762.760	36294.004
Initial Spares (\$ M)		24.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.937
Total Proc Cost (\$ M)	80.772	794.932	277.094	2546.104	3011.807	4313.089	3967.237	3565.146	17762.760	36318.941
Flyaway Unit Cost (\$ M)		316.850	0.000	200.301	163.249	131.544	98.959	85.632	77.132	94.347
Wpn Sys Unit Cost (\$ M)		397.466	0.000	254.610	188.238	179.712	110.201	101.560	84.989	109.066

Description

The F-22 program is developing the next generation multi-mission air superiority fighter for introduction in the early 21st century to counter emerging proliferation worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first-look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine of supersonic cruise without the use of afterburner. A total of 333 F-22 aircraft will be produced.

Initial spares are included in the weapon system cost line (except FY99). The F-22 program will not separately budget or contract for initial spares, rather, under interim supply support (ISS) the contractor will provide spares as a service.

The F-22 program intends to award a single overarching contract for all initial operational support as part of the Reengineered Supply Support Pilot Program (RSSP). The single contract will incorporate all supply support requirements, including all spare parts support, into a single cost per flying hour charge to be funded initially within Budget Program (BP) 10. The contractor will provide all spare parts as a service under this contract to achieve an agreed to mission capability rate. To partially fund this 'spares as a service' concept, referred to as Interim Supply Support (ISS), the funding previously identified for initial spares beginning in FY 2000 has been transferred in total to the weapon system procurement line. Following the implementation of this support concept, the first contract will be awarded in FY 2000, the amount of initial spares will not be separately priced or provided to the Air Force.

FY 2001 Program Justification

Procure 10 Low Rate Initial Production (LRIP) aircraft and associated support and Advance Procurement to fund procurement of long-lead parts and materials necessary to protect the delivery schedule of the FY 02 buy (16 aircraft).

P-1 Shopping List Item No. 01

Budget Item Justification
Exhibit P-40, page 1 of 10

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01		F-22 (Raptor)					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframes/CFE	A	2	195,900	391,800	10	120,811	1,208,110
Engine/Accessories (shipset)	A	2	33,500	67,000	10	21,784	217,839
Avionics	A	2	57,400	114,800	10	42,068	420,675
Nonrecurring Costs	A			60,100			156,410
Less: Prior Year Adv Procurement	A			-71,474			-278,755
FLYAWAY COST SUBTOTAL	A			562,226			1,724,279
Other	A			4,955			18,462
Air Vehicle Support	A			1,598			315,852
Engine Support	A			4,016			91,288
Interim Supply Support	A						
Publications/Technical Data	A						
ECOs	A						
Other	A						
Subtotal Support Costs	A			10,569			425,602
TOTAL PROGRAM				572,795			2,149,881
Comments							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01										F-22 (Raptor)	
<u>Weapon System</u>											
<u>F-22</u>											
Subline Item											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Corp	2	253.300	ASC/YF	Jan-98	SS	FFP	Lockheed Martin	Dec-98	Nov-01	Yes	
Lockheed Martin Corp	10	162.879	ASC/YF	Mar-99	SS	FFP	Lockheed Martin	Dec-00	Feb-03	Yes	
Lockheed Martin Corp	16	131.658	ASC/YF	Mar-00	SS	FFP	Lockheed Martin	Dec-01	Nov-03	Yes	
Pratt & Whitney	4	16.625	ASC/YF	Dec-97	SS	FFP	Pratt & Whitney	Dec-98	Jan-01	Yes	
Pratt & Whitney	20	10.892	ASC/YF	Jan-00	SS	FFP	Pratt & Whitney	Dec-00	May-02	Yes	
Pratt & Whitney	32	10.144	ASC/YF	Jan-01	SS	FFP	Pratt & Whitney	Dec-01	May-03	Yes	
<u>Remarks</u>											
Unit cost for the engine differs from the P-5 because the P-5 uses the aircraft qty to determine unit cost and the P-5A uses the engine qty.											
Unit cost does not include non-recurring cost.											
Specs are available, however, the technical data package is a 'deferred delivery' option and is currently maintained by the contractor.											
P-1 Shopping List Item No. 01										Procurement History and Planning	
										Exhibit P-5A, page 3 of 10	

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01

P-1 Line Item Nomenclature
F-22 (Raptor)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2001												FISCAL YEAR 2002											
					2000				CALENDAR YEAR 2001				CALENDAR YEAR 2002				CALENDAR YEAR 2002				CALENDAR YEAR 2002							
					O N	D E	C O	T V	J	A	M	A	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S
Lockheed Martin Corp	USAF	2	0	2																								
Lockheed Martin Corp	USAF	0	0	0																								
Lockheed Martin Corp	USAF	10	0	10																								
Lockheed Martin Corp	USAF	16	0	16																								
Lockheed Martin Corp	USAF	24	0	24																								
Lockheed Martin Corp	USAF	36	0	36																								
Lockheed Martin Corp	USAF	36	0	36																								
TOTAL		124	0	124																								

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED			PROCUREMENT LEAD TIME				MFG TIME		TOTAL AFTER 1 OCT											
		MIN SUST	SHIFT HOURS	DAYS	M A	X D+	ADMIN LEAD TIME		PRIOR 1 OCT	AFTER 1 OCT	M A R R Y	M A R R Y													
		36	36	36	O N	D E	S E P	O C T					J A N		J U N	J U L									
Lockheed Martin Corp	Marietta, GA 30063-0000																								

REMARKS
 Initial MFG time reflects Advanced Procurement. It is the number of months from PRTV long lead award (Jun 98) until the delivery of the first production aircraft (Nov 01).

P-1 Shopping List Item No. 01

Production Schedule
 Exhibit P-21 (2), page 5 of 10

UNCLASSIFIED PAGE 1 - 5

UNCLASSIFIED

Exhibit P-21 (4), Production Schedule

Date: February 2000

P-1 Line Item Nomenclature

F-22 (Raptor)

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	FISCAL YEAR 2005												FISCAL YEAR 2006												L A T E R								
					2004			2005			2006			2007			2008			2009			2010														
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T								
Lockheed Martin Corp		2	2	0																																	
Lockheed Martin Corp		0	0	0																																	
Lockheed Martin Corp		10	10	0																																	
Lockheed Martin Corp		16	16	0																																	
Lockheed Martin Corp		24	1	23	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	
Lockheed Martin Corp		36	0	36																1	3	2	3	4	3	2	3	2	2	3	2	2	3	0			
Lockheed Martin Corp		36	0	36																																	36
TOTAL		124	29	95	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	36	

MANUFACTURER'S NAME	LOCATION	REACHED			D+			M			MIN			SUST			SUST			M			SUST			SUST			M			SUST						
		REACHED	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+	D+						
Lockheed Martin Corp	Marietta, GA 30065-0000																																					

REMARKS

Initial MFG time reflects Advanced Procurement. It is the number of months from PRTV long lead award (Jun 98) until the delivery of the first production aircraft (Nov 01).

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01 **F-22 (Raptor)**

Weapon System F-22

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity			12	3	3	3	11	32
Proc			38,914	22,829	6,733	6,413	14,420	89,309

TRAINING SYSTEM DESCRIPTION

Full Mission Trainers (FMT). The FMT is a high fidelity replication of the F-22 cockpit, including all displays and controls accessible to the pilot. It will include a full field-of-view visual display system and its associated image generator. The FMT will be used to train systems operation, takeoff, landing, navigation, air refueling, air combat maneuvering, tactics, weapons delivery, and emergency procedures. To ensure commonality with the aircraft and to reduce cost, the FMT will make substantial reuse of software previously developed for the F-22 weapons system and will make extensive use of commercial off-the-shelf components. The FMTs will be capable of being networked to allow F-22 pilots to train 2-ship and 4-ship tactics on the ground. Future growth to implement Distributed Mission Training (DMT) is planned.

The Weapons Tactics Trainer (WTT) is a lower cost device than the FMT. It will be used in conjunction with academic instruction in the FTU classroom and as a part-task trainer in the FTU and operational squadrons. The WTT will be used primarily to train system operation and beyond-visual-range tactics, with limited capability in other areas. WTTs will be networked in the FTU classrooms to support 2-ship and 4-ship training.

The Egress Procedures Trainer (EPT) is a cockpit mockup with minimal functionality, including only those controls required for training life support and emergency egress procedures.

NOTE: FY 2002 includes the acquisition of one of each type of trainer. FY 2003 includes the acquisition of 3 weapon tactics trainers.

P-1 Shopping List Item No. 01 Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 8 of 10

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01										F-22 (Raptor)	
Weapon System F-22											
Equipment Nomenclature: Unit Training Device (UTD)											
IOC Date											
TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001		
					QTY	COST	QTY	COST	QTY	COST	
Egress									1	1.273	
Weapons									10	14.853	
Full Mission Trainers									1	22.788	
TOTAL									12	38.914	

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M)										Date: February 2000											
Appropriation (Treasury) Code/CC/BA/BSSA/Item Control Number										P-1 Line Item Nomenclature											
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01										F-22 (Raptor)											
Weapon System F-22																					
Equipment Nomenclature: Aircrew Trainers																					
<u>Description:</u>																					
FINANCIAL PLAN																					
			FY 1999			FY 2000			FY 2001			To Complete			Total Costs						
			QTY	COST		QTY	COST		QTY	COST		QTY	COST		QTY	COST					
Hardware Costs																					
Training Systems						12			12			20			20			32			89.309
Total Hardware Costs						12			12			20			20			32			89.309
Support Costs																					
Total Support Costs																					
TOTAL COSTS									12			20			20			32			89.309

UNCLASSIFIED

Exhibit P-40, Budget Item Justification											Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number											P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 02											F-22 (Raptor) Advance Procurement	
Program Element for Code B Items:											Other Related Program Elements:	
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total		
A												
Proc Qty												
Cost (\$ M)												
Advance Proc Cost (\$ M)		197.200	277.094	396.222	379.159	985.589	251.874	246.017		2733.155		
Weapon System Cost (\$ M)		197.200	277.094	396.222	379.159	985.589	251.874	246.017		2733.155		
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		197.200	277.094	396.222	379.159	985.589	251.874	246.017		2733.155		
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

The F-22 program is developing the next generation multi-mission air superiority fighter for introduction in the early 21st century to counter emerging proliferation worldwide threats. The F-22 is designed to penetrate enemy airspace and achieve a first-look, first-kill capability against multiple targets. The F-22 is characterized by a low-observable highly maneuverable airframe, advanced integrated avionics, and a new engine of supersonic cruise without the use of afterburner. A total of 333 F-22 aircraft will be produced.

FY 2001 Program Justification

Procures long-lead parts and materials necessary to protect the delivery schedule of the FY 02 buy (16 aircraft) and Diminishing Manufacturing Sources (DMS) parts requirements.

P-1 Shopping List Item No. 02

Budget Item Justification
Exhibit P-40, page 1 of 3

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BASA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 02

F-22 (Raptor) Advance Procurement

Weapon System

First System Award Date

First System Completion Date

F-22AP

Jun-98

Nov-01

(\$ in Millions)

Description	PLT	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty				2		10	16	24	36	36	36	209	333
CFE			71.291	176.670	239.694	341.904	267.718	275.444	201.974	203.350	929.225	2707.270	
GFE													
EOQ								610.996				341.147	952.143
Design			9.481	20.530	37.400	54.318	111.441	99.149	49.900	42.667	199.099	623.985	
Term Liability													
TOTAL AP			80.772	197.200	277.094	396.222	379.159	985.589	251.874	246.017	1469.471	4283.398	

Description:

CFE represents required funding for Contractor Furnished Equipment (CFE) for both Air Vehicle and Engine.
 Design line represents funding for Diminishing Manufacturing Sources (DMS).
 EOQ (Economic Order Quantity) represents cost for upfront Multi-Year Procurement.
 First system award date reflects advanced buy for Lot 1.

UNCLASSIFIED

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)		Date: February 2000				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 02		F-22 (Raptor) Advance Procurement				
Weapon System						
F-22AP						
(TOA, \$ in Millions)						
Description	PLT	QPA	Unit Cost	FY 2001 QTY	FY 2001 Contract Forecast Date	FY 2001 Total Cost Request
End Item						
CFE			21.369	16	Dec-00	341.904
GFE						
EOQ						
Design			3.395	16	Dec-00	54.318
Term Liability						
TOTAL AP						396.222
Description:						
Design line represents funding for Diminishing Manufacturing Sources (DMS).						
CFE represents required funding for Contractor Furnished Equipment (CFE).						
Contract Forecast Date reflects advanced procurement date for Lot 3.						
Production leadtime (PLT) is 35 months for Air Vehicle and 27 months for Engine.						

P-1 Shopping List Item No. 02

Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)
Exhibit P-10 p.2, page 3 of 3

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 03

F-15E

Program Element for Code B Items:

Other Related Program Elements:

ID Code	Prior Years	FY 2000					Total
		FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	
A	1,100		5				1,105
Cost (\$ M)	26219.910		267.286				26487.196
Advance Proc Cost (\$ M)			24.290				24.290
Weapon System Cost (\$ M)	26219.910		291.576				26511.486
Initial Spares (\$ M)							
Total Proc Cost (\$ M)	26219.910		291.576				26511.486
Flyaway Unit Cost (\$ M)			75.700				
Wpn Sys Unit Cost (\$ M)			75.700				

Description

The F-15E (Dual Role Fighter) retains the basic air-to-air capability of the F-15 A-D tactical fighter and adds the systems necessary to meet the urgent requirement for all weather deep penetration and night/under-the-weather air-to-surface attack. It is a two seat aircraft configured with missionized cockpits, low altitude navigation, targeting, and infrared for night (Lantirn) capability; automatic terrain following/terrain avoidance; and other improvements necessary to fulfill the deep penetration and night-under-the-weather air-to-air surface attack mission. Configured with conformal fuel tanks (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat ready. The program is a Congressional-add to the FY00 for the purchase of attrition reserve F-15Es

FY 2001 Program Justification

Not Applicable

P-1 Shopping List Item No. 03

Budget Item Justification

Exhibit P-40, page 1 of 6

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 03		F-15E								
Manufacturer's Name/Plant City/State Location		Subline Item								
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars								
		FY 1999			FY 2000					
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost			
Avionics	A				5	0.000	TBD			
Airframe/CFE	A				5	0.000	TBD			
Engine/Accessories	A				10	0.000	TBD			
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A				5	0.000	TBD			
Engineering Change Orders (ECO)	A				5	0.000	TBD			
Nonrecurring Costs	A									
Other Costs	A				5	0.000	TBD			
FLYAWAY COST SUBTOTAL	A						0.000			
Advance Buy	A									
Gross P-1 Cost	A									
Less Prior Yr Adv. Proc	A									
Net P-1 Cost	A									
Anticipated Reprogramming of Adv. Proc.	A									
TOTAL AVAILABLE FUNDS	A									
TOTAL PROGRAM										
Comments										
The Air Force is in the initial phase of price negotiation with the contractor and awaiting a detailed cost proposal. Favorable prices and additional resources may be necessary.										

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BASA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 03										F-15E	
Weapon System										Subline Item	
F-15E											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Air Vehicle FY96	6	34.300	ASC/FBA		FFP	FFP	BOEING	Dec-96	Apr-99	Yes	
FY97	6	33.300	ASC/FBA		FFP	FFP	BOEING	Feb-97	Sep-99	Yes	
FY98	5	35.300	ASC/FBA		FFP	FFP	BOEING	Nov-97	Nov-99	Yes	
FY00	5	55.730	ASC/FBA		FFP	FFP	The Boeing Company	Apr-00	Dec-03	No	
Propulsion											
FY96	12	7.500	ASC/LP		FFP	FFP	PRATT & WHITNEY	Nov-96	Sep-98	Yes	
FY97	12	8.500	ASC/LP		FFP	FFP	PRATT & WHITNEY	Apr-97	Feb-99	Yes	
FY98	10	8.600	ASC/LP		FFP	FFP	PRATT & WHITNEY	Feb-98	Apr-99	Yes	
FY00	10	4.474	ASC/LP		FFP	FFP	PRATT & WHITNEY	Apr-00	May-02	Yes	
ALQ-135											
FY96	6	1.700	ASC/FBA		FFP	FFP	BOEING	May-96		Yes	
FY97	6	1.600	ASC/FBA		FFP	FFP	BOEING	Jan-97		Yes	
FY98	5	1.700	ASCFBA		FFP	FFP	BOEING	Dec-97		Yes	
Remarks											
Assume CFE for Radar, TEWS, and AME for aircraft. ALQ-135 equipment for the FY00 program will be procured by Boeing as contractor furnished equipment and is included in Air Vehicle costs.											

P-1 Shopping List Item No. 03

Procurement History and Planning
Exhibit P-5A, page 3 of 6

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number **P-1 Line Item Nomenclature**

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 03 **F-15E**

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	2000 CALENDAR YEAR 2000												TOTAL AFTER 1 OCT			
					2000			JAN			FEB			MAR				L		
					O	C	N	J	A	N	J	F	E	J	M	A			J	A
FY00 Buy	USAF	5	5	5																3
TOTAL		5	5	5																3

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED		MFG TIME		TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS/DAYS	M A X	D+	PRIOR 1 OCT	AFTER 1 OCT		
The Boeing Company P.O. Box 516 St. Louis, MO 63316		14	5			33	33	33	

REMARKS
FY96, FY97, and FY98 USAF Buys are for attrition reserve aircraft.

	Production Schedule Exhibit P-21 (2), page 5 of 6
--	--

Exhibit P-21 (3), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 03

F-15E

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	PROC. QTY	S	FISCAL YEAR 2003												FISCAL YEAR 2004											
						CALENDAR YEAR 2003												CALENDAR YEAR 2004											
						2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012			
						OC	NT	DE	EA	FN	MA	JP	JA	JA	SE	SO	NO	DE	EA	FN	MA	JP	JA	JA	SE	SO	NO		
FY00 Buy	USAF	5	3	5																									
TOTAL		5	3	5																									

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED D+	PROCUREMENT LEAD TIME			MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	STOCK		ADMIN LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT		
The Boeing Company P.O. Box 516 St. Louis, MO 63316		14	5	5				INITIAL REORDER	33	33

REMARKS

FY96, FY97, and FY98 USAF Buys are for attrition reserve aircraft.

UNCLASSIFIED

Exhibit P-40, Budget Item Justification											Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number											P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 04											F-15E Advance Procurement	
Program Element for Code B Items: N/A											Other Related Program Elements:	
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total		
Proc Qty	A											
Cost (\$ M)												
Advance Proc Cost (\$ M)			24.290									24.290
Weapon System Cost (\$ M)			24.290									24.290
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			24.290									24.290
Flyaway Unit Cost (\$ M)			75.000									
Wpn Sys Unit Cost (\$ M)			75.000									
Description												
This program is a Congressional add for the purchase of additional attrition reserve F-15Es. The service intends to request Congressional approval to use these funds to procure 5 FY00 F-15Es. There is no required funding for FY 2001 procurement of aircraft.												
FY 2001 Program Justification												
											Budget Item Justification	
											Exhibit P-40, page 1 of 2	

P-1 Shopping List Item No. 04

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000												
P-1 Line Item Nomenclature												
F-15E Advance Procurement												
Weapon System						First System Award Date						
F15EAP						First System Completion Date						
(\$ in Millions)												
Description	PLT	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty			1,100		0							1,100
CFE												
GFE												
EOQ												
Design												
Term Liability												
TOTAL AP												

Description:

This program is a Congressional add for the purchase of additional attrition reserve F-15Es. The service intends to request Congressional approval to use these funds to procure 5 FY00 F-15Es. There is no required funding for FY 2001 procurement of aircraft.

UNCLASSIFIED

Exhibit P-40, Budget Item Justification											Date: February 2000			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number											P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05											F-16 C/D (MYP)			
Program Element for Code B Items:											Total			
Proc Qty	ID Code	N/A	Other Related Program Elements:								To Comp	Total		
			Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005				
	A		2,213	1	10					6	7	7	0	2,244
Cost (\$ M)			32549.900	26.623	238.865					165.975	198.365	203.049		33382.777
Advance Proc Cost (\$ M)			2846.300	14.486	23.317								0.000	2884.103
Weapon System Cost (\$ M)			35396.200	41.109	262.182					165.975	198.365	203.049	0.000	36266.880
Initial Spares (\$ M)			14.710	0.000	0.000	5.850	11.700	14.350	18.650	20.550	20.550	20.550	0.000	85.810
Total Proc Cost (\$ M)			35410.910	41.109	262.182	5.850	11.700	180.325	217.015	223.599	223.599	223.599	0.000	36352.690
Flyaway Unit Cost (\$ M)			15.970	26.623	25.340	0.000	0.000	27.660	28.340	29.010	29.010	29.010		
Wpn Sys Unit Cost (\$ M)														

Description

MISSION AND DESCRIPTION: The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a single-seat, fixed-wing, high performance, single-engine fighter aircraft. In its 25-year history, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions such as defense suppression, armed reconnaissance, close air support, combat air patrol, forward air control, and battle air interdiction (day and night). Also during these years the aircraft has evolved in its capabilities to exploit the advances made in computer, avionics systems, engine, and structures technologies. The F-16 has been selected by 19 air forces around the world. USAF and foreign military sales production will continue well into the 21st century.

FY 2001 Program Justification

FY99 Aircraft Procurement is an Attrition Reserve Aircraft: No initial spares are procured.
 FY99 Advance Procurement was approved as part of the Air Force FY99 OMNIBUS reprogramming package.
 FY00 Aircraft Procurement are Force Structure Aircraft to begin fielding the 10th Suppression of Enemy Air Defense (SEAD) Squadron. Additional 20 aircraft are required and funded in FY03-05.
 FY00 Advance Procurement was a FY00 Congressional Plus-up to the FY00 PB.
 Initial spares (FY01-05) are required to support the 30 Force Structure Aircraft planned in FY00-05.

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05		F-16 C/D (MYP)					
Manufacturer's Name/Plant City/State Location		Subline Item					
Lockheed-Martin Tactical Sys Co., Ft. Worth, TX							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe	A	1	15.446	15.446	10	14.685	146.851
Engine	A	1	4.404	4.404	10	3.820	38.200
Avionics	A	1	2.000	2.000	10	2.500	25.000
Armament	A	1	0.000	0.000	10	0.000	0.000
Software	A	1	0.000	0.000	10	0.000	0.000
Other Government Furnished Equipment (GFE)	A	1	1.787	1.787	10	1.781	17.814
Engineering Change Orders (ECO)	A	1	2.986	2.986	10	0.200	2.000
Nonrecurring Costs	A	1	0.000	0.000	10	0.000	0.000
Other Costs	A	1	0.000	0.000	10	0.000	0.000
FLYAWAY COST SUBTOTAL	A			26.623			229.865
Engine PGSE	A						1.500
Peculiar Training Equipment	A						7.500
SUPPORT COST SUBTOTAL	A						9.000
TOTAL PROGRAM							

Comments

Airframe includes Time Oriented Tasks (TOTS) & Recurring Manufacturing Support (RMS) (Previously allocated within Nonrecurring Equipment (NRE)).
 Avionics includes Radar Procurement.
 FY99 Aircraft Procurement is an attrition reserve aircraft; no initial spares are purchased.
 FY99 cost subjected to \$3M Congressional Rescission
 FY00 cost subjected to \$7M Congressional cut
 FY00 engine competition reduced cost of Engines
 FY00 Aircraft Procurement are force structure aircraft to begin fielding the 10th Suppression of Enemy Air Defense (SEAD) Squadron.

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning												Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number												P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05												F-16 C/D (MYP)	
Weapon System												Subline Item	
F-16													
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?		
FY1999	1	15.446	Ft Worth, TX		SS	FFP	LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS-AIRFRAME	Dec-98	May-01	Yes			
GENERAL ELECTRIC-PROPULSION	1	4.404	G.E. Evandale, OH		C	FFP	GENERAL ELECTRIC, EVANDALE, OH	Dec-98	Dec-99	Yes			
FY2000	10	14.427	Ft Worth, TX		SS	FFP	LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME	Apr-00	Apr-02	No	Apr-00		
GENERAL ELECTRIC-PROPULSION	10	3.820	G.E., Evandale, OH		C	FFP	GENERAL ELECTRIC, EVANDALE, OH	Dec-99	Dec-00	Yes			
FY2001	0	0.000	N/A		N/A	N/A							
Remarks													

UNCLASSIFIED

Exhibit P-21, Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05

F-16 C/D (MYP)

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 1998	BALANCE DUE AS OF 1 OCT 1998	1998		FISCAL YEAR 1999			FISCAL YEAR 2000			L A T E R												
					O C T	N O V	D E C	CALENDAR YEAR 1999			CALENDAR YEAR 2000														
								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								
L-M TAC AIR SYS- AIRFRAME -FY 99	USAF	1	0	1																					
L-M TAC AIR SYS- AIRFRAME -FY 00	USAF	10	0	10																					10
L-M TAC AIR SYS- AIRFRAME -FY 01	USAF	0	0	0																					0
L-M TAC AIR SYS- AIRFRAME -FY 02	USAF	0	0	0																					0
L-M TAC AIR SYS- AIRFRAME -FY 03	USAF	6	0	6																					6
L-M TAC AIR SYS- AIRFRAME -FY 04	USAF	7	0	7																					7
L-M TAC AIR SYS- AIRFRAME -FY 05	USAF	7	0	7																					7
FMS SINGAPORE II	FMS	18	14	4	2	2																			0
FMS TAIWAN	FMS	150	102	48	4	4	4	4	4	4	4	4	4												0
FMS GREECE V	FMS	40	38	2	2																				0
FMS EGYPT V	FMS	21	0	21																					0
FMS TURKEY II	FMS	80	54	26	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	
FMS KOREAN FIGHTER	FMS	120	82	38	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	0	
FMS EGYPT VI	FMS	24	24	0																					0
TOTAL		31	0	31																					31

MANUFACTURER'S NAME LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS- AIRFRAME	LOCATION FORT WORTH, TX	REACHED D+	PRODUCTION RATES		INITIAL REORDER	MFG TIME		TOTAL AFTER 1 OCT	
			MIN SUST	M A X		ADMIN LEAD TIME	PRIOR 1 OCT		AFTER 1 OCT
			4	1-8-5	2	3	3	35	38
						5	24	24	29

REMARKS
PROJECTED FMS BUYS: NORWAY 20 AIRCRAFT; GREECE III 58 AIRCRAFT; ISRAEL 50 AIRCRAFT

P-1 Shopping List Item No. 05

Production Schedule

Exhibit P-21, page 4 of 8

UNCLASSIFIED PAGE 1 - 26

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	ACCEP. PRIOR TO 1 OCT 2000	PROC. QTY	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2000												FISCAL YEAR 2001												FISCAL YEAR 2002												L A T E R
					2000			JAN			FEB			MAR			APR			MAY			JUN			JUL			AUG			SEP									
					O	N	V	D	E	C	J	A	N	F	E	B	M	A	R	A	P	R	M	A	Y	J	J	N	J	J	L	J	J	U	J	J	A	J	J	S	
L-M TAC AIR SYS - AIRFRAME FY99	USAF	1	1	1																																					
L-M TAC AIR SYS - AIRFRAME FY00	USAF	10	10	10																																					
L-M TAC AIR SYS - AIRFRAME FY01	USAF	0	0	0																																					
L-M TAC AIR SYS - AIRFRAME FY02	USAF	0	0	0																																					
L-M TAC AIR SYS - AIRFRAME FY03	USAF	6	6	6																																					
L-M TAC AIR SYS - AIRFRAME FY04	USAF	7	7	7																																					
L-M TAC AIR SYS - AIRFRAME FY05	USAF	7	7	7																																					
SINGAPORE II FMS	FMS	18	18	0																																					
TAIWAN FMS	FMS	150	150	0																																					
GREECE V FMS	FMS	40	40	0																																					
EGYPT V FMS	FMS	21	21	0																																					
TURKEY II FMS	FMS	80	80	0																																					
KOREAN FIGHTER FMS	FMS	120	120	0																																					
EGYPT VI FMS	FMS	24	24	0																																					
TOTAL		31	31	0																																					

MANUFACTURER'S NAME LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME	LOCATION FORT WORTH, TX	PRODUCTION RATES			REACHED		PROCUREMENT LEAD TIME				TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	M A X DAYS	D+	D-	ADMIN LEAD TIME		MFG TIME		
							PRIOR 1 OCT	AFTER 1 OCT			
		4	1-8-5	2							35
INITIAL	REORDER					3	5				24
											38
											29

REMARKS

UNCLASSIFIED

Exhibit P-21 (3), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05

P-1 Line Item Nomenclature

F-16 C/D (MYP)

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCR. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004											
					2002				CALENDAR YEAR 2003				CALENDAR YEAR 2004				2003				CALENDAR YEAR 2004							
					O	N	D	E	J	A	S	O	J	A	M	A	J	A	M	A	J	A	M	A	J	A	M	A
L-M TAC AIR SYS - AIRFRAME FY99	USAF	1	1	0																								
L-M TAC AIR SYS - AIRFRAME FY00	USAF	10	10	0																								
L-M TAC AIR SYS - AIRFRAME FY01	USAF	0	0	0																								
L-M TAC AIR SYS - AIRFRAME FY02	USAF	0	0	0																								
L-M TAC AIR SYS - AIRFRAME FY03	USAF	6	0	6																								
L-M TAC AIR SYS - AIRFRAME FY04	USAF	7	0	7																								
L-M TAC AIR SYS - AIRFRAME FY05	USAF	7	0	7																								
SINGAPORE II	FMS	18	18	0																								
TAIWAN	FMS	150	150	0																								
GREECE V	FMS	40	40	0																								
EGYPT V	FMS	21	21	0																								
TURKEY II	FMS	80	80	0																								
KOREAN FIGHTER	FMS	120	120	0																								
EGYPT VI	FMS	24	24	0																								
TOTAL		31	11	20																								

MANUFACTURER'S NAME LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME	LOCATION FORT WORTH, TX	PRODUCTION RATES			REACHED D+	LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M X		PRIOR 1 OCT	AFTER 1 OCT		
		4	1-8-5	2		3	35	38	
						5	24	29	

REMARKS	INITIAL REORDER

UNCLASSIFIED

Exhibit P-21 (4), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05

P-1 Line Item Nomenclature

F-16 C/D (MYP)

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCR. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	FISCAL YEAR 2005												FISCAL YEAR 2006												L A T E R									
					2004						2005						2006						2007															
					O	N	D	E	C	T	J	A	M	A	P	R	J	J	A	M	A	P	R	J	M	A	M	A		P	R	J	J	A	M	A	P	R
					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2		2	2	2	2	2	2			
ACCP. TO 1 OCT 2004					CALENDAR YEAR 2005												CALENDAR YEAR 2006																					
L-M TAC AIR SYS - AIRFRAME	USAF	1	1	0																																		
L-M TAC AIR SYS - AIRFRAME	USAF	10	10	0																																		
L-M TAC AIR SYS - AIRFRAME	USAF	0	0	0																																		
L-M TAC AIR SYS - AIRFRAME	USAF	0	0	0																																		
L-M TAC AIR SYS - AIRFRAME	USAF	6	0	6	2	2	2																															
L-M TAC AIR SYS - AIRFRAME	USAF	7	0	7																																		
L-M TAC AIR SYS - AIRFRAME	USAF	7	0	7																															7			
SINGAPORE II	FMS	18	18	0																															0			
TAIWAN	FMS	150	150	0																															0			
GRBEE V	FMS	40	40	0																															0			
EGYPT V	USN	21	21	0																															0			
TURKEY II	FMS	80	80	0																															0			
KOREAN FIGHTER	FMS	120	120	0																															0			
EGYPT VI	FMS	24	24	0																															0			
TOTAL		31	11	20																															7			
					PROCUREMENT LEAD TIME																																	
MANUFACTURER'S NAME LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME					PRODUCTION RATES												ADMIN LEAD TIME																					
					MIN SUST						SHIFTS HOURS						M A X						PRIOR 1 OCT						AFTER 1 OCT									
					4 1-8-5						2						2						3						5									
					REACHED D+		INITIAL REORDER												MFG TIME						TOTAL AFTER 1 OCT													
							35												24						38													
							29												24						29													

REMARKS

P-1 Shopping List Item No. 05

Production Schedule
Exhibit P-21 (4), page 7 of 8

UNCLASSIFIED

Exhibit P-21 (5), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Date: February 2000

P-1 Line Item Nomenclature
F-16 C/D (MYP)

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCR. PRIOR TO 1 OCT 2006	BALANCE DUE AS OF 1 OCT 2006	2006			2007			2008			L A T E R														
					O	N	C	D	E	C	O	N	C		J	A	M											
					2	0	0	2	2	1	2	2	1		2	2	1											
					1	10	0	1	10	0	1	10	0		J	A	M											
					FISCAL YEAR 2007												FISCAL YEAR 2008											
					O	N	C	D	E	C	O	N	C	J	A	M	J	A	M	J	A	M						
					2	0	0	2	2	1	2	2	1	2	2	1	2	2	1	2	2	1						
					1	10	0	1	10	0	1	10	0	1	10	0	1	10	0	1	10	0						
L-M TAC AIR SYS - AIRFRAME FY99	USAF	1	1	0																								
L-M TAC AIR SYS - AIRFRAME FY00	USAF	10	10	0																								
L-M TAC AIR SYS - AIRFRAME FY01	USAF	0	0	0																								
L-M TAC AIR SYS - AIRFRAME FY02	USAF	0	0	0																								
L-M TAC AIR SYS - AIRFRAME FY03	USAF	6	6	0																								
L-M TAC AIR SYS - AIRFRAME FY04	USAF	7	7	0																								
L-M TAC AIR SYS - AIRFRAME FY05	USAF	7	0	7																								
SINGAPORE II	FMS	18	18	0																								
TAIWAN	FMS	150	150	0																								
GREECE V	FMS	40	40	0																								
EGYPT V	FMS	21	21	0																								
TURKEY II	FMS	80	80	0																								
KOREAN FIGHTER	FMS	120	120	0																								
EGYPT VII	FMS	24	24	0																								
TOTAL		31	24	7																								

MANUFACTURER'S NAME LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME	LOCATION FORT WORTH, TX	PRODUCTION RATES			REACHED D+		MFG TIME		TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	1-8-5	2	PRIOR 1 OCT	AFTER 1 OCT		
		4			2				

P-1 Shopping List Item No. 05

Production Schedule

Exhibit P-21 (5), page 8 of 8

UNCLASSIFIED PAGE 1 - 30

REMARKS

UNCLASSIFIED

Exhibit P-40, Budget Item Justification		Date: February 2000									
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature									
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 06		F-16 Advance Procurement									
Program Element for Code B Items:		Other Related Program Elements:									
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
A											
Proc Qty											
Cost (\$ M)											
Advance Proc Cost (\$ M)		14.486	23.317							37.803	
Weapon System Cost (\$ M)		14.486	23.317							37.803	
Initial Spares (\$ M)											
Total Proc Cost (\$ M)		14.486	23.317							37.803	
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

FY99 funds are a result of an FY99 Prior Approval reprogramming.
 FY00 Advance Procurement funds were a FY00 Congressional Plus-up.

FY 2001 Program Justification

P-1 Shopping List Item No. 06 Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 06

F-16 Advance Procurement

Weapon System

First System Award Date

First System Completion Date

F-16AP

(\$ in Millions)

Description	PLT	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty				1	10	0	0	6	7	7		31
CFE												
GFE				14,486	23,317							37,803
EOQ												
Design												
Term Liability												
TOTAL AP				14,486	23,317							37,803

Description:

FY99 funds are a result of an FY99 Prior Year reprogramming. Advanced buy supports are GFE purchases which are procured in advance of the fiscal year in which the related end item is funded. FY00 Advance Procurement funds were an FY00 Congressional Plus-up.

P-1 Shopping List Item No. 06

Advance Procurement Requirements Analysis
(Page 1 - Funding)

Exhibit P-10 p.1, page 2 of 2

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 02 – AIRLIFT AIRCRAFT**

FEBRUARY 2000

UNCLASSIFIED PAGE 2 - 0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Item Justification													Date: February 2000		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number													P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07													C-17A (MYP)		
Program Element for Code B Items:													N/A		
Other Related Program Elements:													N/A		
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total					
A	57	13	15	12	15	9	5	8		134					
Cost (\$ M)	15828.200	2570.406	2670.988	2211.655	2670.598	1859.197	1310.365	2234.336		31355.745					
Interim Ctr Support (\$ M)	482.400		396.600	412.200	437.200	440.300				2168.700					
Advance Proc Cost (\$ M)	1924.700	302.639	287.300	266.800	145.700	107.500	175.400			3210.039					
Weapon System Cost (\$ M)	18235.300	2873.045	3354.888	2890.655	3253.498	2406.997	1485.765	2234.336		36734.484					
Initial Spares (\$ M)	733.000	109.921	0.000	0.000	0.000	0.000	0.000	0.000	0.000	842.921					
Total Proc Cost (\$ M)	18968.300	2982.966	3354.888	2890.655	3253.498	2406.997	1485.765	2234.336	0.000	37577.405					
Flyaway Unit Cost (\$ M)	270.310	202.300	195.800	204.300	199.700	214.600	205.900	260.600	0.000						
Wpn Sys Unit Cost (\$ M)	311.000	222.400	227.200	244.400	231.400	275.000	283.600	301.200	0.000						

Description

Develops and procures C-17 Airlift Aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring C-141 aircraft.

FY 2001 Program Justification

Funding will provide for procurement of twelve aircraft in FY01. This reflects the fifth year of the multi-year procurement acquisition contract (FY97-03). This will be the third year of the new support contract, Flexible Sustainment, in which Boeing provides maintenance and material management through partnerships between industry and government depots.

The C-17 program has awarded a single overarching contract for Flexible Sustainment to include all initial spares support as part of the Reengineered Supply Support Process (RSSP). This single contract incorporates all supply support requirements, including all spare parts support, determined by collected failure rates during an interim period. The contractor will provide all spare parts as a service under this contract to achieve agreed to performance criteria.

P-1 Shopping List Item No. 07

Budget Item Justification
Exhibit P-40, page 1 of 13

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
		P-1 Line Item Nomenclature					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		C-17A (MYP)					
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07							
Manufacturer's Name/Plant City/State Location		Subline Item					
Boeing Airlift and Tankers / Long Beach, CA							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
1.0 Airframe	A	13	173.515	2255.700	15	166.633	2499.500
2.0 Engine (4) (Model F-117-PW-100)	A	52	4.787	248.900	60	5.043	302.600
3.0 Avionics	A	13	6.992	90.900	15	6.853	102.800
4.0 Engineering Change Orders (ECO)	A			0.000			0.000
5.0 Product Improvement	A	13	2.105	27.370	15	2.415	36.220
6.0 Nonrecurring Flyaway	A			0.000			0.000
7.0 Settlement	A			0.000			0.000
8.0 Flyaway Cost Subtotal (1 thru 7)	A			2622.870			2941.120
9.0 Peculiar Support Equipment	A			14.600			3.000
10.0 Common Support Equipment	A			2.800			2.300
11.0 Training	A			28.700			60.600
12.0 Data	A			6.925			9.109
13.0 Field Support	A			0.000			0.000
14.0 Flex Sustainment/Interim Sup Spt	A			206.160			0.000
15.0 Mission Support	A			12.496			13.498
16.0 Support Cost Subtotal (9 thru 15)	A			271.681			88.507
17.0 Gross P-1 Cost (8 + 16)	A	13		2894.551	15		3029.627
18.1 LESS: Prior Year Adv Procurement	A			-275.145			-302.639
18.2 LESS: EOQ Payback	A			-49.000			-56.000
19.0 Net P-1 Cost (17 + 18)	A			2570.406			2670.988
20.0 Advance Procurement, Current Year	A			302.639			287.300
Other P-1 Weapon System Costs	A						396.600
21.1 Initial Spares (BP16)	A			109.921			0.000
21.2 Modifications (BP11)	A			51.250			95.040

Weapon System Cost Analysis
Exhibit P-5, page 2 of 13

P-1 Shopping List Item No. 07

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07		C-17A (MYP)	
TOTAL PROGRAM		3034.216	3449.928
			2987.779

Comments

--	--	--	--

P-1 Shopping List Item No. 07

Weapon System Cost Analysis
Exhibit P-5, page 3 of 13

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning											Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number											P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07											C-17A (MYP)
Weapon System											Subline Item
C-17A											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY 1998											
Air Vehicle	9	201.534	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Dec-97	Apr-99		
Propulsion	36	4.669	AFMC/ASC		SS	FFP	Pratt & Whitney	Dec-97	Jul-98		
FY 1999											
Air Vehicle	13	180.507	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Dec-98	Jun-00		
Propulsion	52	4.787	AFMC/ASC		SS	FFP	Pratt & Whitney	Dec-98	Jul-99		
FY 2000											
Air Vehicle	15	173.486	AFMC/ASC		SS	FPIS	Boeing - Airlift and Tankers, Long Beach, CA	May-00	Jul-01		
Propulsion	60	5.043	AFMC/ASC		SS	FFP	Pratt & Whitney	Nov-99	Jul-00		
FY 2001											
Air Vehicle	12	182.267	AFMC/ASC		SS	FPIS	Boeing - Airlift and Tankers, Long Beach, CA	Jan-01	Aug-02		
Propulsion	48	5.242	AFMC/ASC		SS	FFP	Pratt & Whitney	Nov-00	Jul-01		
Remarks											
-- Air Vehicle Unit Cost is total of Airframe and Avionics unit costs from P-5 Exhibit -- Air Vehicle Multi-Year Procurement contract was awarded on 1 Jun 96. The award dates indicated above reflect contract modification dates to obligate funds for the aircraft procured in each fiscal year -- The Air Vehicle Contract Type in FY00 & FY01 is Fixed Price Incentive (Successive Target) -- Propulsion Multi-Year Procurement contract was awarded on 16 Dec 96. The award dates indicated above reflect contract modification dates to obligate funds for the engines procured in each fiscal year -- The Propulsion Contract Type is Firm Fixed Price with Escalation											
P-1 Shopping List Item No. 07											Procurement History and Planning
											Exhibit P-5A, page 4 of 13

Exhibit P-21, Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07
C-17A (MYP)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 1998	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1999												FISCAL YEAR 2000																																
					CALENDAR YEAR 1999			CALENDAR YEAR 1999			CALENDAR YEAR 2000			CALENDAR YEAR 2000			CALENDAR YEAR 2000			CALENDAR YEAR 2000																													
					O	N	C	J	A	S	J	A	S	J	A	S	J	A	S	J	A	S																											
FY 1997 / Lot IX	USAF	8	2	6	1	1	2																																										
C-17/Airlift and Tank	USAF	8	2	6	1	1	2																																										
FY 1998 / Lot X	USAF	9	0	9							3	2																																					
C-17/Airlift and Tank	USAF	9	0	9							3	2																																					
FY 1999 / Lot XI	USAF	13	0	13																																													
C-17/Airlift and Tank	USAF	13	0	13																																													
FY 2000 / Lot XII	USAF	15	0	15																																													
C-17/Airlift and Tank	USAF	15	0	15																																													
FY 2001 / Lot XIII	USAF	12	0	12																																													
C-17/Airlift and Tank	USAF	12	0	12																																													
FY 2002 / Lot XIV	USAF	15	0	15																																													
C-17/Airlift and Tank	USAF	15	0	15																																													
FY 2003 / Lot XV	USAF	8	0	8																																													
C-17/Airlift and Tank	USAF	8	0	8																																													
FY 2003 / Add'l SOLL II Aircraft	USAF	1	0	1																																													
C-17 / Boeing - Airlift and Tankers	USAF	1	0	1																																													
FY 2004 / Add'l SOLL II Aircraft	USAF	5	0	5																																													
C-17 / Boeing - Airlift and Tankers	USAF	5	0	5																																													
FY 2005 / Add'l SOLL II Aircraft	USAF	8	0	8																																													
C-17 / Boeing - Airlift and Tankers	USAF	8	0	8																																													
TOTAL		94	2	92	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2	1	1	2

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED D+	PROCUREMENT LEAD TIME			MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	A		ADMIN LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT		
Boeing - Airlift and Tank	Long Beach, CA	6	1/8/5	15				32		
REMARKS										
The forecast delivery dates for the additional 14 Special Operations Low Level (SOLL) II aircraft are only projected dates, these aircraft have not been placed on contract.										
The forecast delivery dates reflect the MYP contract dates with the exception of the Lot XV deliveries. Actual deliveries have been earlier.										
The FY03 - FY05 production deliveries reflect a lower production rate.										

P-1 Shopping List Item No. 07
Production Schedule
Exhibit P-21, page 5 of 13

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BBA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07

C-17A (MYP)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	2000		FISCAL YEAR 2001					FISCAL YEAR 2002					L A T E R							
					O	C	J	M	A	J	A	S	O	N	D	J		F	M	A	J	A	S	
					T	V	A	P	U	U	U	E	T	V	E	A		A	A	A	A	U	A	S
							N	R	N	L	L	P	C	C	C	N		N	N	P	R	N	U	U
FY1997 / Lot IX	USAF	8	8	0																				
C-17 Airlift and Tankers																					0			
FY 1998 / Lot X	USAF	9	9	0																				
C-17 Airlift and Tankers																						0		
FY 1999 / Lot XI	USAF	13	4	9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0			
C-17 Airlift and Tankers																						0		
FY 2000 / Lot XII	USAF	15	0	15																		0		
C-17 Airlift and Tankers																						0		
FY 2001 / Lot XIII	USAF	12	0	12																		10		
C-17 Airlift and Tankers																						10		
FY 2002 / Lot XIV	USAF	15	0	15																		15		
C-17 Airlift and Tankers																						15		
FY 2003 / Lot XV	USAF	8	0	8																		8		
C-17 / Boeing - Airlift and Tankers																						8		
FY 2003 / Add'l SOLL II Aircraft	USAF	1	0	1																		1		
C-17 / Boeing - Airlift and Tankers																						1		
FY 2004 / Add'l SOLL II Aircraft	USAF	5	0	5																		5		
C-17 / Boeing - Airlift and Tankers																						5		
FY 2005 / Add'l SOLL II Aircraft	USAF	8	0	8																		8		
C-17 / Boeing - Airlift and Tankers																						8		
TOTAL			94	21	73	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	47		

MANUFACTURER'S NAME	LOCATION	REACHED D+	PRODUCTION RATES		MFG TIME			TOTAL AFTER 1 OCT
			MIN SUST	MA X	PRIOR 1 OCT	AFTER 1 OCT		
Boeing - Airlift and Tankers	Long Beach, CA	15	6	1/8/5			32	
					INITIAL			
					REORDER			

REMARKS
The forecast delivery dates for the additional 14 Special Operations Low Level (SOLL) II aircraft are only projected dates, these aircraft have not been placed on contract.

The forecast delivery dates reflect the MYP contract dates with the exception of the Lot XV deliveries. Actual deliveries have been earlier.
The FY03 - FY05 production deliveries reflect a lower production rate.

P-1 Shopping List Item No. 07

Production Schedule

Exhibit P-21 (2), page 6 of 13

UNCLASSIFIED PAGE 2 - 6

UNCLASSIFIED

Exhibit P-21 (4), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07
C-17A (MYP)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROG. QTY	ACCEP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	FISCAL YEAR 2005												FISCAL YEAR 2006												L A T E R
					2004			CALENDAR YEAR 2005			CALENDAR YEAR 2006			CALENDAR YEAR 2005			CALENDAR YEAR 2006			T O T A L									
					O N C T	D E C V	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		
FY 2003 / Lot XV																													
C-17 / Boeing - Airlift and Tankers	USAF	8	4	4	1																								0
FY 2003 / Add'l SOLL II Aircraft	USAF	1	0	1																									0
FY 2004 / Add'l SOLL II Aircraft	USAF	5	0	5																									0
FY 2005 / Add'l SOLL II Aircraft	USAF	8	0	8																									6
C-17 / Boeing - Airlift and Tankers	USAF	22	4	18																									6
TOTAL																													

MANUFACTURER'S NAME Boeing - Airlift and Tankers	LOCATION Long Beach, CA	PRODUCTION RATES			REACHED D+*			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	D E C	N O V	O C T	ADMIN		TOTAL AFTER 1 OCT			
								PRIOR 1 OCT	AFTER 1 OCT				
		6	178/5	15							4	32	

REMARKS

The forecast delivery dates for the additional 14 Special Operations Low Level (SOLL) II aircraft are only projected dates, these aircraft have not been placed on contract.

The forecast delivery dates reflect the MYP contract dates with the exception of the Lot XV deliveries. Actual deliveries have been earlier.

The FY03 - FY05 production deliveries reflect a lower production rate.

UNCLASSIFIED

Exhibit P-21 (5), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07

C-17A (MYP)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCP. PRIOR TO 1 OCT 2006	PROC. QTY	BALANCE DUE AS OF 1 OCT 2006	FISCAL YEAR 2007												FISCAL YEAR 2008																																					
					2006						CALENDAR YEAR 2007						CALENDAR YEAR 2008						CALENDAR YEAR 2008																															
					O	N	D	J	F	M	J	A	S	O	N	D	J	F	M	A	J	A	S	O	N	D	J	F	M	A	J	A	S	O	N	D																		
FY 2005 / Add'l SOLL II Aircraft C-17 / Boeing - Airlift and Tankers	USAF	8	2	6	1	1	1	1	1	1	1																																											
TOTAL																																																						

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+	PROCUREMENT LEAD TIME			MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		ADMIN LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT		
Boeing - Airlift and Tankers	Long Beach, CA	6	1/8/5	15				32	

REMARKS
The forecast delivery dates for the additional 14 Special Operations Low Level (SOLL) II aircraft are only projected dates, these aircraft have not been placed on contract.
The forecast delivery dates reflect the MYP contract dates with the exception of the Lot XV deliveries. Actual deliveries have been earlier.
The FY03 - FY05 production deliveries reflect a lower production rate.

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07 **C-17A (MYP)**

Weapon System C-17A

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	1	1	2	0	0	0	0	4
Proc	28.700	60.600	40.800	23.200	11.900	1.100	0.000	166.300

TRAINING SYSTEM DESCRIPTION

Aircrew Training System (ATS); (Quantity of 4 in above table):
 Provides initial and continuous training for C-17 aircrew members. Training will be totally contractor administered and supported, with Air Mobility Command (AMC) evaluating the final product, a fully qualified member. The training system will be developed concurrently with the aircraft development and production. The Aircrew Training System (ATS) consists of: Weapon System Trainers (WSTs), Computer Based Trainers (CBTs), Loadmaster Stations (LSS), Cargo Compartment Trainers (CCTs), and Cockpit Systems Simulators (CSSs). The blend or mix of the components depend on the base or schoolhouse that they are being delivered to. The bases are: Charleston AFB, Altus AFB, McChord AFB, and Jackson AFB.

Maintenance Training System (MTS):
 The system is designed to reduce the maintenance training level to the lower skill levels. The system will employ accessibility, repairability, and interchangeability features. Integration will be with the aircraft development and production.

P-1 Shopping List Item No. 07 Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 10 of 13

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)		Date: February 2000									
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature									
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07		C-17A (MYP)									
Weapon System C-17A											
Equipment Nomenclature: Unit Training Device (UTD)											
IOC Date	TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001	
						QTY	COST	QTY	COST	QTY	COST
	AIRCREW	Charleston AFB						1	14.800		
	AIRCREW	Altus AFB				1	14.700				
	AIRCREW	McChord AFB								1	14.900
	AIRCREW	Jackson AFB								1	14.900
	Concurrency and Software						14.000		45.800		11.000
	TOTAL					1	28.700	1	60.600	2	40.800

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M)										Date: February 2000			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07										C-17A (MYP)			
Weapon System C-17A													
Equipment Nomenclature: Aircrew Trainers													
Description:													
Aircrew Training System (ATS): Provides initial and continuous training to C-17 aircrews.													
FINANCIAL PLAN	FY 1999			FY 2000			FY 2001			To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	
Hardware Costs													
Device (Hardware)	1	14,700	1	14,800	2	29,800							
Concurrency Updates		5,900		11,500		2,200						18,100	
Total Hardware Costs	1	20,600	1	26,300	2	32,000						18,100	
Support Costs													
Total Support Costs													
TOTAL COSTS	1	20,600	1	26,300	2	32,000						18,100	

UNCLASSIFIED

Exhibit P-43 p.4, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07 **C-17A (MYP)**

Weapon System C-17A

Equipment Nomenclature: Maintenance

Description:

Maintenance Training System (MTS): Upgrades the devices necessary to reduce the maintenance manning level and training required to the lowest level.

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Device (Hardware)										
Concurrency Updates		8.100		34.300		8.800		18.100		
Total Hardware Costs		8.100		34.300		8.800		18.100		

Support Costs

Total Support Costs

TOTAL COSTS		8.100		34.300		8.800		18.100		

P-1 Shopping List Item No. 07 Simulator and Training Device Justification (\$ M)

Exhibit P-43 p.4, page 13 of 13

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification											
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number											
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 08											
P-1 Line Item Nomenclature											
C-17 Advance Procurement											
Date: February 2000											
Program Element for Code B Items: N/A											
Other Related Program Elements:											
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A										
Cost (\$ M)											
Interim Ctr Support (\$ M)			302.639	287.300	266.800	145.700	107.500	175.400			1285.339
Advance Proc Cost (\$ M)			302.639	287.300	266.800	145.700	107.500	175.400			1285.339
Weapon System Cost (\$ M)											
Initial Spares (\$ M)											
Total Proc Cost (\$ M)			302.639	287.300	266.800	145.700	107.500	175.400			1285.339
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

Develops and procures C-17 Airlift Aircraft which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. Allows rapid and timely inter and intratheater deployment, employment, and resupply of combat forces to meet mobility requirements of theater CINCS. Provides intratheater outsize/airdrop capability not available now. Will provide force modernization and replace lost capability of retiring C-141 aircraft.

FY 2001 Program Justification

FY 01 funding will provide for the advance procurement for the 15 aircraft to be procured in the FY 02 lot buy.

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 08

C-17 Advance Procurement

Weapon System

First System Award Date

First System Completion Date

C-17AP

(\$ in Millions)

Description	PLT	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty			57	13	15	12	15	9	5	8		134
CPE			1773.300	276.900	277.500	266.800	145.700	95.000	152.000			2987.200
GFE			151.400	25.739	9.800	0.000	0.000	12.500	23.400			222.839
EOQ												
Design												
Term Liability												
TOTAL AP			1924.700	302.639	287.300	266.800	145.700	107.500	175.400			3210.039

Description:

The original C-17 funding provided for 15 aircraft procurement in FY01. The Air Force deferred purchase of three C-17 FY01 aircraft to FY03 to fund more immediate service priorities, while maintaining the integrity of the current multi-year contract.

To ensure the original delivery schedule is unaffected, the Air Force intends to obligate all of the appropriated FY00 advance buy funds to protect a 15-5-5 buy profile even though the proposed FY01 President's Budget buy profile will be 12-15-8 (FY01 - 03). By obligating funds for the advanced buy of 15 aircraft, the Air Force fully protects the vendor base and ensures no break in the original production delivery schedule.

First System Award Date reflects the planned Lot XIII (FY2001 aircraft buy) contract obligation date.

First System Completion Date reflects the first aircraft delivery for Lot XIII (FY2001 aircraft buy).

P-1 Shopping List Item No. 08

**Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Exhibit P-10 p.1, page 2 of 3

UNCLASSIFIED

**Exhibit P-10 p.2, Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 08

C-17 Advance Procurement

Weapon System
C-17AP

(TOA, \$ in Millions)

Description	PLT	QPA	Unit Cost	FY 2001 QTY	FY 2001 Contract Forecast Date	FY 2001 Total Cost Request
End Item				12	Jan-01	266.800
CFE						266.800
GFE						0.000
EOQ						
Design						
Term Liability						
TOTAL AP						266.800

Description:

P-1 Shopping List Item No. 08

Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)

Exhibit P-10 p.2, page 3 of 3

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 09

C-17 ICS

Program Element for Code B Items:

Other Related Program Elements:

N/A

ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A										
Proc Qty										
Cost (\$ M)			396.600	412.200	437.200	440.300				1686.300
Interim Ctr Support (\$ M)										
Advance Proc Cost (\$ M)			396.600	412.200	437.200	440.300				1686.300
Weapon System Cost (\$ M)										
Initial Spares (\$ M)										
Total Proc Cost (\$ M)			396.600	412.200	437.200	440.300				1686.300
Flyaway Unit Cost (\$ M)										
Wpn Sys Unit Cost (\$ M)										

Description

The C-17 Flexible Sustainment creates a C-17 commercial-like support structure that maintains the desired aircraft configuration using ICS+ and cost control incentives. ICS+ is traditional ICS with the addition of Public-Private Partnerships (PPPs) between the prime contractor and the ALC infrastructure. The prime contractor has program and materiel management and management responsibilities, using a series of fixed price incentive and fixed price contracts over an eight-year period, based on agreed -to weapon system performance standards and within the C-17 budget.

Flexible Sustainment has been on contract since Dec 97 and is now building toward a proof of concept period (FY01-03). A long term depot support decision is planned for FY03.

FY 2001 Program Justification

The C-17 program has awarded a single overarching contract for Flexible Sustainment to include all initial spares support as part of the Reengineered Supply Support Process (RSSP). This single contract incorporates all supply support requirements, including all spare parts support, determined by collected failure rates during an interim period. The contractor will provide all spare parts as a service under this contract to achieve agreed to performance criteria.

P-1 Shopping List Item No. 09

Budget Item Justification
Exhibit P-40, page 1 of 1

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification										Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10										WC-130J
Program Element for Code B Items:										41132F
Other Related Program Elements:										
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	8	1								9
Total Proc Cost (\$ M)	421.700	74.451								496.151
Description										
The WC-130J is the weather reconnaissance version of the C-130J. It provides immediate response for observation and reporting of severe weather conditions (hurricanes) for transmission to the National Oceanographic and Atmospheric Administration (NOAA). The WC-130s routinely fly 10-12 hour missions originating from Keesler AFB MS.										
Lockheed Martin Aeronautical Systems built the basic C-130J platform and under a separate contract, converted the aircraft into the WC-130J Weatherbird configuration.										
The Air Force is designated Executive Service for the C-130 production aircraft.										
One C-130J in FY97 was procured and transferred to the WC-130J mission.										
FY 2001 Program Justification										
An additional WC-130J was funded in FY97 in the C-130J line for a total of 10 WC-130J's. Logistics and training support for the 10 WC-130J aircraft is included in the FY01 C-130J budget request.										
										Budget Item Justification Exhibit P-40, page 1 of 5

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10		WC-130J					
Manufacturer's Name/Plant City/State Location		Subline Item					
Lockheed Martin Aeronautical Systems/Marietta/Georgia		WC-130J (BPAC 10400W)					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A	1		52.900			
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						
Nonrecurring Costs	A			12.700			
Other Costs	A			0.200			
FLYAWAY COST SUBTOTAL	A			65.800			
Airframe Peculiar Ground Support Equipment (PGSE)	A			4.500			
Engine PGSE	A						
Peculiar Training Equipment	A						
Publications/Technical Data	A						
ECOs	A						
ICS	A			3.100			
ISS	A						
Other	A			1.051			
SUPPORT COST SUBTOTAL	A			8.651			
MODs	A						
Initial Spares	A						
TOTAL PROGRAM				74.451			
Comments							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10 **WC-130J**

<u>Weapon System</u>		<u>Subline Item</u>									
WC130J											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	3	44.200	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Aug-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	1	47.100	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Aug-97	Nov-99	Yes	
Lockheed Martin Aeronautical Systems	3	47.400	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Aug-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	2	48.200	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Dec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1	50.000	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Jul-99	Dec-00	Yes	

Remarks
 One WC-130J was procured with FY97 C-130J Air Force funds and was transferred to AFRC for the weather reconnaissance mission.

UNCLASSIFIED

Exhibit P-21, Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Date: February 2000

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10

WC-130J

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SE R V	ACCEP. PRIOR TO 1 OCT 1998	PROC. QTY	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1999												FISCAL YEAR 2000											
					1998	CALENDAR YEAR 1999			CALENDAR YEAR 2000			CALENDAR YEAR 1999			CALENDAR YEAR 2000			CALENDAR YEAR 1999			CALENDAR YEAR 2000							
					O	N	D	J	M	A	J	J	A	S	O	N	D	J	F	M	A	M	A	J	J	A	S	
					C	V	E	A	A	P	A	U	U	E	C	O	E	A	E	A	A	P	A	U	U	U	A	S
					T	V	C	N	R	R	Y	N	L	U	P	T	V	C	N	B	R	R	Y	N	L	U	P	
C-130J/LMAS/1996		0	3	0											1											0		
C-130J/LMAS/1997		0	4	0											1											0		
C-130J/LMAS/1998		0	2	0											1											0		
C-130J/LMAS/1999		0	1	0												2										1		
TOTAL		0	10	0											10											1		

MANUFACTURER'S NAME	PRODUCTION RATES		REACHED D+				PROCUREMENT LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
	MIN SUST	M SHIFT HOURS	A	X	D+	PRIOR 1 OCT	AFTER 1 OCT	ADMIN LEAD TIME		
Lockheed Martin Aeronautical Systems										

REMARKS
The FY99 aircraft delivers in Dec 00.

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10

WC-130J

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCP. TO 1 OCT 2000	PROC. QTY	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2001												FISCAL YEAR 2002											
					2000				CALENDAR YEAR 2001				CALENDAR YEAR 2001				CALENDAR YEAR 2002				CALENDAR YEAR 2002							
					O	N	D	E	J	A	M	A	J	J	J	J	J	A	M	A	J	J	J	J				
C-1300/LMAS/1996	USAF	3	3	0																								
C-1300/LMAS/1997	USAF	4	4	0																								
C-1300/LMAS/1998	USAF	2	2	0																								
C-1300/LMAS/1999	USAF	1	1	0																								
TOTAL		10	10	0																								

MANUFACTURER'S NAME Lockheed Martin Aeronautical Systems	LOCATION Marietta GA	PRODUCTION RATES		REACHED D+	PROCUREMENT LEAD TIME			MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		ADMIN LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT		
				25					

REMARKS

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11 **EC-130J**

Program Element for Code B Items:		Other Related Program Elements:								
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	2	1	1							4
Total Proc Cost (\$ M)	141.300	83.931	87.075							312.306

Description

The EC-130J is a derivative of the C-130J. The aircraft is used to conduct special missions such as psychological operations, civil affairs radio and television broadcasts, Command and Control Countermeasures and limited intelligence gathering.

Lockheed Martin Aeronautical Systems provides the basic C-130J platform to the Air Force. Under a separate contract, Lockheed Martin Skunk Works converts the aircraft into the EC-130J Commando Solo configuration. This conversion includes removing existing mission equipment from EC-130E Commando Solos and integrating them onto the EC-130J aircraft.

The Air Force is the designated Executive Service for the C-130 production aircraft.

FY 2001 Program Justification

These aircraft are congressionally added.

Logistics and training support for the EC-130J aircraft is included in the FY01 C-130J budget request.

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000							
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature							
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11		EC-130J							
Manufacturer's Name/Plant City/State Location		Subline Item							
Lockheed Martin Aeronautical Systems, Marietta GA									
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars							
		FY 1999		FY 2000		FY 2001			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost		
Avionics	A	1		73.000	1		74.190		
Armament	A								
Software	A								
Other Government Furnished Equipment (GFE)	A								
Engineering Change Orders (ECO)	A			0.900			1.000		
Nonrecurring Costs	A								
Other Costs	A								
FLYAWAY COST SUBTOTAL	A			73.900			75.190		
Airframe Peculiar Ground Support Equipment (PGSE)	A			2.400					
Engine PGSE	A								
Peculiar Training Equipment	A								
Publications/Technical Data	A			7.631			1.001		
ECOs	A								
Other	A						10.884		
SUPPORT COST SUBTOTAL	A			10.031			11.885		
MOD	A								
TOTAL PROGRAM				83.931			87.075		
Comments									

P-1 Shopping List Item No. 11

Weapon System Cost Analysis
Exhibit P-5, page 2 of 5

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11 **EC-130J**

Weapon System
 EC130J Subline Item

WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	1	48.700	WPAFB	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Dec-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	1	48.200	WPAFB	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Dec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1	47.900	WPAFB	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Jul-99	Jun-00	Yes	
Lockheed Martin Aeronautical Systems	1		WPAFB	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta GA			Yes	

Remarks
 FY00 funding was congressionally added. The aircraft unit cost, award date, and delivery date are to be determined. The Commando Solo conversion is being split into two phases: Phase I for the first two aircraft was placed on contract with Lockheed Martin Skunk Works in Sep 99. It includes aircraft generator and intercom system upgrades, an augmented crew station, and the installation of an in-flight refueling receptacle. Phase 2, the mission equipment integration effort, will be placed on contract with Lockheed Martin Skunk Works by Aug 00.

UNCLASSIFIED

Exhibit P-21, Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11

EC-130J

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCEP. PRIOR TO 1 OCT 1998	DUE AS OF 1 OCT 1998	BALANCE	FISCAL YEAR 1999												FISCAL YEAR 2000																														
					CALENDAR YEAR 1999						CALENDAR YEAR 2000						CALENDAR YEAR 2000						CALENDAR YEAR 2000																								
					J	F	M	A	M	J	J	F	M	A	M	J	J	F	M	A	M	J	J	F	M	A	M	J																			
C-130J/LMAS/1997	1	0	1	0																																											
C-130J/LMAS/1998	1	0	1	0																																											
C-130J/LMAS/1999	1	0	1	0																																											
C-130J/LMAS/2000	1	0	1	0																																											
TOTAL	4	0	4	0																																											

MANUFACTURER'S NAME	LOCATION	REACHED D+	PRODUCTION RATES		PROCUREMENT LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
			MIN SUST	SHIFT HOURS DAYS	ADMIN LEAD TIME	INITIAL REORDER		
Lockheed Martin Aeronautical Systems	Marietta GA	25						

REMARKS
Estimated delivery date for the basic FY00 EC-130J is early CY02
Estimated delivery dates for the first converted EC-130J Commando Solo is early FY03.

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11

EC-130J

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2001												FISCAL YEAR 2002												L A T E R
					CALENDAR YEAR 2001												CALENDAR YEAR 2002												
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
C-130J/LMAS/1997	USAF	1	1	0																					0				
C-130J/LMAS/1998	USAF	1	1	0																					0				
C-130J/LMAS/1999	USAF	1	1	0																					0				
C-130J/LMAS/2000	USAF	1	0	1																					0				
TOTAL		4	3	1																					0				

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED		PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	D+		ADMIN LEAD TIME					
					PRIOR 1 OCT	AFTER 1 OCT	PRIOR 1 OCT	AFTER 1 OCT	INITIAL REORDER			
Lockheed Martin Aeronautical Systems	Marietta GA			25								

REMARKS
Estimated delivery dates for the first converted EC-130J Commando Solo is early FY03.

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 12

Date: February 2000

P-1 Line Item Nomenclature

C-130H

Program Element for Code B Items:

Other Related Program Elements:

PE: 0401115F

ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	N/A	6,994				28,423	46,975	29,005	TBD	TBD
Total Proc Cost (\$ M)										

Description

C-130H is for the immediate and responsive air movement and delivery of combat troops and supplies directly in objective areas through airlanding, extraction, airdrop or other delivery techniques. Provides air logistic support for all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. Prior year funding is for C-130 H3 Interim Contractor Support (ICS) for 107 unique item and fleet-wide ICS for several modifications. Outyear funding covers initial spares and support equipment for C-130X aircraft.

FY 2001 Program Justification

P-1 Shopping List Item No. 12

Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 12		C-130H								
Manufacturer's Name/Plant City/State Location		Subline Item								
Total Cost In Millions of Dollars										
Weapon System Cost Elements	Ident Code	FY 1999		FY 2000		FY 2001				
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
ICS	A			6,994						
TOTAL PROGRAM				6,994						
<u>Comments</u>										

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13

Date: February 2000

P-1 Line Item Nomenclature

C-130J

Program Element for Code B Items:	N/A	Other Related Program Elements:										Total
		Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	To Comp	
Proc Qty	A	3			2	2	2	4	6	TBD	TBD	TBD
Cost (\$ M)		186.300	29.062	46.351	208.051	206.326	225.264	308.933	519.105	TBD	TBD	TBD
Advance Proc Cost (\$ M)		0.000								TBD	TBD	TBD
Weapon System Cost (\$ M)		186.300	29.062	46.351	208.051	206.326	225.264	308.933	519.105	TBD	TBD	TBD
Initial Spares (\$ M)		15.200	60.674		0.000	0.000	0.000	0.000	0.000	TBD	TBD	TBD
Total Proc Cost (\$ M)		201.500	89.736	46.351	208.051	206.326	225.264	308.933	519.105	TBD	TBD	TBD
Flyaway Unit Cost (\$ M)		44.200			62.000	64.000	66.250	67.150	68.633			
Wpn Sys Unit Cost (\$ M)		69.000			104.026	103.163	112.632	77.233	86.518			

Description

The C-130J provides immediate and responsive air movement and delivery of combat troops and supplies directly into objective areas using various airland and airdrop techniques. It provides air logistics support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. It is a medium size tactical transport powered by four turbo-prop engines. The C-130J has set more than 50 world records for speed and short takeoff and landing (STOL) capability. The Air Force is the designated Executive Service for the C-130J production contract.

FY 2001 Program Justification

The C-130J program, through its five year option contract, supports all initial spares needs as part of the Reengineered Supply Support Process (RSSP). This contract incorporates all supply support requirements, including all spare parts, determined by collected failure rates during an interim period. The contractor will provide all spare parts as a service under this contract to achieve an 86% mission capable rate. To fund this 'spares as a service' concept, referred to as Interim Supply Support (ISS), the funds previously identified for initial spares beginning in FY2000 have been transferred in total to the C-130J procurement line. ISS funding is shown on Exhibit P-5. The 2001 budget contains 2 C-130J-30 aircraft, as well as logistics and training support for the 29 Air Reserve Command C-130J fleet. This includes 10 WC-130Js, 4 EC-130Js, and 15 C-130Js. These aircraft were appropriated as follows:

Aircraft	Qty	FY	Comment
C-130J	2	94	AF swapped 2 C-130H3 with ANG for these aircraft. Aircraft now in AFRC.
C-130J	2	96	Included in Prior Years column above
WC-130J	3	96	AFRC
C-130J	4	97	ANG (Guard and Reserve Equipment account)
WC-130J	4	97	AFRC (One was an active duty C-130J, designated a WC-130J, provided to AFRC)
EC-130J	1	97	ANG
C-130J	4	98	ANG (Guard and Reserve Equipment account)
WC-130J	2	98	AFRC

P-1 Shopping List Item No. 13

Budget Item Justification
Exhibit P-40, page 1 of 11

UNCLASSIFIED

Exhibit P-40, Budget Item Justification		Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13		C-130J
FY 2001 Program Justification Continued		
EC-130J	1 98	ANG
C-130J-30	3 99	ANG (Guard and Reserve Equipment account)
WC-130J	1 99	AFRC
EC-130J	1 99	ANG
EC-130J	1 00	ANG
TOTAL	29	
P-1 Shopping List Item No. 13		Budget Item Justification Exhibit P-40, page 2 of 11

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13		C-130J					
Manufacturer's Name/Plant City/State Location		Subline Item					
Lockheed Martin Aeronautical Systems/Marietta/Georgia		C-130J (BPAC 10400C)					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A	0		0.000	0		0.000
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						4.960
Nonrecurring Costs	A						
Other Costs	A						
FLYAWAY COST SUBTOTAL	A			0.000			124.000
Airframe Peculiar Ground Support Equipment (PGSE)	A						
Engine PGSE	A						
Peculiar Training Equipment	A	1		29.062			30.600
Publications/Technical Data	A						1.000
ECOs	A			0.000			
ICS	A			0.000			5.900
ISS	A			0.000			38.551
Other	A						8.000
SUPPORT COST SUBTOTAL	A			29.062			84.051
Initial Spares	A			60.674			
TOTAL PROGRAM				89.736			208.051

Comments
Effective 1 Oct 99, initial spares requirements migrate to Interim Supply Support (ISS) under the Reengineered Supply Support Process (RSSP) umbrella in BP 10.

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13										C-130J	
<u>Weapon System</u>										Subline Item	
C-130J											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	2	44,200	WPafb	May-95	C	FFP	Lockheed Martin Aeronautical Systems, Marietta, GA	Nov-96	Jan-99	Yes	
Lockheed Martin Aeronautical Systems	2		WPafb	May-00	C	FFP	Lockheed Martin Aeronautical Systems, 86 South Cobb Drive	Dec-00	Oct-02	Yes	
<u>Remarks</u>											
Air Vehicle:											
a. FY96 aircraft were the initial cadre of aircraft procured under the Five Year Option Contract (FYOC). The engines are being provided as Contractor Furnished Equipment (CFE) and are included in the air vehicle price.											
b. New Five Year Option Contract required for future buys.											
c. One FY97 Air Force active duty C-130J was designated a WC-130J and provided to AFRC.											
d. No Air Force C-130J aircraft were programmed FY98 through FY00.											
e. All combat delivery aircraft after FY99 will be procured as stretch C-130J-30s; plan is to have one FY04 and one FY05 aircraft procured as EC-130Js.											
FY9Y											
0 2											
0 2											
0 2											
0 4											
0 6											
P-1 Shopping List Item No. 13										Procurement History and Planning	
										Exhibit P-5A, page 4 of 11	

UNCLASSIFIED

Exhibit P-21, Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13

Date: February 2000

P-1 Line Item Nomenclature
C-130J

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	ACCR. PRIOR TO 1 OCT 1998	PROC. QTY	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1999												FISCAL YEAR 2000																			
					1998				CALENDAR YEAR 1999				CALENDAR YEAR 2000				CALENDAR YEAR 2000				CALENDAR YEAR 2000															
					O	N	D	J	J	A	S	O	N	D	J	J	A	S	O	N	D	J	J	A	S	O	N	D	J	J	A	S	O	N	D	J
C-130J/LMAS/1996	USAF	2	2	2																																
C-130J/LMAS/2001	USAF	2	2	2																																
C-130J/LMAS/2002	USAF	2	2	2																																
C-130J/LMAS/2003	USAF	2	2	2																																
C-130J/LMAS/2004	USAF	4	4	4																																
C-130J/LMAS/2005	USAF	6	6	6																																
TOTAL		18	18	18																																

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+	LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		PRIOR 1 OCT	AFTER 1 OCT		
Lockheed Martin Aeronautical Systems	86 South Cobb Drive Marietta, GA 30063-0290		25					

REMARKS

UNCLASSIFIED

Date: February 2000

Exhibit P-21 (3), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature
C-130J

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004																			
					2002		2003		2004		2005		2006		2007		2008		2009		2010															
					O	N	D	J	F	M	A	P	A	R	Y	J	J	A	S	O	N	D	J	F	M	A	P	A	R	Y	J	J	A	S		
					C	O	E	A	N	B	E	A	R	R	Y	U	U	U	E	C	O	V	E	A	E	A	P	A	R	Y	U	U	U	E		
					T	V	C	N	J	F	M	A	P	A	R	Y	U	U	U	S	O	N	D	J	F	M	A	P	A	R	Y	U	U	U	E	
C-130J/LMAS/1996		2	2	0																																
C-130J/LMAS/2001		2	2	0																																
C-130J/LMAS/2002		2	0	2											2																					
C-130J/LMAS/2003		2	0	2																																
C-130J/LMAS/2004		4	0	4																																
C-130J/LMAS/2005		6	0	6																																
TOTAL		18	4	14											2																					

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		PRODUCTION LEAD TIME		MFG TIME		TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	ADMIN LEAD TIME	REACHED D+	PRIOR 1 OCT	AFTER 1 OCT	
Lockheed Martin Aeronautical Systems	86 South Cobb Drive Marietta, GA 30063-0290		25					

REMARKS

P-1 Shopping List Item No. 13

Production Schedule
Exhibit P-21 (3), page 7 of 11

UNCLASSIFIED PAGE 2 - 41

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13 **C-130J**

Weapon System C-130J

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	1	0	1	1	1	0	3	7
Proc	29.062	12.900	30.600	18.000	23.300	0.000	44.200	158.062

TRAINING SYSTEM DESCRIPTION

The C-130J Maintenance and Aircrew Training System (MATS) will include maintenance and aircrew training devices, aircrew courseware and instruction, contractor logistics support, and operation of a Training System Support Center.

Required Training Devices

- FY99 - 1 Weapon System Trainer
- FY01 - 1 Weapon System Trainer, 1 Avionics Systems Management Trainer
- FY02 - 1 Integrated Cockpit Maintenance Training Device
- FY03 - 1 Fuselage Trainer, 1 Cockpit Procedures Trainer
- FY04 - 1 Engine/Propeller Maintenance Trainer
- FY05 - 1 Landing Gear Maintenance Training Device, 1 Engine/Propeller Maintenance Trainer, 1 Fuselage Maintenance Training Device

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13 **C-130J**

Weapon System C-130J

Equipment Nomenclature: Unit Training Device (UTD)

IOC Date	TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001	
						QTY	COST	QTY	COST	QTY	COST
	AIRCREW	KAFB, MS	Mar-02	Sep-02	40	1	29.062				
	AIRCREW	LRAFB, AR	Jun-03	Dec-03						1	26.700
	TOTAL					1	29.062			1	26.700

P-1 Shopping List Item No. 13 Simulator and Training Device Justification (\$ M)

Exhibit P-43 p.2, page 10 of 11

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13 **C-130J**

Weapon System C-130J

Equipment Nomenclature: Aircrew Trainers

Description:

Initial program contains 2 Weapon System Trainer and 1 Avionics System Management Trainer.

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
WST	1	28.140			1	26.700	TBD	TBD	TBD	TBD
Total Hardware Costs	1	28.140			1	26.700	0	0.000	0	0.000
Support Costs										
Aircrew Courseware				8.220			TBD	TBD	TBD	TBD
Currency Mgt				0.630		0.700				
Other		0.922		4.050		3.200				
Total Support Costs		0.922		12.900		3.900	0	0.000	0	0.000
TOTAL COSTS	1	29.062		12.900	1	30.600	0	0.000	0	0.000

P-1 Shopping List Item No. 13 Simulator and Training Device Justification (\$ M)

UNCLASSIFIED PAGE 2 - 45 Exhibit P-43 p.3, page 11 of 11

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

**FY 2001 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 03 – TRAINER AIRCRAFT**

FEBRUARY 2000

UNCLASSIFIED PAGE 3 - 0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14

Date: February 2000

P-1 Line Item Nomenclature

Joint Primary Aircraft Training System (JPATS)

Program Element for Code B Items:	N/A	Other Related Program Elements:										Total
		Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	To Comp	
Proc Qty	A	46	22	29	27	48	55	50	50	45	45	372
Cost (\$ M)		229.900	108.174	111.370	113.825	216.389	240.158	225.462	234.000	242.200	1721.478	
Advance Proc Cost (\$ M)		0.000								0.000	0.000	
Weapon System Cost (\$ M)		229.900	108.174	111.370	113.825	216.389	240.158	225.462	234.000	242.200	1721.478	
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	0.000	60.801	23.628	24.353	25.200	133.982	
Total Proc Cost (\$ M)		229.900	108.174	111.370	113.825	216.389	300.959	249.090	258.353	267.400	1855.460	
Flyaway Unit Cost (\$ M)		4.493	2.936	2.586	2.778	3.858	3.918	3.988	4.072	4.233		
Wpn Sys Unit Cost (\$ M)		4.998	4.920	3.840	4.508	4.508	5.472	4.981	5.168	5.942		

Description

Supports Air Education and Training Command's (AETC) implementation of Specialized Undergraduate Pilot Training, (SUPT) and the Department of Defense initiative for joint pilot training. The Joint Primary Aircraft Training System (JPATS) is a joint USAF/USN venture to replace the Services' fleets of primary trainer aircraft (T-37/T-34 respectively) and associated Ground Based Training Systems (GBTS). The USAF's T-37 aircraft average over 35 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 is the Executive Service.

FY 2001 Program Justification

Will procure 27 aircraft and associated support with FY 2001 funds. Aircraft are required to begin training at Laughlin AFB, TX. FY 2000 funds will be used (in accordance with Congressional language) to fund one FY 2001 aircraft taking total FY 2001 buy to 28. In FY 2000 Congress authorized and appropriated the purchase of 29 aircraft. However, contract limitations in the FY 2000 variation in Quantity Matrix limited the FY 2000 purchase to 28.

P-1 Shopping List Item No. 14

Budget Item Justification
Exhibit P-40, page 1 of 12

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14		Joint Primary Aircraft Training System (JPATS)								
Manufacturer's Name/Plant City/State Location		Subline Item								
Raytheon Aircraft Company/Wichita/Kansas										
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars								
		FY 1999			FY 2000					
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost			
Aircraft	A	22	2.936	64.600	29	2.586	75.000	27	2.778	75.000
FLYAWAY COST SUBTOTAL	A			64.600			75.000			75.000
Other	A			11.600			14.170			3.425
SUPPORT COST SUBTOTAL	A			11.600			14.170			3.425
Ground Based Training System	A			32.000			22.200			35.400
TOTAL PROGRAM				108.200			111.370			113.825

Comments
 'Other' includes air vehicle support, contractor logistics support, and mission support.
 Will procure 27 aircraft and associated support with FY 2001 funds. Aircraft are required to begin training at Laughlin AFB, TX. FY 2000 funds will be used (in accordance with Congressional language) to fund one FY 2001 aircraft taking total FY 2001 buy to 28. In FY 2000 Congress authorized and appropriated the purchase of 29 aircraft. However, contract limitations in the FY 2000 variation in Quantity Martix limited the FY 2000 purchase to 28.

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14										Date: February 2000 P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)	
Weapon System Subline Item											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Air Vehicle FY95	3	9.100	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-96	Feb-00	Yes	
Air Vehicle FY96	6	5.600	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Sep-96	Mar-00	Yes	
Air Vehicle FY97	15	4.000	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Apr-97	Jun-00	Yes	
Air Vehicle FY98	22	3.200	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-98	Nov-00	Yes	
Air Vehicle FY99	22	3.000	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-99	Jun-01	Yes	
Air Vehicle FY00	29	2.586	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-00	Feb-02	Yes	
Air Vehicle FY01	27	2.778	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-01	Feb-03	Yes	
Remarks Variations in Unit Cost from FY to FY.											
P-1 Shopping List Item No. 14										Procurement History and Planning Exhibit P-5A, page 3 of 12	

UNCLASSIFIED

Exhibit P-21 (3), Production Schedule Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number: **P-1 Line Item Nomenclature**
Joint Primary Aircraft Training System (JPATS)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004												L A T E R
					2002						CALENDAR YEAR 2003						CALENDAR YEAR 2004												
					O	N	D	E	C	T	J	A	M	A	P	R	J	A	M	A	P	R	J	A	M	A	P	R	
					C	V	C	E	N	O	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	
Air Vehicle/Raytheon/FY95	USAF	9	9	0																									
Air Vehicle/Raytheon/FY96	USAF	4	4	0																									
Air Vehicle/Raytheon/FY97	USAF	11	11	0																									
Air Vehicle/Raytheon/FY98	USAF	22	22	0																									
Air Vehicle/Raytheon/FY99	USAF	22	22	0																									
Air Vehicle/Raytheon/FY00	USAF	29	24	5	4																								
Air Vehicle/Raytheon/FY01	USAF	27	0	27																									
Air Vehicle/Raytheon/FY02	USAF	48	0	48																									
Air Vehicle/Raytheon/FY03	USAF	55	0	55																									
Air Vehicle/Raytheon/FY04	USAF	50	0	50																									
Air Vehicle/Raytheon/FY05	USAF	50	0	50																									
Air Vehicle/Raytheon/FY06	USAF	45	0	45																									
TOTAL		372	92	280	4																								
MANUFACTURER'S NAME		Raytheon Aircraft Co.		LOCATION		Wichita, Kansas		MIN SUST		12		SHIFT HOURS DAYS		96		M A X		144		REACHED D+						TOTAL AFTER 1 OCT		38 29	
REMARKS				INITIAL		0		5		5		MFG TIME		33		24		REORDER											

UNCLASSIFIED

Exhibit P-21 (4), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14
System (JPATS)

P-1 Line Item Nomenclature

Joint Primary Aircraft Training

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	FISCAL YEAR 2005												L A T E R
				2004				CALENDAR YEAR 2005				CALENDAR YEAR 2006				
				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	
				0	0	0	0	0	0	0	0	0	0	0	0	
Air Vehicle/Raytheon/FY95	USAF	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY96	USAF	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY97	USAF	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY98	USAF	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY99	USAF	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY00	USAF	29	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY01	USAF	27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY02	USAF	48	32	16	4	4	4	4	4	4	4	4	4	4	4	4
Air Vehicle/Raytheon/FY03	USAF	55	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY04	USAF	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY05	USAF	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Air Vehicle/Raytheon/FY06	USAF	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL		372	156	216	4	4	4	4	4	4	4	4	4	4	4	4

MANUFACTURER'S NAME Raytheon Aircraft Co.	LOCATION Wichita, Kansas	PRODUCTION RATES		REACHED D+	PROCUREMENT LEAD TIME			TOTAL AFTER 1 OCT				
		MIN SUST	MAX X		SHIF T	ADMIN LEAD TIME	MFG TIME					
		12	144		96	PRIOR 1 OCT	AFTER 1 OCT					
					INITIAL	REORDER	0	5	33	24	38	29
							0	5	24	29		

REMARKS

P-1 Shopping List Item No. 14

Production Schedule
Exhibit P-21 (4), page 7 of 12

UNCLASSIFIED PAGE 3 - 7

UNCLASSIFIED

Exhibit P-21 (5), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14

Joint Primary Aircraft Training System (JPATS)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	PROC. QTY	ACCR. PRIOR TO 1 OCT 2006	BALANCE DUE AS OF 1 OCT 2006	CALENDAR YEAR 2007												CALENDAR YEAR 2008												L A T E R										
					2006						FISCAL YEAR 2007						FISCAL YEAR 2008																						
					O	N	C	T	V		J	A	M	A	P	R	J	A	M	A	P	R	J	A	M	A	P	R		J	A	M	A	P	R	J	A	M	A
Air Vehicle/Raytheon/FY95	USAF	9	9	0																																			
Air Vehicle/Raytheon/FY96	USAF	4	4	0																																			
Air Vehicle/Raytheon/FY97	USAF	11	11	0																																			
Air Vehicle/Raytheon/FY98	USAF	22	22	0																																			
Air Vehicle/Raytheon/FY99	USAF	22	22	0																																			
Air Vehicle/Raytheon/FY00	USAF	29	29	0																																			
Air Vehicle/Raytheon/FY01	USAF	27	27	0																																			
Air Vehicle/Raytheon/FY02	USAF	48	48	0																																			
Air Vehicle/Raytheon/FY03	USAF	55	55	0																																			
Air Vehicle/Raytheon/FY04	USAF	50	50	16	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		
Air Vehicle/Raytheon/FY05	USAF	50	0	50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Air Vehicle/Raytheon/FY06	USAF	45	0	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL		372	261	111	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4		

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+		PROCUREMENT LEAD TIME				MFG TIME		TOTAL AFTER 1 OCT	
		MIN	SUST	REACHED D+	REACHED D+	ADMIN	LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT	INITIAL	REORDER	PRIOR 1 OCT	AFTER 1 OCT
Raytheon Aircraft Co.	Wichita, Kansas			144				0	5	5	33	0	38
								0	5	5	24	0	29

REMARKS

UNCLASSIFIED

Exhibit P-21 (6), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BASA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14

Joint Primary Aircraft Training System (JPATS)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2008	BALANCE DUE AS OF 1 OCT 2008	FISCAL YEAR 2009				CALENDAR YEAR 2009				CALENDAR YEAR 2010				L A T E R								
					J	F	M	A	J	A	S	O	J	A	M	A		J	J	A	S				
					D	E	A	N	D	E	A	N	D	E	A	N		D	E	A	N				
Air Vehicle/Raytheon/FY95	USAF	9	9	0																					
Air Vehicle/Raytheon/FY96	USAF	4	4	0																					
Air Vehicle/Raytheon/FY97	USAF	11	11	0																					
Air Vehicle/Raytheon/FY98	USAF	22	22	0																					
Air Vehicle/Raytheon/FY99	USAF	22	22	0																					
Air Vehicle/Raytheon/FY00	USAF	29	29	0																					
Air Vehicle/Raytheon/FY01	USAF	27	27	0																					
Air Vehicle/Raytheon/FY02	USAF	48	48	0																					
Air Vehicle/Raytheon/FY03	USAF	55	55	0																					
Air Vehicle/Raytheon/FY04	USAF	50	50	0																					
Air Vehicle/Raytheon/FY05	USAF	50	50	0																					
Air Vehicle/Raytheon/FY06	USAF	45	40	5																					
TOTAL		372	367	5	5				O	N	D	J	A	S	O	J	F	F	M	A	J	J	A	S	
						C	O	T	C	O	N	D	A	S	O	D	J	F	M	A	J	J	A	S	
						T	V	C	T	V	C	D	A	S	O	E	J	F	M	A	J	J	A	S	
						O	C	T	O	C	N	D	A	S	O	E	J	F	M	A	J	J	A	S	
						5	5																		
						5	5																		
						372	367		372	367		372	367		372	367		372	367		372	367		372	367

MANUFACTURER'S NAME: Raytheon Aircraft Co. LOCATION: Wichita, Kansas

PRODUCTION RATES: MIN SUST 12, SHIFT HOURS 96, DAYS 144, REACHED D+:

PRODUCTION SCHEDULE: INITIAL REORDER 0 5, MFG TIME 33 24, TOTAL AFTER 38 29

REMARKS:

P-1 Shopping List Item No. 14 **UNCLASSIFIED PAGE 3 - 9** Production Schedule Exhibit P-21 (6), page 9 of 12

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14
Joint Primary Aircraft Training System (JPATS)

Weapon System T-6

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	5	16	9	7	12	13	16	78
Proc	32.000	22.200	35.400	24.600	18.400	18.900	22.300	173.800
RDT&E	28.019	28.269	20.473	1.883	1.974	2.012	2.053	84.683
O&S	0.000	0.000	1.389	5.413	5.626	6.617	7.115	26.160

TRAINING SYSTEM DESCRIPTION

Training will consist of a single primary phase of Specialized Undergraduate Pilot Training (SUPT). The objective of both the Air Force and the Navy is to jointly acquire an integrated training system using similar hardware with like capabilities. Components of the system include simulators, curricula, contractor logistics support and aircraft. This project represents the ground based training portion of the system and includes courseware and a Training Integration Management System as well as simulators. The quantities above reflect all GBTS components, not only UTDs.

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14										Joint Primary Aircraft Training System (JPATS)	
Weapon System T-6											
Equipment Nomenclature: Unit Training Device (UTD)											
3QFY01											
TRADING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001		
					QTY	COST	QTY	COST	QTY	COST	
OFT	Various				2	4.887	2	4.683	2	5.927	
IFT	Various						3	4.524	4	7.139	
UTD	Various						3	3.394	2	3.617	
TOTAL					2	4.887	8	12.601	8	16.683	

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14 **Joint Primary Aircraft Training System (JPATS)**

Weapon System T-6

Equipment Nomenclature: Aircrew Trainers

Description:

Aircrew trainers include Operational Flight Trainers (OFT), Instrument Flight Trainers (IFT), and Unit Training Devices (UTD).

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
OFT	2	4.887	2	4.683	2	5.927	16	45.200	22	60.697
IFT			3	4.524	4	7.139	18	24.900	27	36.563
UTD			3	3.394	2	3.617	12	23.000	19	30.011
EST			2	0.280			3	0.450	5	0.730
EPT			2	0.680			3	1.200	5	1.880
PPT										
CBTS			3	1.803						1.803
TIMS	3	22.920	1	2.909	1	13.000	1	12.200	6	51.029
Total Hardware Costs	5	27.807	16	18.273	9	29.683	53	106.950	84	182.713

Support Costs

		4.193		3.927		5.717		10.350		24.187
Total Support Costs		4.193		3.927		5.717		10.350		24.187

TOTAL COSTS	5	32.000	16	22.200	9	35.400	53	117.300	84	206.900
--------------------	----------	---------------	-----------	---------------	----------	---------------	-----------	----------------	-----------	----------------

P-1 Shopping List Item No. 14 Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.3, page 12 of 12

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 04 – OTHER AIRCRAFT
FEBRUARY 2000**

UNCLASSIFIED PAGE 4 - 0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15

Date: February 2000

P-1 Line Item Nomenclature
CV-22 (Osprey)

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:							Total	
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005		To Comp
Proc Qty	A			4	6	9	9	9	9	13	50
Cost (\$ M)		21.996	21.793	335.766	362.246	414.045	412.889	403.808	583.726	2556.269	
Advance Proc Cost (\$ M)			19.915	27.209	57.330	69.884	55.230	46.944	13.968	290.480	
Weapon System Cost (\$ M)		21.996	41.708	362.975	419.576	483.929	468.119	450.752	597.694	2846.749	
Initial Spares (\$ M)				16.960	68.244	54.714	61.772	79.564	109.666	390.920	
Total Proc Cost (\$ M)		21.996	41.708	379.935	487.820	538.643	529.891	530.316	707.360	3237.669	
Flyaway Unit Cost (\$ M)				77.341	56.962	47.910	45.561	44.398	43.746		
Wpn Sys Unit Cost (\$ M)				90.744	69.929	53.770	52.013	50.084	45.976		

Description

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long-range, high speed infiltration, exfiltration, and resupply to special forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of all V-22 variants, including the CV-22. The Air Force will procure and field 50 CV-22 aircraft and support equipment for USSOCOM, conduct IOT&E, and provide Type I training. USSOCOM funds the procurement of SOF unique systems, e.g. terrain following radar, electronic warfare suite, etc. The Air Force will fund 85 percent of the procurement cost for CV-22 training systems; USSOCOM, 15 percent. The Air Force and Navy will utilize joint training facilities at MCAS New River, NC to conduct all maintenance training and initial V-22 aircrew qualification training. CV-22 SOF-unique aircrew mission training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

FY 2001 Program Justification

\$309.36M in Total Flyaway procures four CV-22 Aircraft
 \$19.53M in Peculiar Ground Support Equipment (PGSE) procures 2 year lead airframe, engine and avionics O&I level PGSE to support Kirtland and Hurlburt.
 \$18.21M in Peculiar Training procures Air Force portion (85%) of first unit training OFT for Hurlburt and Interactive Media Instruction and Curriculum development.
 \$0.41M in Publications and Technical Data procures Flight Manuals, General Series Manuals updates, O-Level tech data, Technical manual data cards, and O&I level Integrated Electronic Technical Manual System (IETMS) to support first production lot of CV-22's
 \$6.42M in Other ILS and Production Engineering Support provides funding for logistics and engineering support functions at various Air Force, Marine Corp and Navy locations.
 \$1.75M in Common SE procures common SE necessary to support four CV-22's at Kirtland.
 \$16.96M in Initial Spares procures breadth of spares necessary for site stand-up at Kirtland and depth of spares necessary to support the first year's projected flying hour program
 \$27.21M in Advance Procurement procures long lead items for the six aircraft to be procured in FY02.

P-1 Shopping List Item No. 15

Budget Item Justification
Exhibit P-40, page 1 of 9

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000							
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature							
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15		CV-22 (Osprey)							
Manufacturer's Name/Plant City/State Location		Subline Item							
Bell-Boeing / Fort Worth / TX									
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars							
		FY 1999			FY 2000			FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
Air Frame CFE	A						4	66.107	264.429
Engines/Engine Accessories	A						8	1.830	14.640
GFE Electronics	A								3.214
Engineering Change Orders (ECO)	A								10.119
Nonrecurring Cost	A								16.960
TOTAL FLYAWAY COST	A								309.362
Airframe PGSE	A			2.353					14.155
Engine PGSE	A								0.688
Avionics PGSE	A								4.688
Peculiar Training Equipment	A			21.996					18.212
Publications/Technical Data	A								0.405
Other ILS	A								3.118
Production Engr Support	A								3.300
Common SE	A								1.752
SUPPORT COST	A			21.996					46.318
Gross P-1 Cost	A			21.996					355.680
Advance Procurement (Credit)	A								-19.915
Net P-1 Cost	A			21.996					335.765
Advance Procurement CY	A								27.209
Weapon System Cost	A			21.996					362.974
Initial Spares	A								16.960
TOTAL PROGRAM				21.996					41.708
Comments									

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15 **CV-22 (Osprey)**

<u>Weapon System</u>		<u>Subline Item</u>									
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY2000 Advance Procurement			NAVAIR		SS	Navy	Bell-Boeing, Patuxent River MD	Feb-00			
FY2001 Airframe	4	66.107	NAVAIR		SS	Navy	Bell-Boeing, Patuxent River MD	Feb-01	Mar-03	Yes	
FY2001 Engines	8	1.830	NAVAIR		SS	Navy	Allison Engine Co., Indianapolis IN	Jan-01	Aug-02	Yes	
FY2001 Advance Proc			NAVAIR		SS	Navy	Bell-Boeing, Patuxent River MD	Feb-01			

Remarks

UNCLASSIFIED

Exhibit P-21 (3), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15

P-1 Line Item Nomenclature

CV-22 (Osprey)

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCEP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	PROC. QTY	FISCAL YEAR 2005												FISCAL YEAR 2006											
					2004				CALENDAR YEAR 2005				CALENDAR YEAR 2006				CALENDAR YEAR 2006				CALENDAR YEAR 2006							
					O	N	D	C	J	A	S	O	J	F	M	A	J	A	S	O	J	F	M	A	J	A	S	O
FY2003 Air Vehicle	USAF	9	0	9																								
FY2004 Air Vehicle	USAF	9	0	9																								
TOTAL		18	0	18																								

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+	PROCUREMENT LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		ADMIN LEAD TIME	PRIOR 1 OCT		
Bell-Boeing	Fort Worth, TX		4		6	38	44	

REMARKS	INITIAL	
	REORDER	

UNCLASSIFIED

Exhibit P-43 p. 1, Simulator and Training Device Justification (\$ M)

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15

P-1 Line Item Nomenclature
CV-22 (Osprey)

Weapon System CV-22

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	1	1	1	2	0	2	1	8
Proc	21.996	16.502	18.212	28.817	0.807	29.713	13.414	129.461

TRAINING SYSTEM DESCRIPTION

The Air Force and Navy will conduct joint training at MCAS New River, NC for all maintenance training and initial V-22 aircrew qualification training. Development of the joint training facility is funded by the Navy. CV-22 SOF-unique aircrew mission training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM. In order to support the CV-22 IOC date of 4QFY04, a CV-22 training capability must be in place by the Sep 02 Ready for Training (RFT) date. Initial training will require a Weapon System Trainer (WST), which has a three year procurement lead time, and an Operational Flight Trainer (OFT), which has a two year procurement lead time. The CV-22 WST will be a 6 degree-of-freedom, full flight simulator that includes day/night/dusk instrument conditions, terrain following/terrain avoidance radar, forward looking infrared sensor, night vision goggle compatibility, and electronic warfare simulation. It will be integrated with the other trainers in the SOF training complex at Kirtland AFB. Delivery of the WST (and OFT) is required by Mar 02 to allow time for installation, integration, shake-down, and initial instructor cadre checkout prior to RFT. The first four CV-22 aircraft will be training assets based at Kirtland AFB; they will deliver between Mar 03 and Sep 03. The CV-22 training facility at Kirtland AFB will include 2 Weapon System Trainers (WST), 1 Operational Flight Trainer (OFT), and one Cabin Part Task Trainer (CPTT). Four additional OFTs will be procured for unit level training at SOF air bases. The CPTT will be procured in FY02. A WST is a full fidelity motion based simulator. An OFT is a full fidelity, no-motion based simulator. CPTT is a full scale mockup of the cabin to train flight engineers in loadmaster/crew chief duties (loading and unloading of aircraft, hoist operations, cabin rigging for airdrop and paratrooper operations. Procurement costs for the training systems will be split between USSOCOM (15%) and USAF (85%).

P-1 Shopping List Item No. 15

Simulator and Training Device Justification (\$ M)

Exhibit P-43 p. 1, page 7 of 9

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15		CV-22 (Osprey)								
Weapon System CV-22										
Equipment Nomenclature: Unit Training Device (UTD)										
IOC Date	Sep 2004									
TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001	
					QTY	COST	QTY	COST	QTY	COST
Weapon System Trainer (WST)	Kirtland	Feb-02		41	1	21.996				
Operational Flight Trainer (OFT)	Kirtland	Feb-02		41			1	14.136		
OFT	Hurlbut	Nov-03		62					1	13.921
WST	Kirtland	Nov-04		41						
OFT	PACOM	Feb-05		23						
OFT	EUCOM	Nov-06		23						
OFT	West Coast	Nov-07		62						
Cabin Part Task Trainer (CPPT)	Kirtland	Nov-04		72						
TOTAL					1	21.996	1	14.136	1	13.921

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BASA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15 **CV-22 (Osprey)**

Weapon System CV-22

Equipment Nomenclature: Aircrew Trainers

Description:

* Procurement costs will be split between USSOCOM (15%) and USAF (85%)

The Air Force and Navy will conduct joint training at MCAS New River, NC for all maintenance training and initial V-22 aircrew qualification training. Development of the joint training facility is funded by the Navy. CV-22 SOF-unique aircrew mission training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM. In order to support the CV-22 IOC date of 4QFY04, a CV-22 training capability must be in place by the Sep 02 Ready for Training (RFT) date. Initial training will require a Weapon System Trainer (WST), which has a three year procurement lead time, and an Operational Flight Trainer (OFT), which has a two year procurement lead time. The CV-22 WST will be a 6 degree-of-freedom, full flight simulator that includes day/night/dusk instrument conditions, terrain following/terrain avoidance radar, forward looking infrared sensor, night vision goggle compatibility, and electronic warfare simulation. It will be integrated with the other trainers in the SOF training complex at Kirtland AFB. Delivery of the WST (and OFT) is required by Mar 02 to allow time for installation, integration, shake-down, and initial instructor cadre checkout prior to RFT. The first four CV-22 aircraft will be training assets based at Kirtland AFB, they will deliver between Mar 03 and Sep 03. The CV-22 training facility at Kirtland AFB will include 2 Weapon System Trainers (WST), 1 Operational Flight Trainers (OFT), and one Cabin Part Task Trainer (CPTT). Four additional OFTs will be procured for unit level training at SOF air bases.

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
WST	1	21.996					1	12.428	2	34.424
OFT			1	14.136		13.921	3	36.986	5	65.043
CPTT							1	8.047	1	8.047
Total Hardware Costs	1	21.996	1	14.136	1	13.921	5	57.461	8	107.514

Support Costs

				2.366		4.291		16.848		23.505
Total Support Costs				2.366		4.291		16.848		23.505
TOTAL COSTS	1	21.996	1	16.502	1	18.212	5	74.309	8	131.019

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 4 - 10

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number

P-1 Line Item Nomenclature

**Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16
CV-22 (Osprey) Advance Procurement**

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:						Total			
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004		FY 2005	To Comp	
Proc Qty	A											
Cost (\$ M)												
Advance Proc Cost (\$ M)			19,915	19,915	27,209	57,330	69,884	55,230	46,944	13,968	290,480	
Weapon System Cost (\$ M)			19,915	19,915	27,209	57,330	69,884	55,230	46,944	13,968	290,480	
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			19,915	19,915	27,209	57,330	69,884	55,230	46,944	13,968	290,480	
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long-range, high speed infiltration, exfiltration, and resupply to special forces teams in hostile, denied, and politically sensitive areas. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of all V-22 variants, including the CV-22. The Air Force will procure and field 50 CV-22 aircraft and support equipment for USSOCOM, conduct IOT&E, and provide Type I training. USSOCOM funds the procurement of SOF unique systems, e.g. terrain following radar, electronic warfare suite, etc. The Air Force will fund 85 percent of the procurement cost for CV-22 training systems; USSOCOM, 15 percent. The Air Force and Navy will utilize joint training facilities at MCAS New River, NC to conduct all maintenance training and initial V-22 aircrew qualification training. CV-22 SOF-unique aircrew mission training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

FY 2001 Program Justification

\$27.21M in Advance Procurement procures long lead items for the six aircraft to be procured in FY02.

P-1 Shopping List Item No. 16

Budget Item Justification
Exhibit P-40, page 1 of 3

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number

P-1 Line Item Nomenclature

**Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16
Procurement**

Weapon System

First System Award Date

First System Completion Date

CV22AP

(\$ in Millions)

Description	PLT	When Rgd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty	38	Mar-03		4	4	6	9	9	9	9	4	50
CFE	38	Mar-03	N/A	19.242	26.182	55.766	68.293	53.606	45.285	13.217		281.591
GFE												
EOQ												
Design												
Term Liability												
GFE												
AN/AVR-2A(V)	13	Jan-02	N/A	0.609	0.928	1.414	1.437	1.467	1.498	0.679		8.032
Notch Filter	8	Sep-01	N/A	0.001	0.002	0.003	0.004	0.004	0.004	0.001		0.019
ARN-147 (V)	19	Apr-02	N/A	0.044	0.067	0.102	0.104	0.106	0.108	0.049		0.580
Main Mount	18	Oct-01	N/A	0.002	0.003	0.005	0.005	0.005	0.006	0.003		0.029
Pneumatic Tire												
External Power	12	Sep-01		0.003	0.005	0.007	0.007	0.007	0.008	0.003		0.040
Monitor												
RCU Battery	8	Oct-01		0.014	0.022	0.033	0.034	0.035	0.035	0.016		0.189
TOTAL AP			0.000	19.915	27.209	57.330	69.884	55.230	46.944	13.968		290.480

Description:

Airframe/CFE requirements are calculated on a termination liability basis, reflecting contractor's funding requirements for procurement of long-lead parts and materials necessary to protect the delivery schedule. Other government furnished equipment (GFE) requirements are determined on a fully funded basis. FY02 starts advance procurement for a planned multi-year production contract for FY03-FY07.

P-1 Shopping List Item No. 16

Advance Procurement Requirements Analysis
(Page 1 - Funding)

Exhibit P-10 p.1, page 2 of 3

UNCLASSIFIED

**Exhibit P-10 p.2, Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16

CV-22 (Osprey) Advance Procurement

Weapon System
CV22AP

(TOA, \$ in Millions)

Description End Item	PLT	QPA	Unit Cost	FY 2001 QTY	FY 2001 Contract		FY 2001 Total Cost
					Forecast Date	Request	
	38	1		4	Feb-01		27.209
CFE	38	1		4	Feb-01		26.182
GFE							
EOQ							
Design							
Term Liability							
GFE							
AN/AVR-2A(V)	13	1					0.928
Notch Filter	8	4					0.002
ARN-147 (V)	19	1					0.067
Main Mount Pneumatic Tire	18	4					0.003
External Power Monitor	12	1					0.005
RCU Battery	8	1					0.022
TOTAL AP							27.209

Description:

P-1 Shopping List Item No. 16

**Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)
Exhibit P-10 p.2, page 3 of 3**

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17										C-37A (Small VCX)	
Program Element for Code B Items:										Other Related Program Elements:	
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A	3	4								7
Total Proc Cost (\$ M)		104.900	159.799								264.699
Description											
The C-37A is a long-range executive passenger jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States. These aircraft offer improved reliability, reduced O&S costs, compliance with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.											
FY 2001 Program Justification											
N/A											
										Budget Item Justification	
										Exhibit P-40, page 1 of 5	

P-1 Shopping List Item No. 17

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17 **C-37A (Small VCX)**

Manufacturer's Name/Plant City/State Location Subline Item

Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars										
		FY 1999			FY 2000			FY 2001			Total Cost	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost		
Avionics	A	4		159.799								
Armament	A											
Software	A											
Other Government Furnished Equipment (GFE)	A											
Engineering Change Orders (ECO)	A											
Nonrecurring Costs	A											
Other Costs	A											
FLYAWAY COST SUBTOTAL	A			159.799								
Airframe Peculiar Ground Support Equipment (PGSE)	A											
Engine PGSE	A											
Peculiar Training Equipment	A											
Publications/Technical Data	A											
ECOs	A											
Other	A											
SUPPORT COST SUBTOTAL	A											
TOTAL PROGRAM				159.799								

Comments
 FY 98 funds one C-37A for the U.S. Army as directed by the FY 98 Defense Appropriation Bill. These funds were combined with funds available from FY 97 savings and proceeds from the trade-in of an Army C-20 aircraft.

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17		C-37A (Small VCX)								
<u>Weapon System</u>										
C-37A										
Subline Item										
Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
2	36,100	ASC/LAAV			FFP	Gulfstream	Aug-96	Oct-98	Yes	
1	N/A	ASC/LAAV			FFP	Gulfstream	Mar-98	Oct-99	Yes	
4	40,100	ASC/LAAV			FFP	Gulfstream		Jun-00	Yes	
<u>Remarks</u>										
P-1 Shopping List Item No. 17				Procurement History and Planning Exhibit P-5A, page 3 of 5						

UNCLASSIFIED

Date: February 2000

Exhibit P-21 (2), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17

P-1 Line Item Nomenclature

C-37A (Small VCX)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2000												L A T E R								
					CALENDAR YEAR 2001						CALENDAR YEAR 2002														
					2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000	2000									
					O N C T V E	D E C E M B E R	J A N U A R Y	F E B R U A R Y	M A R C H	A P R I L	M A Y	J U N E	J U L	A U G U S T	S E P T E M B E R	O C T O B E R									
	USAF	2	2	0																					
	USAF	1	1	0																					
	USAF	4	2	2																					
	USAF	7	5	2																					
TOTAL																									

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+	ADMIN LEAD TIME		MRG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		PRIOR 1 OCT	AFTER 1 OCT		
Galstream								
REMARKS								

P-1 Shopping List Item No. 17

Production Schedule
 Exhibit P-21 (2), page 5 of 5

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification										Date: February 2000																	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature																	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18										C-32A (Large VCX)																	
Program Element for Code B Items:										Other Related Program Elements:																	
N/A																											
ID Code										FY 2000		FY 2001		FY 2002		FY 2003		FY 2004		FY 2005		To Comp		Total			
A										2		2												4			
Total Proc Cost (\$ M)										180.800		158.877														339.677	
Description																											
The C-32 is a long-range executive jet that will provide worldwide air transportation for the Vice President, cabinet members, congressional delegations, Presidential emissaries, and other high ranking dignitaries of the United States. Four C-32A - Boeing 757-200s were procured under a FY 96 lease-to-purchase contract. The C-32A aircraft offer improved reliability, reduced O&S costs, compliance with Federal Aviation Administration (FAA) and International Civil Aviation Organization (ICAO) noise and pollution standards.																											
FY 2001 Program Justification																											
P-1 Shopping List Item No. 18										Budget Item Justification																	
										Exhibit P-40, page 1 of 4																	

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18		C-32A (Large VCX)					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A	2		155.000			
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						
Nonrecurring Costs	A						
Other Costs	A			3.877			
FLYAWAY COST SUBTOTAL	A			158.877			
Airframe Peculiar Ground Support Equipment (PGSE)	A						
Engine PGSE	A						
Peculiar Training Equipment	A						
Publications/Technical Data	A						
ECOs	A						
Other	A						
SUPPORT COST SUBTOTAL	A						
TOTAL PROGRAM				158.877			
<u>Comments</u>							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning		Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18		C-32A (Large VCX)	
Weapon System			
Subline Item			
C-32			
WBS Cost Elements	Qty	Unit Cost	Location of PCO
	2	89,800	ASC/LAAV
	2	77,500	ASC/LAAV
Remarks			

UNCLASSIFIED

Exhibit P-21, Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18

P-1 Line Item Nomenclature

C-32A (Large VCX)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV	ACCEP. PRIOR TO 1 OCT 1998	PROC. QTY	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1999												FISCAL YEAR 2000																		
					CALENDAR YEAR 1999						CALENDAR YEAR 1999						CALENDAR YEAR 2000						CALENDAR YEAR 2000												
					1998	1998		1999		1999		2000		2000		2000		2000		2000		2000													
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC				
	USAF		2	0																															
	USAF		2	0																															
TOTAL																																			

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED			ADMIN		MFG		TOTAL	
		MIN SUST	SHIFT HOURS DAYS	M A X	DH+	PRIOR 1 OCT	AFTER 1 OCT	PRIOR 1 OCT	AFTER 1 OCT	PRIOR 1 OCT	AFTER 1 OCT		
Boeing Aircraft													
REMARKS													

UNCLASSIFIED

Exhibit P-40, Budget Item Justification										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19										C-32B FEST/DEST AIRCRAFT	
Program Element for Code B Items:										None	
Other Related Program Elements:											
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
A			73,000	1		1			0	2	
Proc Qty											
Total Proc Cost (\$ M)			73,000		71,963					144,963	
Description											
This line item provides funds for the procurement of two (2) C-32B aircraft, required mission enhancements, and associated initial support required for the aircraft. These aircraft will ultimately replace the current aging Gatekeeper aircraft to provide an increased level of transport capability in support of worldwide operations to select government agencies on the recommendation of the National Security Council and the Department of Defense (DoD). One (1) aircraft with associated support will be purchased in FY00 and the second in FY02.											
FY 2001 Program Justification											
										P-1 Shopping List Item No. 19	
										Budget Item Justification Exhibit P-40, page 1 of 3	

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BBSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19		C-32B FEST/DEST AIRCRAFT					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft	A				1		45.000
Mission Equipment	A						18.750
FLYAWAY COST SUBTOTAL	A						63.750
Support Equipment	A						9.250
SUPPORT COST SUBTOTAL	A						9.250
TOTAL PROGRAM							73.000
Comments							

UNCLASSIFIED

Date: February 2000

Exhibit P-21, Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19

P-1 Line Item Nomenclature

C-32B FEST/DEST AIRCRAFT

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	ACCEP. PRIOR TO 1 OCT 1998	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1999												FISCAL YEAR 2000																							
				CALENDAR YEAR 1999						CALENDAR YEAR 2000						CALENDAR YEAR 2000						CALENDAR YEAR 2000																	
				J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
				J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D
				A	E	A	P	A	J	J	U	E	C	O	E	A	E	A	P	A	J	J	U	E	C	O	E	A	E	A	P	A	J	J	U	E	C	O	E
				N	A	R	R	A	U	U	L	P	T	V	C	N	A	R	R	A	J	J	U	E	C	O	E	N	A	R	R	A	J	J	U	E	C	O	E
				C	N	B	R	P	N	L	G	P	T	V	C	N	A	R	R	A	J	J	U	E	C	O	E	N	A	R	R	A	J	J	U	E	C	O	E
				T	N	B	R	P	N	L	G	P	T	V	C	N	A	R	R	A	J	J	U	E	C	O	E	N	A	R	R	A	J	J	U	E	C	O	E
TOTAL				O	N	D	E	A	M	J	U	E	C	O	E	A	E	A	P	A	J	J	U	E	C	O	E	A	E	A	P	A	J	J	U	E	C	O	E

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED D+	LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS		PRIOR 1 OCT	AFTER 1 OCT		

REMARKS
At this time, the specific contractor selection has not been made for this acquisition.

P-1 Shopping List Item No. 19

Production Schedule
Exhibit P-21, page 3 of 3

UNCLASSIFIED PAGE 4 - 27

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22

Target Drones

Program Element for Code B Items:

Other Related Program Elements:

64258F

ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A			31.332	32.915	36.688	37.217	46.874	39.181	TBD	TBD
Advance Proc Cost (\$ M)			31.332	32.915	36.688	37.217	46.874	39.181	TBD	TBD
Weapon System Cost (\$ M)		0.000	0.885	0.610	0.729	0.973	0.976	0.978		5.151
Initial Spares (\$ M)		0.000	32.217	33.525	37.417	38.190	47.850	40.159	TBD	TBD
Total Proc Cost (\$ M)										
Flyaway Unit Cost (\$ M)										
Wpn Sys Unit Cost (\$ M)										

Description

The target drones program funds for aerial targets to ensure air-to-air weapons effectiveness and mission proficiency of Air Force tactical weapon systems. The objective is to improve air-to-air weapon system accuracy and reliability by developing aerial target systems for Air Force weapons system test and evaluation. This program provides funds for the procurement of full scale (QF-4) and subscale aerial targets required for Congressionally mandated live fire tests.

FY 2001 Program Justification

Procurement funds are for full scale and subscale aerial targets for the AMRAAM, AIM-9, AIM-7 programs, for the F-22 test program, and for all operational flight program fighter aircraft upgrades. Procurement funds for the BQM-34 target drones (32 in FY00) are required to meet test and training requirements. Funds for QF-4 full scale aerial targets (12 in FY00) are required to meet existing development and operational test requirements.

Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains funding starting in FY00 and beyond.

P-1 Shopping List Item No. 22

Budget Item Justification
Exhibit P-40, page 1 of 9

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22		Target Drones					
Manufacturer's Name/Plant City/State Location		Subline Item					
QF-4 (BAE Systems, Mojave, CA) BQM-34 (Northrop Grumman, San Diego, CA)							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
QF-4 FULL SCALE AERIAL TARGET FLYAWAY COST	A						
QF-4 Hardware Recurring	A						
Aircraft Drone Mod & Integ	A	12	0.630	7.558	13	0.659	8.569
Scoring System (VDOPS)	A						
F-4 In Plant Repairs	A			0.321			0.355
Environ Stress Test of Destruct Units	A						
Engineering Change Orders	A			0.000			1.052
Warranty	A			0.190			0.192
Aircraft Withdrawal/AMARC	A						
Restricted Manned Perf to 3G	A	12	0.296	3.549	13	0.296	3.845
Unrestricted Manned Perf to 6G	A						
MILSTRIP RSD	A			0.150			0.150
MILSTRIP EOQ	A			0.200			0.200
FLYAWAY COST SUBTOTAL	A			11.968			14.363
QF-4 Support Cost	A						
Data Tech Manuals	A			0.056			0.058
On Call Engineering Support	A			0.026			0.027
Prime Contractor Technical Support	A			0.115			0.117
Government Support	A			2.346			3.044
SUPPORT COST SUBTOTAL	A			2.543			3.246
INITIAL SPARES	A						
BQM-34 SUBSCALE FLYAWAY COST	A						
Airframes	A	32	0.425	13.600	16	0.728	11.655
ECCO	A			0.000			0.521

P-1 Shopping List Item No. 22

Weapon System Cost Analysis
Exhibit P-5, page 2 of 9

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		Ident Code		Total Cost In Millions of Dollars										Date: February 2000	
				FY 1999			FY 2000			FY 2001			P-1 Line Item Nomenclature		
Weapon System Cost Elements		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Target Drones	
GFE	A														
Engines	A				32	0.025	0.800	28	0.014	0.400					
IFF (L-Band) Transponders	A				32	0.003	0.102	28	0.002	0.052					
Locator Beacons	A				32	0.003	0.102	28	0.002	0.052					
BQM-34 FLYAWAY COST SUB TOTAL	A						14.604			12.680					
BQM-34 Support Cost	A														
Data Tech Manuals	A						0.048			0.000					
NTSSAT FAAT Testing	A														
Government Testing	A														
Government Support	A						1.255			1.215					
On Site Support Redstone Arsenal	A						0.165			0.168					
Technical Support	A						0.502			0.974					
Other	A						0.247			0.269					
Interim Maint. Support for VDOPS	A						0.000			0.000					
BQM-34 SUPPORT COST SUBTOTAL	A						2.217			2.626					
TOTAL PROGRAM							31.332			32.915					

Comments

Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains funding starting in FY00 and beyond.

P-1 Shopping List Item No. 22

Weapon System Cost Analysis
Exhibit P-5, page 3 of 9

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22										Target Drones	
Weapon System										Subline Item	
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY00 (QF-4)	12	0.997	AAC/WRA		C	FFP	BAE SYSTEMS, MOJAVE, CA	Dec-99	Jun-00	Yes	
FY01 (QF-4)	13	1.105	AAC/WRA		C	FFP	BAE SYSTEMS, MOJAVE, CA	Dec-00	Jun-01	Yes	
FY00 (BQM-34)	32	0.456	AAC/WRA		C	FFP	NORTHROP GRUMMAN (BQM-34), SAN DIEGO CA	Nov-99	Apr-01	Yes	
FY01 (BQM-34)	16	0.792	AAC/WRA		C	FFP	NORTHROP GRUMMAN, SAN DIEGO CA	Oct-00	Jan-02	Yes	
Remarks											
Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains funding starting in FY00 and beyond.											
P-1 Shopping List Item No. 22										Procurement History and Planning	
										Exhibit P-5A, page 4 of 9	

UNCLASSIFIED

Exhibit P-21, Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22

Target Drones

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 1998	BALANCE DUE AS OF 1 OCT 1998	CALENDAR YEAR 1999												CALENDAR YEAR 2000															
					FISCAL YEAR 1999						CALENDAR YEAR 1999						FISCAL YEAR 2000						CALENDAR YEAR 2000									
					O	N	D	J	F	M	J	J	J	A	S	O	D	E	C	N	J	F	M	A	M	A	J	J	J	A	S	O
					C	T	V	A	A	R	U	U	U	U	U	P	E	C	O	V	A	A	E	A	A	P	U	A	U	U	U	U
BAE SYSTEMS (QF-4)/FY00	USAF	12	0	12																												
BAE SYSTEMS (QF-4)/FY01	USAF	13	0	13																												
BAE SYSTEMS (QF-4)/FY02	USAF	13	0	13																												
BAE SYSTEMS (QF-4)/FY03	USAF	13	0	13																												
BAE SYSTEMS (QF-4)/FY04	USAF	18	0	18																												
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18																												
NORTHROP GRUMMAN (BQM-34)/FY00	USAF	32	0	32																												
NORTHROP GRUMMAN (BQM-34)/FY01	USAF	16	0	16																												
AFSAT//FY02	USAF	6	0	6																												
AFSAT//FY03	USAF	11	0	11																												
AFSAT//FY04	USAF	34	0	34																												
AFSAT//FY05	USAF	23	0	23																												
TOTAL																																

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES				REACHED D+			MFG TIME			TOTAL AFTER 1 OCT
		MIN	SUST	SHIFT	HOURS	M	A	D+	PRIOR	ADMIN	AFTER	
		SUST	HOURS	DAYS	X	1 OCT	1 OCT	1 OCT	1 OCT	1 OCT	1 OCT	
		1	1	4	7	3	7	7	5	5	6	
BAE SYSTEMS (QF-4)	MOJAVE, CA											
NORTHROP GRUMMAN (BQM-34)	SAN DIEGO CA											
REMARKS												
Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains data starting in FY00 and beyond.												

UNCLASSIFIED

Exhibit P-21 (3), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22

P-1 Line Item Nomenclature

Target Drones

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004																		
					2002						CALENDAR YEAR 2003						CALENDAR YEAR 2004						CALENDAR YEAR 2004												
					O	N	D	E	C	T	J	A	M	J	J	A	S	O	N	D	E	C	T	V	J	F	F	A	M	A	J	A	S		
BAE SYSTEMS (QF-4)/FY01	USAF	13	3	10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	0	0	0			
BAE SYSTEMS (QF-4)/FY02	USAF	13	0	13											1	2	1	1	1	1	1	2	1	1	1	2	0	0	0	0	0	0			
BAE SYSTEMS (QF-4)/FY03	USAF	13	0	13																													1	2	10
BAE SYSTEMS (QF-4)/FY04	USAF	18	0	18																														18	
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18																														18	
AFSAT//FY02	USAF	6	0	6												2																		0	
AFSAT//FY03	USAF	11	0	11																														0	
AFSAT//FY04	USAF	34	0	34																														34	
AFSAT//FY05	USAF	23	0	23																														23	
TOTAL																																		0	

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES				REACHED D+	INITIAL REORDER	PROCUREMENT LEAD TIME				TOTAL AFTER 1 OCT																						
		MIN SUST	SHFT HOURS	REACHED D+	M			ADMIN LEAD TIME		MFG TIME																								
		1	1	3	O			N	D	E	C		A	P	A	M	Y	N	L	S														
BAE SYSTEMS (QF-4)	MOJAVE, CA	1	1	3	3																													
NORTHROP GRUMMAN (BOM-34)	SAN DIEGO CA	4	17	7	7																													

REMARKS
Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains data starting in FY00 and beyond.

P-1 Shopping List Item No. 22

Production Schedule

Exhibit P-21 (3), page 7 of 9

UNCLASSIFIED PAGE 4 - 35

UNCLASSIFIED

Exhibit P-21 (4), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BABSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22

Target Drones

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	CALENDAR YEAR 2005												CALENDAR YEAR 2006												L A T E R
					2004			2005			2006			2007			2008			2009									
					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	
BAE SYSTEMS (QF-4)/FY03	USAF	13	3	10	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	1	2	0		
BAE SYSTEMS (QF-4)/FY04	USAF	18	0	18																							0		
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18																							15		
AFSA1/FY03	USAF	11	0	11	3	3	2																				0		
AFSA1/FY04	USAF	34	0	34																							1		
AFSA1/FY05	USAF	23	0	23																							23		
TOTAL																													

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED			PROCUREMENT LEAD TIME			MFG TIME			TOTAL AFTER 1 OCT	
		MIN	SUST	SHFT	DAYS	HOURS	A	X	D+	PRIOR	AFTER	ADMIN	INITIAL		REORDER
										1 OCT	1 OCT	1 OCT			
BAE SYSTEMS (QF-4)	MOJAVE, CA			1	1	3									
NORTHROP GRUMMAN (BQM-34)	SAN DIEGO CA			4	7	7									

REMARKS
Starting in FY00 funding for Target Drones transitioned from Missile Procurement Air Force (MPAF) to Aircraft Procurement Air Force (APAF). This document contains data starting in FY00 and beyond.

P-1 Shopping List Item No. 22

Production Schedule

Exhibit P-21 (4), page 8 of 9

UNCLASSIFIED PAGE 4 - 36

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23

Program Element for Code B Items: N/A

Other Related Program Elements:

P-1 Line Item Nomenclature

E-8C (Joint Stars)

N/A

Date: February 2000

ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	11	2	1	1						15
Cost (\$ M)	2368.200	473.278	226.255	260.610	12.183					3340.526
Interim Ctr Support (\$ M)	0.000		25.609							25.609
Advance Proc Cost (\$ M)	805.200	35.609	35.732							876.541
Weapon System Cost (\$ M)	3173.400	508.887	287.596	260.610	12.183					4242.676
Initial Spares (\$ M)	182.700	97.818	72.180	22.571	9.546	6.332	2.773	1.535		395.455
Total Proc Cost (\$ M)	3356.100	606.705	359.776	283.181	21.729	6.332	2.773	1.535		4638.131
Flyaway Unit Cost (\$ M)	288.500	213.000	237.900	259.300						
Wpns Unit Cost (\$ M)	305.100	254.444	290.980	260.878						

Description

There is an Air Force and Army need to provide, from airborne platforms, near-real time surveillance and targeting information on moving and stationary ground targets (growth to maritime operations), slow moving rotary and fixed wing aircraft, and rotating antennas. This information enables operational and tactical commanders to make and execute battle decisions. To meet these needs, the Air Force and Army initiated the Joint Surveillance Target Attack Radar System (Joint STARS) program with the Air Force as lead service. Joint STARS provides target information for pairing direct attack aircraft and standoff weapons against selected targets. The system is capable of being cued by other reconnaissance, surveillance, and target acquisition systems; is able to respond rapidly to worldwide contingencies. The operational utility of the system was effectively demonstrated by the two developmental aircraft in support of combat operations during Desert Storm. Joint STARS aircraft were deployed in support of Operation Joint Endeavor in Dec 95 and again from Nov to Dec 96. Joint STARS also successfully supported Operation Allied Force from Feb to June 99. In Sep 96 the Defense Acquisition Board (DAB) Milestone III Review approved full rate production of a 19 E-8C program. The 93rd Air Control Wing, Robins AFB, GA, declared Joint STARS Initial Operational Capability (IOC) in Dec 97 and the system is now participating in operational and training exercises. After the 1996 Quadrennial Defense Review recommended a revision of the Joint STARS production profile the Air Force reduced Joint STARS production from 19 to 13 E-8Cs. Funding for the 14th and 15th E-8C provided during the FY00 and FY01 budget cycles.

FY 2001 Program Justification

Funds procurement of 15th aircraft in FY01.

P-1 Shopping List Item No. 23

Budget Item Justification
Exhibit P-40, page 1 of 6

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23		E-8C (Joint Stars)					
Manufacturer's Name/Plant City/State Location		Subline Item					
Northrup Grumman Corporation Melbourne Systems Division Melbourne, FL							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe	A	2	109.850	219.700	1	130.500	130.500
Avionics	A	2	60.750	121.500	1	71.500	71.500
GFE	A	2	2.600	5.200	1	5.200	5.200
Engineering Change Orders (ECO)	A			2.200			0.800
Nonrecurring Costs	A	2	9.550	19.100	1	9.900	9.900
Other Costs	A	2	29.150	58.300	1	20.000	20.000
FLYAWAY COST SUBTOTAL	A			426.000			237.900
Avionics PGSE	A			5.300			2.440
Peculiar Training Equipment	A			6.100			3.660
Publications/Technical Data	A			5.900			2.400
ICS	A			23.412			0.000
Pgm Mgmt Admin (PMA)	A			16.400			11.400
Other	A			8.189			7.448
SUPPORT COST SUBTOTAL	A			65.301			27.348
GROSS P-1 COSTS	A			491.301			265.248
Less: Prior Yr Adv Procurement	A			-18.023			-38.993
Net P-1 Total	A			473.278			226.255
Plus: Current Yr Adv Procurement	A			35.609			35.732
Plus: INITIAL SPARES	A			98.518			73.685
Plus: MODs BP 11	A			43.522			28.346
Plus: ICS (FY00)	A						25.609
TOTAL PROGRAM				650.927			389.627
Comments							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23										E-8C (Joint Stars)	
Weapon System										Subline Item	
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Weapon System											
FY99	2	213,000	ESC/JSK		SS	FPI	Northrop Grumman Corporation, Melbourne FL 32902	Jul-99	Dec-01	Yes	
FY00	1	237,900	ESC/JSK		SS	FPI	Grumman /Melbourne	May-00	Feb-03	Yes	
FY01	1	259,300	ESC/JSK		SS	FPI	Grumman /Melbourne	Mar-01	Apr-03	Yes	
Support											
FY99	N/A		ESC/JSK		SS	FP	Grumman /Melbourne	Nov-98	N/A	Yes	
FY00	N/A		ESC/JSK		SS	FP	Grumman /Melbourne	Nov-99	N/A	Yes	
FY01	N/A		ESC/JSK		SS	FP	Grumman /Melbourne	Nov-00	N/A	Yes	
Remarks											
Support costs consists of items such as PSE, CSE, Training. Date of first delivery is lead time to support A/C delivery schedule.											

P-1 Shopping List Item No. 23

Procurement History and Planning
Exhibit P-5A, page 3 of 6

UNCLASSIFIED

Exhibit P-21, Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature		FISCAL YEAR 1998			FISCAL YEAR 1999			FISCAL YEAR 2000			L A T E R					
S E R V	ITEM/MANUFACTURER/ PROCUREMENT YEAR	ACCEP. PRIOR TO 1 OCT 1998	PROC. QTY	BALANCE DUE AS OF 1 OCT 1998	1998			1999			2000							
					O C T	N O V	D E C	J A N	F E B	M A R	J A N	F E B	M A R	J A N	F E B	M A R		
USAF	Northrop Grumman Corporation E-8C FY92	2	2	0														
USAF	Northrop Grumman Corporation E-8C FY94	2	2	0														
USAF	Northrop Grumman Corporation E-8C FY95	2	0	2				1										
USAF	Northrop Grumman Corporation E-8C FY96	2	0	2														
USAF	Northrop Grumman Corporation E-8C FY97	2	0	2														
USAF	Northrop Grumman Corporation E-8C FY98	1	0	1														
USAF	Northrop Grumman Corporation E-8C FY99	2	0	2														
USAF	Northrop Grumman Corporation E-8C FY00	1	0	1														
USAF	Northrop Grumman Corporation E-8C FY01	1	0	1														
	TOTAL	15	4	11				1										7

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED			MFG TIME			TOTAL AFTER 1 OCT								
		MIN	SUST	M	A	D+	PRIOR	AFTER	TOTAL	PRIOR	AFTER	TOTAL						
		1	1-8-5	5	45	D+	1 OCT	1 OCT	1 OCT	1 OCT	1 OCT	1 OCT						
Northrop Grumman Corporation	Melbourne FL 32902																	
REMARKS - Aircraft P6&8 deliveries (Jan&May 01) reflect rebaselings on contract - Aircraft P12&13 delivery dates Dec01 & May02 are definitized - Aircraft P14 & 15 delivery dates of Feb03 and Apr 03 respectively reflect PM Assessment - No Long Lead time included																		

P-1 Shopping List Item No. 23

UNCLASSIFIED PAGE 4 - 42

Production Schedule
Exhibit P-21, page 4 of 6

UNCLASSIFIED

Exhibit P-21 (3), Production Schedule

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23
E-8C (Joint Stars)

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004											
					2002				CALENDAR YEAR 2003				CALENDAR YEAR 2004				2003				CALENDAR YEAR 2004							
					O	C	N	T	J	A	M	J	J	A	M	J	J	A	M	J	J	F	M	A	J	A	M	J
Northrop Grumman Corporation E-8C FY92	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY94	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY95	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY96	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY97	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY98	USAF	1	1	0																								
Northrop Grumman Corporation E-8C FY99	USAF	2	2	0																								
Northrop Grumman Corporation E-8C FY00	USAF	1	0	1																								
Northrop Grumman Corporation E-8C FY01	USAF	1	0	1																								
TOTAL		15	13	2																								

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED D+	PROCUREMENT LEAD TIME			MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	SHIFTS DAYS		ADMIN LEAD TIME	INITIAL REORDER			
						PRIOR 1 OCT	AFTER 1 OCT			
Northrop Grumman Corporation	Melbourne FL 32902	1	1-8-5	5 45		2	5	33	38	

REMARKS
 - Aircraft P6&8 deliveries (Jan&May 01) reflect rebaselings on contract
 - Aircraft P12&13 delivery dates Dec01 & May02 are definitized
 - Aircraft P14 & 15 delivery dates of Feb03 and Apr 03 respectively reflect PM Assessment
 - No Long Lead time included

UNCLASSIFIED PAGE 4 - 44

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 24

E-8C (Joint Stars) Advance Procurement

Program Element for Code B Items:		Other Related Program Elements:									
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
A											
Proc Qty											
Cost (\$ M)											
Interim Ctr Support (\$ M)											
Advance Proc Cost (\$ M)		35,609	35,732							71,341	
Weapon System Cost (\$ M)		35,609	35,732							71,341	
Initial Spares (\$ M)											
Total Proc Cost (\$ M)		35,609	35,732							71,341	
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

There is an Air Force and Army need to provide, from airborne platforms, near-real time surveillance and targeting information on moving and stationary ground targets (growth to maritime operations), slow moving rotary and fixed wing aircraft, and rotating antennas. This information enables operational and tactical commanders to make and execute battle decisions. To meet these needs, the Air Force and Army initiated the Joint Surveillance Target Attack Radar System (Joint STARS) program with the Air Force as lead service. Joint STARS provides target information for pairing direct attack aircraft and standoff weapons against selected targets. The system is capable of being cued by other reconnaissance, surveillance, and target acquisition systems; is able to respond rapidly to worldwide contingencies. The operational utility of the system was effectively demonstrated by the two developmental aircraft in support of combat operations during Desert Storm. Joint STARS aircraft were deployed in support of Operation Joint Endeavor in Dec 95 and again from Nov to Dec 96. Joint STARS also successfully supported Operation Allied Force from Feb to June 99. In Sep 96 the Defense Acquisition Board (DAB) Milestone III Review approved full rate production of a 19 E-8C program. The 93rd Air Control Wing, Robins AFB, GA, declared Joint STARS Initial Operational Capability (IOC) in Dec 97 and the system is now participating in operational and training exercises. After the 1996 Quadrennial Defense Review recommended a revision of the Joint STARS production profile the Air Force reduced Joint STARS production from 19 to 13 E-8Cs. Funding for the 14th and 15th E-8C provided during the FY00 and FY01 budget cycles.

FY 2001 Program Justification

P-1 Shopping List Item No. 24

Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000											
P-1 Line Item Nomenclature											
E-8C (Joint Stars) Advance Procurement											
Weapon System											
E-8CAP											
First System Award Date: Apr-92											
First System Completion Date: Mar-96											
(\$ in Millions)											
Description	PLT	When Rgd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
End Item Qty			11	2	1	1					15
CFE			805,200	35,609	35,732						876,541
GFE											
EOQ											
Design											
Term Liability											
TOTAL AP			805,200	35,609	35,732						876,541

Description:

The Joint STARS Production Process has required approximately a 45 month cycle (for single aircraft buy) and a 52 month cycle (two aircraft buy). The funding associated with each Lot is active for 3 years thus Advance Buy Funding is required to execute the production cycle. The two major long lead items for the Joint STARS program are aircraft refurbishment/modification and electronics. The other item included in the Advance Buy funding is for configuration update activities.

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 25

Date: February 2000

P-1 Line Item Nomenclature

E-8C (Joint Stars) ICS

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:							Total		
			N/A	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004		FY 2005	To Comp
Proc Qty	A											
Cost (\$ M)												
Interim Ctr Support (\$ M)				25.609								25.609
Advance Proc Cost (\$ M)												
Weapon System Cost (\$ M)				25.609								25.609
Initial Spares (\$ M)												
Total Proc Cost (\$ M)				25.609								25.609
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

There is an Air Force and Army need to provide, from airborne platforms, near-real time surveillance and targeting information on moving and stationary ground targets (growth to maritime operations), slow moving rotary and fixed wing aircraft, and rotating antennas. This information enables operational and tactical commanders to make and execute battle decisions. To meet these needs, the Air Force and Army initiated the Joint Surveillance Target Attack Radar System (Joint STARS) program with the Air Force as lead service. Joint STARS provides target information for pairing direct attack aircraft and standoff weapons against selected targets. The system is capable of being cued by other reconnaissance, surveillance, and target acquisition systems; is able to respond rapidly to worldwide contingencies. The operational utility of the system was effectively demonstrated by the two developmental aircraft in support of combat operations during Desert Storm. Joint STARS aircraft were deployed in support of Operation Joint Endeavor in Dec 95 and again from Nov to Dec 96. Joint STARS also successfully supported Operation Allied Force from Feb to June 99. In Sep 96 the Defense Acquisition Board (DAB) Milestone III Review approved full rate production of a 19 E-8C program. The 93rd Air Control Wing, Robins AFB, GA, declared Joint STARS Initial Operational Capability (IOC) in Dec 97 and the system is now participating in operational and training exercises. After the 1996 Quadrennial Defense Review recommended a revision of the Joint STARS production profile the Air Force reduced Joint STARS production from 19 to 13 E-8Cs. Funding for the 14th and 15th E-8C provided during the FY00 and FY01 budget cycles.

FY 2001 Program Justification

P-1 Shopping List Item No. 25

Budget Item Justification
Exhibit P-40, page 1 of 1

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26

Date: February 2000

P-1 Line Item Nomenclature

**High Altitude Endurance - UAV
Advance Procurement**

Program Element for Code B Items:	N/A	Other Related Program Elements:											
		Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total		
Proc Qty	A					2	2	2	2	2	2	2	8
Cost (\$ M)						79.157	75.315	75.174	63.680	293.326			
Advance Proc Cost (\$ M)					22.388	12.300	20.000	8.800	8.700	72.188			
Weapon System Cost (\$ M)					22.388	91.457	95.315	83.974	72.380	365.514			
Initial Spares (\$ M)						11.700	12.800	12.200	11.100	47.800			
Total Proc Cost (\$ M)					22.388	103.157	108.115	96.174	83.480	413.314			
Flyaway Unit Cost (\$ M)						32.400	31.600	30.500	29.000				
Wpn Sys Unit Cost (\$ M)						41.600	36.800	41.500	30.500				

Description

The High Altitude Endurance (HAE) Unmanned Aerial Vehicle (UAV) system consists of the all-weather Global Hawk air vehicle (A/V) and the Common Ground Segment (CGS). The CGS consists of the Mission Control Element (MCE) and the Launch and Recovery Element (LRE). Global Hawk will provide continuous, all-weather, day/night, wide-area reconnaissance and surveillance in direct support of the Joint Forces Commander. The system consists of aircraft, sensors, communication and interfaces to theater systems which will support the Joint Forces Commander and the tactical warfighters at various levels of command. This aircraft will be a fully autonomous, high altitude, long endurance unmanned aircraft directly responsive to theater force tasking. The aircraft will integrate with the existing tactical airborne reconnaissance architectures for mission planning, data processing, exploitation, and dissemination. It is designed to provide up to 40,000 sq. nmi. of wide area search radar imagery and either Electro-Optical (EO) or Infrared (IR) imagery with 1m resolution per mission, or up to 1900 EO, IR, or radar spot images per mission with a 0.3m resolution. The design targeting accuracy is less than 20m CEP. The Global Hawk UAV is designed to standoff, operate in low-to-moderate air defense environment and collect imagery while looking deep into high threat areas.

FY 2001 Program Justification

The Global Hawk and CGS programs are currently an Advanced Concept Technology Demonstration (ACTD), which is scheduled for completion in June 00. A DAE directive issued on 20 Aug 99, directed the Air Force to initiate a Milestone II Acquisition Decision in late FY00, buy 2 EMD air vehicles in FY01, and begin production of 2 air vehicles per year in FY02. The Global Hawk EMD program will consist of a one-year effort to evolve the Global Hawk system into a Block 5 configuration. The DAE directed that the first Global Hawks include those items necessary to make the system operational for deployment, while making the systems as flexible as possible to allow for spiral development of sensors and other capabilities. The Global Hawk production program will consist of 2 A/Vs per year from FY02 - FY05 (total of 8 A/Vs) and a total of 2 CGS over the same time period. Procurement of long lead items for the first 2 A/Vs and one MCE will start in FY01, with delivery in FY03. Production air vehicles procured from FY02 - FY05 will be Block 5 configuration.

P-1 Shopping List Item No. 26

Budget Item Justification
Exhibit P-40, page 1 of 5

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26		High Altitude Endurance - UAV Advance Procurement					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Long-lead for 2 air vehicles and 1 MCE	A				2		22.388
TOTAL PROGRAM							22.388
<u>Comments</u>							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning		Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26		High Altitude Endurance - UAV Advance Procurement	
<u>Weapon System</u>			
HAE_AP			
<u>Subline Item</u>			
WBS Cost Elements	Qty	Unit Cost	Location of PCO
FY 2001			ASC/RAK
Long lead for 2 Global Hawks and 1 MCE (FY02)			
Remarks			
<u>Remarks</u>			
No RFP has been issued, nor contract awarded, for procurement of HAE UAV systems. Long lead for production not scheduled to begin until FY01, for delivery ion FY03. Total lead time for air vehicles and ground stations is 24 months from receipt of order; six to eight months for long lead of air vehicles or ground station components and 16-18 months for fabrication and assembly (estimate).			
Procurement History and Planning Exhibit P-5A, page 3 of 5			

UNCLASSIFIED

**Exhibit P-10 p.1, Advance Procurement Requirements Analysis
(Page 1 - Funding)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26

**High Altitude Endurance - UAV
Advance Procurement**

Weapon System

First System Award Date

First System Completion Date

HAE_AP

Mar-01

Mar-00

(\$ in Millions)

Description	PLT	When Rgd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
End Item Qty												
CFE						22.388	12.300	20.000	8.800	8.700	TBD	72.188
GFE						0.000	0.000	0.000	0.000	0.000	TBD	0.000
EOQ						N/A	N/A	N/A	N/A	N/A	N/A	0.000
Design						N/A	N/A	N/A	N/A	N/A	N/A	0.000
Term Liability						N/A	N/A	N/A	N/A	N/A	N/A	0.000
TOTAL AP						22.388	12.300	20.000	8.800	8.700	0.000	72.188

Description:

CFE figures include long lead funding costs for Global Hawk and CGS.

P-1 Shopping List Item No. 26

Advance Procurement Requirements Analysis
(Page 1 - Funding)

Exhibit P-10 p.1, page 4 of 5

UNCLASSIFIED

**Exhibit P-10 p.2, Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)**

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26

**High Altitude Endurance - UAV
Advance Procurement**

Weapon System
HAE_AP

(TOA, \$ in Millions)

Description End Item	PLT	OPA	Unit Cost	FY 2001 QTY	FY 2001 Contract Forecast Date	FY 2001 Total Cost Request
CFE					Mar-01	22,388
GFE						
EOQ						
Design						
Term Liability						
TOTAL AP						22,388

Description:

Long lead for two air vehicles and one MCE.

P-1 Shopping List Item No. 26

Advance Procurement Requirements Analysis
(Page 2 - Budget Justification)
Exhibit P-10 p.2, page 5 of 5

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BY/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27

Date: February 2000

P-1 Line Item Nomenclature

PREDATOR UAV

Program Element for Code B Items:		Other Related Program Elements:							27245F	
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	49	129,750	7	8	7	6	8	8	TBD	TBD
Total Proc Cost (\$ M)			57,142	22,078	19,473	26,433	27,225	27,828		309,929

Description

The Predator Medium Altitude Endurance (MAE) Unmanned Aerial Vehicle provides a long dwell (24 hour plus coverage of a target beyond line-of-sight), autonomous, unmanned, reconnaissance system capable of operating over the horizon while providing real-time intelligence information to the Joint Task Force Commander. The air vehicle (A/V) carries electro-optical (EO), Infra-Red (IR), and synthetic aperture radar (SAR) sensors, and is capable of transmitting near real time imagery to the task force commander throughout the operational theater. The system is compatible with the current C4I architecture. A total of 12 systems are being procured. Each system consists of four air vehicles, one Ground Control Station (GCS), one Predator Primary Satellite Link (PPSL) communications suite and associated ground support equipment. Predator systems are operational and have deployed in support of operations in Bosnia, Southwest Asia, and Kosovo. The Operational Requirements Document (ORD) identifies requirements for system growth. The Predator Program was restructured when it transitioned from an Advanced Concept Technology Demonstration (ACTD) to an acquisition program to focus funding to address reliability and maintainability issues. Predator is procured through the BIG SAFARI Program Office with General Atomics ASI as the depot (sole-source supplier). The contracting strategy is to integrate Total System Performance Responsibility (TSPR) using General Atomics -ASI (GA) as the prime contractor to coordinate and implement hardware and engineering requirements. FY99 Kosovo Supplemental provided \$17M for replacement air vehicles to cover operational losses and reimbursement for four laser targeting designators (LTD), fielded in response to a Combat Mission Need Statement during Kosovo operations. Congress added production funds in FY00 for additional air vehicles and to start procurement of a permanent laser designator for use with precision guided munitions, tactical common data link (TCDL) and dual channel communications to improve relief-on-station.

Note: FY99 procurement quantity should be 11 vehicles due to addition of four replacement units, funded by the Kosovo Supplemental. Procurement schedule will be properly reflected in the next budget cycle. Exhibit P-5A and P-21 reflect actual procurement, including additional FY99 quantity.

FY 2001 Program Justification

Procurement funding includes system production, production support, engineering services, and acceptance testing and evaluation. FY99 supported one system, attrition air vehicles, ice protection kits, and retrofit of fielded systems. FY00 procures one system, attrition air vehicles, and ice protection kits. FY01 funding supports the procurement of attrition air vehicles and ice protection kits. FY01-05 funds procure attrition air vehicles.

P-1 Shopping List Item No. 27

Budget Item Justification
Exhibit P-40, page 1 of 8

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27		PREDATOR UAV					
Manufacturer's Name/Plant City/State Location		Subline Item					
General Atomics ASI/Rancho Bernardo/CA							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
System: Air Vehicles, Data Links, SARs, GCS, PPSL	A	7	13,068	91,474	8	5,811	46,492
P3I	A			12,474			2,500
Production Support	A			3,970			3,350
Interim Contractor Logistic Support	A			0,000			
Integrated Logistics Support*	A			15,232			2,300
Laser Targeting Designator**	A			6,600			2,500
TOTAL PROGRAM				129,750			57,142
Comments							
*Integrated Logistics Support includes Spares.							
** FY99 Kosovo Supplemental funded four laser targeting designators.							

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27										PREDATOR UAV	
Weapon System										Subline Item	
PRED											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY 1998											
GCS/General Atomics ASI	2		ASC/RAKB		SS	FPI	General Atomics	Mar-98	Mar-00	Yes	
A/V/General Atomics ASI	16		ASC/RAKB		SS	FPI	General Atomics	Mar-98	Sep-99	Yes	
SAR/Northrup Grumman	27		CECOM		SS	FFP	Northrup Grumman	Jan-98	Sep-99	Yes	
PPSL/L-3 Comm	4		WR-LRC		SS	FFP	L-3 Comm	Feb-99	Oct-99	Yes	
FY 1999											
GCS/General Atomics ASI	1		ASC/RAKB		SS	FPI	General Atomics	Aug-99	Jan-01	Yes	
A/V/General Atomics ASI	11		ASC/RAKB		SS	FPI	General Atomics	Aug-99	Nov-00	Yes	
SAR/Northrup Grumman	24		CECOM		SS	FFP	Northrup Grumman	May-99	Feb-01	Yes	
PPSL/L-3 Comm	2		WR-LRC		SS	FFP	L-3 Comm	Feb-99	Dec-99	Yes	
LTD/Raytheon	4		NAVY		MIPR	Navy	Raytheon	Apr-99	Apr-99	Yes	
FY 2000											
GCS/General Atomics ASI	1		ASC/RAKB		SS	FPI	General Atomics	Dec-99	Nov-01	Yes	
A/V/General Atomics ASI	8		ASC/RAKB		SS	FPI	General Atomics	Dec-99	Oct-01	Yes	
FY 2001											
A/V/General Atomics ASI	7		ASC/RAKB		SS	FFP	General Atomics	Dec-00	Jun-02	Yes	
FY 2002											
A/V/General Atomics ASI	6		ASC/RAKB		SS	FFP	General Atomics	Dec-01	Jan-03	Yes	
FY 2003											

P-1 Shopping List Item No. 27

Procurement History and Planning
Exhibit P-5A, page 3 of 8

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27										PREDATOR UAV	
Weapon System											
Subline Item Continued											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
A/V/General Atomics ASI	8		ASC/RAKB		SS	FFP	General Atomics	Dec-02	Nov-03	Yes	
FY 2004											
A/V/General Atomics ASI	8		ASC/RAKB		SS	FFP	General Atomics	Dec-03	Nov-04	Yes	
FY 2005											
A/V/General Atomics ASI	8		ASC/RAKB		SS	FFP	General Atomics	Dec-04	Nov-05	Yes	
Remarks											
<p>1. A system is comprised of four air vehicles, one Ground Control Station (GCS), and one PPSL. PPSL will be procured separately under a contract with L-3 Comm. The SAR will be procured separately under a contract with Northrup Grumman (3 SARs per system).</p> <p>2. The FY98, FY99 and FY00 procurements include attrition air vehicles as well as system air vehicles.</p>											
P-1 Shopping List Item No. 27										Procurement History and Planning	
										Exhibit P-5A, page 4 of 8	

UNCLASSIFIED

Exhibit P-21, Production Schedule

Appropriation (Treasury) Code/CC/BABA/BSA/Item Control Number
PREDATOR UAV

Date: February 2000

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. TO 1 OCT 1998	BALANCE DUE AS OF 1 OCT 1998	FISCAL YEAR 1998				FISCAL YEAR 1999				FISCAL YEAR 2000				L A T E R		
					O	N	C	T	O	N	C	T	O	N	C	T			
					D	E	C	V	D	E	C	V	D	E	C	V			
					J	A	M	F	J	A	M	F	J	A	M	F			
FY 1998																			
GCS/General Atomics		2	0	2															0
A/V/General Atomics		16	0	16															0
SAR/Northrup Grumman		27	0	27															8
PPS/L-3 Conn		4	0	4															0
FY 1999																			0
GCS/General Atomics		1	0	1															1
A/V/General Atomics		11	0	11															8
SAR/Northrup Grumman		24	0	24															24
PPS/L-3 Conn		2	0	2															0
LTD/Raytheon		4	0	4															0
FY 2000																			0
GCS/General Atomics		1	0	1															1
A/V/General Atomics		8	0	8															8
FY 2001																			7
A/V/General Atomics		7	0	7															7
FY 2002																			6
A/V/General Atomics		6	0	6															6
FY 2003																			8
A/V/General Atomics		8	0	8															8
FY 2004																			8
A/V/General Atomics		8	0	8															8
FY 2005																			8
A/V/General Atomics		8	0	8															8
TOTAL																			

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED		PROCUREMENT LEAD TIME				TOTAL AFTER 1 OCT
		MIN	SHIFT	M	D+		ADMIN		MFG		
		SUST	HOURS	A			PRIOR	AFTER	TIME		
PPS/L-3 Conn	Salt Lake City, UT		1-8-5	4	X			6	1	14	20
SAR/Northrup Grumman	Baltimore, MD	7	1-8-5	27				6	1	14	15
A/V/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	18				6	1	14	15
GCS/General Atomics ASI	Rancho Bernardo, CA	1	1-8-5	27				6	1	14	15
LTD/Raytheon	Fort Worth, TX		N/A	N/A				6	1	14	15

REMARKS

- Systems-A system is comprised of four air vehicles, one Ground Control Station (GCS), one PPSL and three SARs. SARs will be procured separately under a contract with Northrup Grumman. PPSL will be procured separately under a contract with L-3 Conn.
- SAR-Three SAR per four air vehicles. Life-time buy of SAR due to DMS issue. (Level A/C buys).
- Air Vehicle represented include system and/or attrition air vehicles.
- Minimum air vehicle sustaining production rate is seven air vehicles per 12 month period.
- Maximum production rate is 1.5 air vehicles per month; 18 per year.

P-1 Shopping List Item No. 27

Production Schedule

Exhibit P-21, page 5 of 8

UNCLASSIFIED PAGE 4 - 59

UNCLASSIFIED

Exhibit P-21 (2), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27

P-1 Line Item Nomenclature

PREDATOR UAV

Date: February 2000

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCR. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	FISCAL YEAR 2001												FISCAL YEAR 2002											
					2000						CALENDAR YEAR 2001						CALENDAR YEAR 2002						L A T E R					
					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
					2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
FY 1998																												
GCS/General Atomics		2	2	0																								
A/V/General Atomics		16	16	0																								
SAR/Northrup Grumman		27	19	8	2	2	2																					
PPSL/L-3 Comm		4	4	0																								
FY 1999																												
GCS/General Atomics		1	0	1																								
A/V/General Atomics		11	0	11																								
SAR/Northrup Grumman		24	0	24																								
PPSL/L-3 Comm		2	2	0																								
LTD/Raytheon		4	4	0																								
FY 2000																												
GCS/General Atomics		1	0	1																								
A/V/General Atomics		8	0	8																								
FY 2001																												
A/V/General Atomics		7	0	7																								
FY 2002																												
A/V/General Atomics		6	0	6																								
FY 2003																												
A/V/General Atomics		8	0	8																								
FY 2004																												
A/V/General Atomics		8	0	8																								
FY 2005																												
A/V/General Atomics		8	0	8																								
TOTAL																												

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			REACHED D+	PRODUCTION LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT
		MIN	SHIFT	M		PRIOR 1 OCT	AFTER 1 OCT		
		SUST	HOURS	A					
PPSL/L-3 Comm	Salt Lake City, UT			4					
SAR/Northrup Grumman	Baltimore, MD	7	1-8-5	27					
A/V/General Atomics ASI	Rancho Bernardo, CA	1	1-8-5	18					
GCS/General Atomics ASI	Rancho Bernardo, CA	1	1-8-5	27					
LTD/Raytheon	Fort Worth, TX			N/A					

1. Systems-A system is comprised of four air vehicles, one Ground Control Station (GCS), one PPSL and three SARs. SARs will be procured separately under a contract with Northrup Grumman. PPSL will be procured separately under a contract with L-3 Comm.

2. SAR-Three SAR per four air vehicles. Life-time buy of SAR due to DMS issue. (Level A/C buys).

3. Air Vehicle represented include system and/or attrition air vehicles.

4. Minimum air vehicle sustaining production rate is seven air vehicles per 12 month period.

5. Maximum production rate is 1.5 air vehicles per month; 18 per year.

P-1 Shopping List Item No. 27

Production Schedule
Exhibit P-21 (2), page 6 of 8

UNCLASSIFIED

Date: February 2000

Exhibit P-21 (4), Production Schedule

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 27

PREDATOR UAV

ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2004	BALANCE DUE AS OF 1 OCT 2004	FISCAL YEAR 2005												FISCAL YEAR 2006														
					2004			2005			2006			2007			2008			2009			2010								
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
					C	O	E	A	E	A	P	A	U	U	U	U	S	E	C	O	N	D	J	F	M	A	M	J	J	A	S
					T	V	C	N	B	R	R	Y	N	U	U	U	P	P	T	O	V	C	A	N	B	A	R	Y	U	U	U
FY 1998																															
GCS/General Atomics		2	2	0																											
A/V/General Atomics		16	16	0																											
SAR/Northrup Grumman		27	27	0																											
PSSL/L-3 Comm		4	4	0																											
FY 1999																															
GCS/General Atomics		1	1	0																											
A/V/General Atomics		7	7	0																											
SAR/Northrup Grumman		24	24	0																											
PSSL/L-3 Comm		2	2	0																											
LTD/Raytheon		4	4	0																											
FY 2000																															
GCS/General Atomics		1	1	0																											
A/V/General Atomics		8	8	0																											
FY 2001																															
A/V/General Atomics		7	7	0																											
FY 2002																															
A/V/General Atomics		6	6	0																											
FY 2003																															
A/V/General Atomics		8	8	0																											
FY 2004																															
A/V/General Atomics		8	8	0																											
FY 2005																															
A/V/General Atomics		8	8	0																											
TOTAL																															

MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES		REACHED		INITIAL		REORDER		MFG TIME		TOTAL AFTER 1 OCT	
		MIN	MAX	DAYS	HOURS	DAYS	HOURS	1 OCT	AFTER 1 OCT	1 OCT	AFTER 1 OCT	1 OCT	AFTER 1 OCT
PSSL/L-3 Comm	Salt Lake City, UT	1	8	18-5	4			6	1	14	14	20	15
SAR/Northrup Grumman	Baltimore, MD	7	27	18-5	18			1	1	14	14	15	15
A/V/General Atomics ASI	Rancho Bernardo, CA	1	27	18-5	27								
GCS/General Atomics ASI	Rancho Bernardo, CA	1	27	18-5	27								
LTD/Raytheon	Fort Worth, TX		N/A										

REMARKS
 1. Systems-A system is comprised of four air vehicles, one Ground Control Station (GCS), one PSSL and three SARs. SARs will be procured separately under a contract with Northrup Grumman. PSSL will be procured separately under a contract with L-3 Comm.
 2. SAR-Three SAR per four air vehicles. Life-time buy of SAR due to DMS issue. (Level A/C buys).
 3. Air Vehicle represented include system and/or attrition air vehicles.
 4. Minimum air vehicle sustaining production rate is seven air vehicles per 12 month period.
 5. Maximum production rate is 1.5 air vehicles per month; 18 per year.

P-1 Shopping List Item No. 27

Production Schedule
 Exhibit P-21 (4), page 8 of 8

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 06 – AIRCRAFT SPARES AND REPAIR PARTS
FEBRUARY 2000**

UNCLASSIFIED PAGE 6 - 0

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:					Total			
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		FY 2004	FY 2005	
Proc Qty	A										
Total Proc Cost (\$ M)		512.938	441.221	356.856	350.295	349.336	316.895	293.279			2620.820

DESCRIPTION

Aircraft Initial Spares (Budget Program 160000):

FY 2001 Program Justification MISSION AND DESCRIPTION

Program Definition: Aircraft Initial Spares (Budget Program 160000):

This program finances whole spare engines and modules and reparable investment items including some items being newly introduced to the Air Force Inventory. Beginning in FY94, most initial spares were procured through the Working Capital Funds (WCF). When the spares are delivered, this central procurement account will reimburse WCF. The effect of this change was a shift of funds to the right, which may give the appearance of ramping requirements. However, it is important to note that this means that the funds budgeted in FY00 and FY01, for example, largely represent the payments for obligations already incurred by the WCF, and is really a shift in financing strategy. Initial spares are funded in the two program segments described below.

Working Capital Funds (WCF) Spares.

This program finances the initial pipeline or inventory for all new weapon system spares, which includes modifications, support equipment, consumables, Readiness Spares Package (RSP), New Acquisition Spares (NAS), and other production spares.

Exempt Spares.

This program finances spares that are not purchased through the WCF. The budget authority is a direct cite on the contract. Examples include whole spare engines, quick engine change (QEC) kits, Contractor Logistic Support (CLS), simulators/trainers, munitions, and classified spares.

FY 01 Program Justification:

In FY00 thru FY05, initial spares for the Reengineered Supply Support Process (RSSP) three aircraft pilot programs (C-130J, C-17, & F-22) are funded under BP-10; therefore, aircraft spares decreased. The E-8, E-3, B-2, F-16, B-1, Manned Reconnaissance System and initial spares for aircraft modification programs continue to make up the bulk of the budget request.

UNCLASSIFIED

Date: February 2000

Exhibit P-5, Weapon System Cost Analysis

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts

Manufacturer's Name/Plant City/State Location

Subline Item

Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars											
		FY 1999			FY 2000			FY 2001			Total Cost		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost			
Avionics	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A												
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
FLYAWAY COST SUBTOTAL	A												
Airframe Peculiar Ground Support Equipment (PGSE)	A												
Engine PGSE	A												
Peculiar Training Equipment	A												
Publications/Technical Data	A												
ECOs	A												
Other	A												
SUPPORT COST SUBTOTAL	A												
INITIAL SPARES (Budget Program 16)	A			512.938						441.221			356.856
TOTAL PROGRAM													

Comments

UNCLASSIFIED

Date: February 2000

Exhibit P-18A, Initial Spare Funding Summary

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts

Initial Spare Funding Summary		Initial Spare Funding Summary						
P-I LINE	END ITEM NOMENCLATURE	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002		
1	B-52 Squadron	0.152	1.122	1.111	5.328	1.944		
2	B-1 Squadrons	16.344	24.345	32.187	14.628	4.571		
3	B-2 Squadrons	12.912	54.312	60.841	37.298	34.188		
4	ICBM Helicopter Support	0.094	0.000	0.000	0.000	0.000		
5	F-15A/B/C/D Squadrons	7.398	57.940	26.017	21.479	6.784		
6	A-10 Squadrons	0.366	1.925	3.754	0.555	0.893		
7	F-16 Squadrons	12.413	17.519	69.863	89.405	69.324		
8	F-15 E Squadrons	1.702	4.191	28.353	22.215	14.674		
9	F-117A Squadrons	0.176	0.476	0.000	0.000	0.000		
10	Low Observables Test Equipment	0.000	0.000	0.000	0.000	0.011		
11	Podded Reconnaissance System	0.000	0.000	0.000	0.000	0.000		
12	F-22	0.000	24.937	0.000	0.000	0.000		
13	Combat Rescue and Recovery	0.000	4.756	3.072	1.190	1.334		
14	Precision Attack Systems (LANTIRN)	0.015	0.050	1.513	2.191	1.182		
15	COMPASS CALL	7.138	1.658	8.318	8.587	12.246		
16	Airborne Warning and Control Systems (AWACS)	6.515	3.298	40.717	8.404	11.052		
17	Airborne Battlefield Command Control Center	0.186	0.692	0.509	0.488	0.486		
18	Advanced Communications Systems	0.000	0.451	0.363	0.000	0.000		
19	Combat Training Range Equipment	0.000	0.037	0.265	1.256	1.368		
20	Common Electronic Countermeasures	0.000	0.000	0.000	0.717	0.000		
21	JOINT STARS	35.292	66.835	73.685	28.824	9.546		
22	Combat Development	0.000	0.000	0.000	0.118	0.121		
23	E-4B National Airborne Operations Center	0.501	0.841	0.717	1.160	1.113		
24	MILSATCOM Terminals	0.039	4.303	4.566	1.874	0.609		
25	Aerial Targets	0.000	0.000	0.885	0.610	0.729		
26	NAVSTAR Global Positioning System (User Eq)	0.045	0.331	0.000	0.000	0.000		
27	Manned Reconnaissance System	16.455	40.665	40.772	56.808	60.497		
28	C-130 Airlift Squadrons	11.121	10.178	2.054	0.000	1.883		
29	C-141 Airlift Squadrons	1.953	0.000	0.000	0.000	0.000		
30	C-5 Airlift Squadrons	2.503	2.661	2.448	11.458	26.816		
31	C-17 Aircraft	125.867	110.952	0.000	0.000	0.000		
32	C-130J Program	3.415	60.674	0.000	0.000	0.000		
33	Airlift Mission Activities	0.686	0.951	0.287	0.000	0.000		

Initial Spare Funding Summary

Exhibit P-18A, page 3 of 5

UNCLASSIFIED

Exhibit P-18A, Initial Spare Funding Summary							Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							
Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts							
P-I LINE	END ITEM NOMENCLATURE	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	
34	KC-135S	5.820	3.248	31.401	8.799	7.545	
35	KC-10S	1.567	1.426	1.674	2.344	0.544	
36	Operational Support Airlift	0.697	0.095	5.404	3.413	3.404	
37	CV-22	0.000	0.000	0.000	16.960	68.244	
38	Training	0.000	0.000	0.000	1.540	0.401	
39	Special Operations Forces	0.000	7.853	0.000	0.000	0.000	
40	Aerospace Rescue and Recovery	2.242	1.132	0.000	0.000	0.000	
41	Training Aircraft (ANG)	0.000	0.000	0.001	0.001	0.000	
42	F-16 Squadrons (AFR)	0.000	0.000	0.000	0.001	0.000	
43	Tactical Cryptological Units (ANG)	0.882	0.884	0.000	0.000	0.000	
44	Depot Maintenance (NON-IF)	0.000	2.057	0.396	0.073	0.000	
45	Logistics Operations (Non-DBOF)	0.273	0.000	0.000	0.000	0.000	
46	New AETC Aircraft System	0.000	0.027	0.000	0.000	0.000	
47	Undergraduate Pilot Training	0.000	0.000	0.000	8.284	7.892	
48	Undergraduate Navigator / NRO TNG	0.713	0.116	0.048	0.049	0.049	
49	EURO-NATO Joint Jet Pilot Training	0.000	0.000	0.000	0.019	0.018	
	TOTAL INITIAL SPARES	275.482	512.938	441.221	356.076	349.468	

Initial Spare Funding Summary
Exhibit P-18A, page 4 of 5

UNCLASSIFIED

Exhibit P-18A, Initial Spare Funding							Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							
Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts							
Initial Spare Funding							
P-1 LINE	END ITEM NOMENCLATURE	FY 1998	FY 1999	FY 2000	FY 2001	FY 2002	
	WCF SPARES	203.384	320.693	249.609	207.686	154.504	
	EXEMPT SPARES	72.098	192.245	191.612	148.390	194.964	
	TOTAL INITIAL SPARES	275.482	512.938	441.221	356.076	349.468	

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

FY 01 AMENDED BUDGET REQUEST
BUDGET ACTIVITY 07 – AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES
FEBRUARY 2000

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BP 12 - COMMON SUPPORT EQUIPMENT**

FEBRUARY 2000

UNCLASSIFIED

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) (OVERVIEW)					
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY							
COST (in Thousands)	\$156,119	\$175,350	\$177,943	\$189,520	\$157,956	\$191,153	\$192,068
Description:							
<p>1. This program (previously called Common Support Equipment) provides funding for the procurement of replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), directly support aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. Items being replaced typically range in age from 10 to 30 years old. As a result, this equipment suffers frequent failures, cannot be economically repaired, and requires spare parts which are no longer available. Many items have become technologically obsolete or must be replaced due to environmental operating constraints. Items of equipment budgeted within this program include: avionics test stations, air conditioners, munitions handling equipment, jet engine test stands, electronic test sets, maintenance platforms, and automatic test equipment. These items support multiple Air Force weapon systems.</p> <p>2. FY00 funding increased from the FY00/01 President's Budget in accordance with FY00 Appropriation Conference Report (106-371), page 191, dated 8 Oct 1999 wherein Congress added funds for Common Support Equipment. Additionally, some funds (\$1.3 million) were added through FY99 Emergency Supplemental Appropriations and transferred to the Air Force in FY00 from the Overseas Contingency Operations Transfer Fund.</p> <p>3. Items requested in FY01 are identified on the attached P-40a and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support Air Force mission requirements.</p>							
P-1 ITEM NO: 66		PAGE NO: 7 - 1		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) (OVERVIEW)					
PROCUREMENT ITEMS	ID CODE	FY1999		FY2000		FY2001	
		QTY.	COST	QTY.	COST	QTY.	COST
1. AIR CONDITIONER, PD-501	A			22	\$6,382		
2. MOBILE AIRBORNE FIRE FIGHTING SYSTEM (MAFFS)	A			5	\$6,000	3	\$3,500
3. LANTIRN SUPPORT AND BOMB DAMAGE ASSESSMENT	A						\$5,300
4. MAINTENANCE PLATFORM HIGH REACH	A			16	\$8,582	11	\$6,077
5. 305 RADIO TEST STATION	A			20	\$6,450	15	\$7,450
6. 405 TRANSPORTABLE RADIO TEST STATION	A			28	\$8,750	15	\$7,450
7. ELECTRONIC SYSTEM TEST STATION (ESTS)	A				\$19,900		\$20,025
8. SELF GENERATING NITROGEN SERVICING CART (SGNSC)	A			2	\$635	209	\$7,152
9. COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)	A				\$500	270	\$8,092
10. JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)	A					54	\$17,247
11. ITEMS LESS THAN \$5 MILLION	A				\$98,920		\$110,304
Totals:					\$156,119		\$175,350
Remarks:							

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: MAINTENANCE PLATFORM, HIGH REACH						
QUANTITY	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
COST (in Thousands)	\$8,582	\$6,077	\$5,690	\$14,064	\$8,450	\$1,243	\$1,281

Description:

1. The High Reach Maintenance Platform is a completely self-contained, hydraulically operated unit mounted on a truck type carrier. The aerial lift consists of a turret, inner and outer columns, and an inner/outer boom and platform. The inner/outer boom and platform form an integrated mechanical structure capable of transporting up to 1500 pounds through an extensive range of vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 feet and has a maximum horizontal reach of 60 feet. The High Reach Maintenance Platform enables maintenance personnel to safely work on, remove, and install stabilizers on the C-5 and C-17 aircraft. It also provides a service platform for deicing large aircraft. Lessons learned during Operation Allied Force have resulted in increased requirements for this maintenance platform to support real-world contingencies.
2. Failure to procure this High Reach Maintenance Platform will severely impact mission readiness for the C-5 and C-17 aircraft. Lack of this equipment will suspend maintenance actions and prevent critical inspection procedures for these large transport aircraft due to inaccessibility of the tail sections. The only work-around currently identified borrowing another high reach platform from a different base lacks practicality under contingency operations and may increase aircraft nonavailability to unacceptable levels for mission requirements.
3. Type Item: A

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)		DATE: FEBRUARY 2000							
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: MAINTENANCE PLATFORM, HIGH REACH								
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MAINTENANCE PLATFORM, HIGH REACH									
FY99 (1)	16	536,359	AFMC/SA-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP, WACO, TX (4)	FEB 99	JUN 99		
FY00 (2)	11	552,450	AFMC/SA-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP, WACO, TX	FEB 00	MAY 00	Y	
FY01 (3)	10	569,024	AFMC/SA-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP, WACO, TX	NOV 00	MAR 01	Y	
<p>REMARKS:</p> <ol style="list-style-type: none"> 1. FY99 unit cost decreased in accordance with DLA adjustments for escalation enabling the Air Force to increase procurement quantities. 2. FY00 projected unit cost based on adjusted FY99 DLA contract award. FY00 buy will be adjusted to maximize quantities toward Air Force inventory objective. 3. FY01 unit cost based on adjusted FY99 unit cost. 4. Calavar, Waco, TX, changed its' name to Time Condor Corp, Waco, TX. 									

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000	
APPROP CODE/BA:	P-1 NOMENCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	305 RADIO TEST STATION		
QUANTITY	FY1999	FY2000	FY2001
COST (in Thousands)	\$6,450	\$7,450	\$7,450
		FY2002	FY2003
			FY2004
			FY2005
		\$0	\$0
		\$0	\$0
		\$0	\$0

Description:

- The 305 Radio Test Station, also known as the Radio Frequency Benchtop Reconfigurable Automatic Tester (RF BRAT), is a flexible test system based on an open architecture of commercial equipment in a modular design used to support E-3B/C aircraft. It can also be used as general purpose test equipment (GPTE). The test equipment consists of a systems controller, controller operational software, power source, RF modules, Analog/Digital modules and Test Program Sets (TPSS). This acquisition will provide a standard commercial test system for 78 different E-3 Airborne Warning & Control System (AWACS) Line Replaceable Units (LRUs)/Shop Replaceable Units (SRUs). It replaces 14 different testers, allowing interchangeability of tester hardware between maintenance shops. This interchangeability will reduce work stoppages and eliminate proliferation of support equipment, greatly reducing logistics support requirements and costs. The TPSs automatically diagnose and troubleshoot failures in E-3B/C LRUs and SRUs. A TPS consists of test software, Interface Test Adapter (ITA), and cables used to connect the ITA to the item under test. Programming is done through a graphical environment, facilitating operator use/training.
- Failure to fund this program would greatly impair E-3B/C aircraft mission readiness. Incorporation of state-of-the-art TPSs facilitates reductions in testing time and maintenance costs while increasing the aircraft mission capable (MC) rates. Prior year funds procured 305 Radio Test Stations hardware requirements. FY99-01 funding continues support for this test station by procuring software requirements and funding essential integration support activities.
- Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO:
66

PAGE NO:
7-5

Page 1 of 1

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)				DATE: FEBRUARY 2000						
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: 305 RADIO TEST STATION						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
305 RADIO TEST STATION	A									
TEST PROGRAM SETS (TPS)			20	250,000	15	350,000	5,250	15	350,000	5,250
INDEPENDENT VALIDATION & VERIFICATION (IV & V)				500			500			500
PROGRAM SUPPORT							250			250
INTERIM CONTRACT SUPPORT (ICS)							750			750
DATA							700			700
TOTALS:				6,450			7,450			7,450
REMARKS:										
				PAGE NO: 7-6						
				P-1 ITEM NO: 66			Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROF CODE/BA:	P-1 NOMENCLATURE:						
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	405 TRANSPORTABLE RADIO TEST STATION						
QUANTITY	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
COST (in Thousands)	\$8,750	\$7,450	\$7,450	\$0	\$0	\$0	\$0
Description:							
<p>1. The 405 Transportable Radio Test Station, also known as the Radio Frequency Transportable Benchtop Reconfigurable Automatic Tester (RF T-BRAT), is a flexible test system, based on an open architecture of commercial equipment in a modular design used to support E-3B/C aircraft. It can also be used as general purpose test equipment (GPTE). The interface provides universal analog, dynamic and static digital test points, three phase facility power routing, and dedicated radio frequency paths which reduce the number and complexity of Interface Test Adapter (ITAs). The test equipment consists of, but is not limited to, systems controller, controller operational software, power source, RF modules, Analog/Digital modules and Test Program Sets (TPSs). This procurement provides a transportable standard commercial test system for 78 different E-3 Airborne Warning & Control Systems (AWACS) Line Replaceable Units (LRUs)/Shop Replaceable Units (SRUs). It replaces 14 different existing testers, allowing interchangeability of tester hardware between maintenance shops. This interchangeability reduces work stoppages, eliminates proliferation of support equipment and reduces overall logistics support requirements and costs. The TPSs diagnose and troubleshoot failures in LRUs and SRUs in the E-3B/C while the aircraft is in a deployed environment. A TPS consists of test software, Interface Test Adapter (ITA), and cables used to connect the ITA to the item being tested. Programming is done through a graphical facilitating operator use/training.</p> <p>2. Failure to fund this program would greatly impair the E-3B/C aircraft mission readiness. Incorporation of state-of-the-art TPSs facilitate reductions in testing time and maintenance costs while increasing the aircraft mission capable (MC) rates. Prior year funds procured 405 Radio Test Stations hardware requirements. FY99-01 funding continues support for this test station by procuring software requirements and funding essential integration support activities.</p>							
P-1 ITEM NO: 66		PAGE NO: 7-7		Page 1 of 2			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: 405 TRANSPORTABLE RADIO TEST STATION	
Description (cont.): 3. Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.		
P-1 ITEM NO: 66	PAGE NO: 7-8	Page 2 of 2

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)				DATE: FEBRUARY 2000						
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: 405 TRANSPORTABLE RADIO TEST STATION						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
405 TRANSPORTABLE RADIO TEST STATION	A									
DATA				700			700			700
TEST PROGRAM SETS (TPS)				28	250,000	7,000	15	350,000	15	5,250
INTERIM CONTRACT SUPPORT (ICS)						250				750
INDEPENDENT VALIDATION & VERIFICATION (IV&V)						500				500
PROGRAM SUPPORT										250
TEST/ENGR SUPPORT						300				
TOTALS:						8,750				7,450
REMARKS:										

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000	
APPROP CODE/BA:	P-1 NOMENCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	ELECTRONIC SYSTEM TEST STATION (ESTS)		
	FY1999	FY2000	FY2001
QUANTITY			
COST (in Thousands)	\$19,900	\$20,025	\$22,525
		\$11,525	\$5,000
			\$5,000
			\$5,000
Description:			
<p>1. The Electronic System Test Station (ESTS) is a mobile test station comprised of multiple electronic components which will perform parametric testing for trouble shooting and repair of F-15 Line Replaceable Units (LRUs). While providing ambient air cooling to the LRU Unit Under Test (UUT), the ESTS evaluates the overall performance of the system and subsystems for the F-15 antenna, fire control and telemetering systems. Test Program Sets (TPSs) consist of software, interface test adapters, documentation and cables required as an interface between the ESTS and the aircraft LRUs. The ESTS has been designed as a stand alone system requiring one pallet to deploy in lieu of the 22 pallets required by the current Avionics Intermediate Shop (AIS) it replaces, while offering increased reliability, maintainability and reduced test cycle times. The existing F-15 AIS (developed in the early 1970s) contains obsolete electronic components and has become increasingly unsupportable. The ESTS supports the following Air Force aircraft: F/TF-15 A/B/C/D/E.</p> <p>2. Failure to fund the ESTS program will hamper the F-15's ability to sustain required rate of sortie operations due to the backlog of failed aircraft systems requiring testing and repair. The older AIS test stations cannot accommodate existing workloads under sustained high operational tempo or deployed conditions. Air Combat Command's requirement for a truly mobile tester to meet Expeditionary Air Force requirements cannot be met by modifying the AIS, which has become technologically outdated and virtually impossible to deploy. Prior year funds procured Electronic System Test Stations hardware requirements. FY99-01 funding continues support for this test station by procuring software requirements and funding essential integration support activities.</p> <p>3. Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution</p>			
P-1 ITEM NO: 66	PAGE NO: 7 - 10	Page 1 of 2	

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ELECTRONIC SYSTEM TEST STATION (ESTS)	
Description (cont.): may change based on critical equipment needed to support current Air Force mission requirements.		
P-1 ITEM NO: 66	PAGE NO: 7-11	Page 2 of 2

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)		DATE: FEBRUARY 2000								
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: ELECTRONIC SYSTEM TEST STATION (ESTS)								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
ELECTRONIC SYSTEM TEST STATION (ESTS)	A									
INTERFACE TEST ADAPTERS (ITA)					80	166600	13,328			
ITA HARDWARE RETROFIT (1)				3,255						
INTERIM CONTRACTOR SUPPORT (ICS) (2)				12,959			4,697			8,245
TPS PRODUCTION UPDATE (3)				125						
Y2K SYSTEM CONTROLLERS				1,438						
GOVERNMENT FURNISHED EQUIPMENT REPAIR / REFURBISH (4)				2026			2,000			2,598
ADVISORY AND ASSISTANCE SERVICES				97						
RADIO LINE REPLACEABLE UNITS (LRU) TPS (5)								40	292050	11,682
TOTALS:				19,900			20,025			22,525

REMARKS:

1. Upgrading of developmental ITAs to production configuration.
2. Interim Contractor Support provides for the following: Inclusive maintenance support to include purchase of a material augmentation package to allow for quick turnaround of parts, tech orders, deficiency reports, and configuration management.
3. Upgrade two Qualification Test and Evaluation (QT&E) ITA sets from pre-production configuration to production configuration.
4. Repair/refurbish GFE failures during testing.
5. Unit cost for Radio LRU TPS based on contractor engineering estimate.

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000	
APPROP CODE/BA:		P-1 NOMENCLATURE:	
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		SELF-GENERATING NITROGEN SERVICING CART (SGNSC)	
QUANTITY	FY1999	FY2000	FY2001
COST (in Thousands)	\$635	\$7,152	\$12,038
		\$12,434	\$12,811
			\$5,425
			\$0

Description:

- The Self-Generating Nitrogen Servicing Cart (SGNSC) is a self-contained, diesel engine powered, four wheel, towable cart weighing less than 4,000 pounds. It produces gaseous nitrogen through use of a plastic fiber membrane that separates pure nitrogen from ambient compressed air. The SGNSC will be used throughout the Air Force to service aircraft tires, struts, and accumulators. The unit replaces three unreliable and obsolete systems: (1) the liquid nitrogen servicing cart, (2) six and eight bottle nitrogen servicing carts, and (3) an air compressor. The SGNSC will be rapidly deployable to support expeditionary operations and capable of supporting aircraft under remote, austere basing conditions. The SGNSC will provide significant improvements to logistics supportability and personnel safety by eliminating the need to store and transport liquid nitrogen. All major USAF aircraft weapon systems are supported by the SGNSC: A-10, B-1B, B-2, B-52, C-5, C-17, C-20, C-130, C-135, C-141, E-8, EC-3A, F-15, F-16, F-117, T-37, T-38, and T-39.
- Failure to procure the SGNSC would result in Air Force dependence on unreliable, obsolete systems and fail to provide essential technological improvements key to supporting forward basing and rapid deployment under the Air Expeditionary Force concept. The SGNSC will be more efficient, safe, maintainable, and cost effective than the present systems for servicing Air Force aircraft. Currently, servicing carts must be filled with liquid nitrogen supplied by either a cryogenic plant or through contract services and then converted to gaseous nitrogen in the servicing cart -- a hazardous and time consuming operation. Nonavailability of the required quantities of liquid nitrogen in the local area of a deployment forces the Air Force to ship and store 400 gallon liquid nitrogen storage tanks. Utilizing the SGNSC will reduce manhours required for nitrogen servicing and decrease the deployment footprint for aircraft squadrons, which has become critical to current peacetime and wartime missions.

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: SELF-GENERATING NITROGEN SERVICING CART (SGNSC)	
Description (cont.): 3. FY00 funding increased from FY00/01 President's Budget in accordance with FY00 Appropriation Conference Report (106-371), dated 8 Oct 1999 wherein Congress increased funding for the SGNSC. 4. Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.		
P-1 ITEM NO: 66	PAGE NO: 7 - 14	Page 2 of 2

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)				DATE: FEBRUARY 2000						
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: SELF-GENERATING NITROGEN SERVICING CART (SGNSC)						
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
SGNSC	A				209	34,220	7,152	360	33,440	12,038
FIRST ARTICLE UNITS	A			489						
TECHNICAL MANUALS				244,304						
TRAINING (TYPE I)				60						
PROVISIONING DATA				46						
TOTALS:				635			7,152			12,038
REMARKS:										

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)		DATE: FEBRUARY 2000							
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: SELF-GENERATING NITROGEN SERVICING CART (SGNSC)							
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
SGNSC									
FY99 FIRST ARTICLE UNITS	2	244,304	AFMC/SA-ALC	C/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA	OCT 98	FEB 00		
FY00	209	34,220	AFMC/SA-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA	FEB 00	APR 00	Y	
FY01	360	33,440	AFMC/SA-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA	DEC 00	FEB 01	Y	
REMARKS:									
						PAGE NO: 7-16		Page 1 of 1	

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA:		P-1 NOMENCLATURE:					
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT					
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY							
COST (in Thousands)	\$500	\$8,092	\$5,266	\$7,259	\$7,311	\$7,480	\$7,173
Description:							
<p>1. The Common Aircraft Portable Reprogramming Equipment (CAPRE) replaces the Program Loader Verifier (PLV) and Digital Computer System (DCS). The CAPRE will be used on the flightline to reprogram software in aircraft computers, update threat data in electronic warfare pods, perform aircraft diagnostic troubleshooting, and support automated technical orders and related maintenance information systems. This equipment supports the following Air Force weapon systems: A-10, B-52, C-5, C-17, C-130, F-15, F-16, H-60, and MH-53.</p> <p>2. Modern combat missions rely on the rapid deployment of updated operational flight software and enemy threat information for reducing aircrew vulnerability and enhancing mission effectiveness. Current PLVs and DCSs are becoming increasingly unsupportable due to obsolescence of their internal components. Failure to procure the CAPRE will prevent essential loading of classified mission data onto the aircraft. Without the most current threat data, mission capability will be reduced and could result in the loss of aircraft and life. Maintenance capability will also be degraded, adversely affecting aircraft readiness.</p> <p>3. Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>							
P-1 ITEM NO: 66		PAGE NO: 7-17		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)		DATE: FEBRUARY 2000								
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999		FY2000		FY2001				
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
CAPRE	A				270	9,137	2,467	270	9,137	2,467
BID SAMPLE TESTING (1)				500						
TECHNICAL ORDER							55			55
AIRCRAFT ADAPTER GROUPS (AAG) (2)							5,289			2,273
DATA							29			11
INTERIM CONTRACTOR SUPPORT (ICS) (3)							252			460
TOTALS:				500			8,092			5,266

REMARKS:

1. This is a COTS item, but the government requires testing that exceeds the testing performed by the contractor, i.e. explosive atmosphere, flight line certification, etc. Contractor will also be responsible for developing a controlled database with all test results and aircraft reprogramming requirements.
2. Aircraft Adapter Groups (AAG) are required to interface the CAPRE and the weapons system being loaded.
3. Interim Contractor Support provides specified maintenance, technical and repair support.

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)					DATE: FEBRUARY 2000				
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT					
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
CAPRE									
FY00	270	9,137	AFMC/SA-ALC	MIPR/FFP	GSA/UNKNOWN	MAR 00	APR 00	Y	
FY01	270	9,137	AFMC/SA-ALC	MIPR/FFP	GSA/UNKNOWN	NOV 00	DEC 00	Y	
<p>REMARKS: FY99 contract awarded to Southwest Research Institute, San Antonio, TX, for bid sample testing only. The Air Force changed acquisition strategy from the FY00/01 President's Budget to select a contractor off the GSA schedule, hence the reduction in unit cost and delivery leadtimes. FY00 contract will be 3-year Requirements contract with 2 options.</p>									
P-1 ITEM NO: 66					PAGE NO: 7 - 19		Page 1 of 1		

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA:	P-1 NOMENCLATURE:						
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER						
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY							
COST (in Thousands)	\$0	\$0	\$17,247	\$31,205	\$0	\$0	\$0
Description:							
<p>1. The Joint Service Electronic Combat System Tester (JSECST) is a flightline end-to-end electronic combat system test set capable of verifying system status and providing malfunction diagnostics for Air Force and Navy aircraft. The JSECST will replace the Navy USM-406C/D tester, augment the Navy USM-482A tester, and fill a void in current Air Force electronic combat systems testing capability. Five prototypes currently in engineering manufacturing development (EMD) are being procured with RDT&E funds, documented in the Air Force Descriptive Summaries in PE 64270F. This tester supports the following Air Force aircraft: A-10, C-130, F-15 and F-16.</p> <p>2. The Combat Air Force considers the JSECST a top priority procurement item due to the increasing importance of aircraft electronic systems to ensuring aircraft combat effectiveness. Failure to procure the JSECST will leave field level units incapable of flightline electronic system test capability for combat aircraft, ultimately impacting readiness and sortie rate generation.</p> <p>3. Items requested in FY01 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>							
P-1 ITEM NO: 66		PAGE NO: 7 - 20		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)		DATE: FEBRUARY 2000								
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001		
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
JSECST	A							54	186,065	10,048
TEST PROGRAM SETS (TPS)										6,227
ENG CHANGE ORDERS (ECO)										972
TOTALS:										17,247
REMARKS: The Air Force and the Navy are buying the same core JSECST Test Sets; however, each service has specific Test Program Set (TPS) requirements.										

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)		DATE: FEBRUARY 2000							
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER							
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
JSECST									
FY01	54	186,065	AFMC/ASC	SS/FFP	AAI CORP, HUNT VALLEY, MD	APR 01	DEC 01	Y	
<p>REMARKS: First article testing is being accomplished on R&D EMD units. Based on the current acquisition plan, if the contractor, AAI Corp. meets a Production Price Commitment Curve (PPCC) established during award of the R&D contract, the Government will award a sole source production contract after Critical Design Review. A production award is scheduled for no later than Apr 01 with first delivery in Dec 01.</p>									
P-1 ITEM NO: 66				PAGE NO: 7 - 22		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000						
QUANTITY	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
COST (in Thousands)	\$98,920	\$110,304	\$100,277	\$80,897	\$76,946	\$70,700	\$76,250
Description:							
<p>1. The "Items Less Than \$5 Million" line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable, supportable equipment over the life of a weapon system, and consist of over 70,000 national stock numbers (NSNs) items as well as numerous items which are non-stocklisted (NSL).</p> <p>2. All items have an annual procurement value of less than \$5,000,000 and are designated Code A. Items requested in FY01 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support Air Force mission requirements.</p>							
P-1 ITEM NO: 66		PAGE NO: 7 - 23		Page 1 of 1			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)		DATE: FEBRUARY 2000	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000		
PROCUREMENT ITEMS	NSN	FY2001	
		QTY.	COST
MAJOR PROCUREMENTS			
MHU-63D/E LIFT TRUCK	1730014462422	64	\$4,561
C-5 ISOCHRONIC MAINTENANCE PLATFORM	1730001573976	1	\$3,955
UMS, DIESEL, SPLIT DECK MAINT PLATFORM	1730013704268	33	\$3,722
15 TON PNEUMATIC LIFTING BAG	5120012842611YZ	120	\$3,591
ENVIRONMENTAL CONTROL SYSTEM TEST SET	4920014242115FX	70	\$3,380
C-5 EMPANNAGE STAND	1730001583039	2	\$3,186
IDENTIFICATION FRIEND OR FOE INTERROGATOR/TRANSPONDER TEST SET (IFFITTS)	6625014584627	240	\$3,179
TRUCK MOUNTED DEICER	1730005556205	16	\$3,544
NEW GENERATION HEATER	NSL	200	\$2,368
MINOR PROCUREMENTS (GROUPED BY FEDERAL SUPPLY CLASS (FSC))			
FSC 1560 AIRCRAFT STRUCTURAL COMPONENTS			\$6
FSC 1670 PARACHUTES AND AERIAL PICKUP, DELIVERY, RECOVERY SYSTEMS AND CARGO TIEDOWN EQUIPMENT			\$94

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)		DATE: FEBRUARY 2000	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000		
PROCUREMENT ITEMS	NSN	QTY.	COST
			FY2001
		QTY.	COST
FSC 1680 MISCELLANEOUS AIRCRAFT ACCESSORIES AND COMPONENTS			\$285
FSC 1710 AIRCRAFT, ARRESTING, BARRIER AND BARRICADE EQUIPMENT			\$589
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT			\$21,242
FSC 1740 AIR FIELD SPECIALIZED TRUCKS AND TRAILERS			\$15
FSC 2330 TRAILERS			\$41
FSC 3655 GAS GENERATING AND DISPENSING SYSTEMS, FIXED OR MOBILE			\$928
FSC 3940 BLOCKS, TACKLE, RIGGING AND SLINGS			\$1
FSC 3950 WINCHES, HOISTS, CRANES AND DERRICKS			\$155
FSC 4110 REFRIGERATION EQUIPMENT			\$17
FSC 4120 AIR CONDITIONING EQUIPMENT			\$2
FSC 4310 COMPRESSORS AND VACUUM PUMPS			\$700
FSC 4320 POWER AND HAND PUMPS			\$25
FSC 4520 SPACE HEATING EQUIPMENT AND DOMESTIC WATER HEATERS			\$245
FSC 4720 HOSE AND TUBING, FLEXIBLE			\$3
FSC 4910 MOTOR VEHICLE MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIPMENT			\$50
FSC 4920 AIRCRAFT MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIPMENT, EXCEPT AIRBORNE ELECTRONICS			\$20,201
FSC 4930 LUBRICATION AND FUEL DISPENSING EQUIPMENT			\$143

P-1 ITEM NO:
66

PAGE NO:
7 - 25

Page 2 of 4

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)		DATE: FEBRUARY 2000	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000		
PROCUREMENT ITEMS	NSN	QTY.	COST
			FY2001
			QTY.
			COST
FSC 4933 WEAPONS MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIPMENT			\$51
FSC 4940 MISCELLANEOUS MAINTENANCE REPAIR SHOP SPECIALIZED EQUIPMENT AND BETWEEN MAINTENANCE AND REPAIR			\$12
FSC 5110 HAND TOOLS, EDGED, NONPOWERED			\$217
FSC 5120 HAND TOOLS, NONEDGED, NOWPOWERED			\$3,801
FSC 5130 HAND TOOLS, POWER DRIVEN			\$200
FSC 5180 SETS, KITS, AND OUTFITS OF HAND TOOLS			\$3,072
FSC 5210 MEASURING TOOLS CRAFTMAN'S			\$88
FSC 5220 INSPECTION GAGES AND PRECISION LAYOUT TOOLS			\$260
FSC 5280 SETS, KITS, AND OUTFITS OF MEASURING TOOLS			\$33
FSC 5340 MISCELLANEOUS HARDWARE			\$4
FSC 5365 RINGS, SHIMS, AND SPACERS			\$1
FSC 5935 CONNECTORS, ELECTRICAL			\$7
FSC 5995 CABLE, CORD AND WIRE ASSEMBLIES; COMMUNICATION EQUIPMENT			\$2
FSC 6080 FIBER OPTIC KITS AND SETS			\$4
FSC 6115 GENERATORS AND GENERATOR SETS, NONAIRBORNE (YV CODED ITEMS)			\$2,142
FSC 6130 CONVERTERS, ELECTRICAL, NONROTATING			\$79
FSC 6150 MISCELLANEOUS ELECTRIC POWER AND DISTRIBUTION EQUIPMENT			\$2,146

P-1 ITEM NO:
66

PAGE NO:
7 - 26

Page 3 of 4

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)		DATE: FEBRUARY 2000	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000		
PROCUREMENT ITEMS	NSN	QTY.	COST
			FY2001 COST
FSC 6230 ELECTRIC PORTABLE AND HAND LIGHTING EQUIPMENT			\$1
FSC 6610 FLIGHT INSTRUMENTS			\$1
FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING AND TESTING INSTRUMENT			\$4,654
FSC 6635 PHYSICAL PROPERTIES TESTING EQUIPMENT			\$1,446
FSC 6636 ENVIRONMENTAL CHAMBERS RELATED EQUIPMENT			\$4
FSC 6650 OPTICAL INSTRUMENTS			\$1,135
FSC 6665 HAZARD DETECTING INSTRUMENTS AND APPARATUS			\$149
FSC 6670 SCALES AND BALANCES			\$39
FSC 6675 DRAFTING, SURVEYING AND MAPPING INSTRUMENTS			\$133
FSC 6680 LIQUID AND GAS FLOW, LIQUID LEVEL, AND MECHANICAL MOTION MEASURING INSTRUMENTS			\$106
FSC 6685 PRESSURE, TEMPERATURE, AND HUMIDITY, MEASURING AND CONTROLLING INSTRUMENTS			\$17
FSC 6695 COMBINATION AND MISCELLANEOUS INSTRUMENTS			\$3
FSC 7025 AUTOMATIC DATA PROCESSING INPUT/OUTPUT AND STORAGE DEVICES			\$9
NSL NON-STOCKLISTED			\$4,233
TOTALS:			\$100,277

UNCLASSIFIED

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BP 13 - POST PRODUCTION SUPPORT**

FEBRUARY 2000

UNCLASSIFIED

PAGE 7 - 28

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67

A-10 Post Prod Support

Program Element for Code B Items:		Other Related Program Elements:								
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A		10.957	8.102							19.059
Total Proc Cost (\$ M)										

Description

This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, and threat avoidance.

FY 2001 Program Justification

P-1 Shopping List Item No. 67

Budget Item Justification
Exhibit P-40, page 1 of 5

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		Date: February 2000					
		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67		A-10 Post Prod Support					
Manufacturer's Name/Plant City/State Location		Subline Item					
Lockheed Martin Technology Services, Mesa, AZ							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A						
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						
Nonrecurring Costs	A						
Other Costs	A						
FLYAWAY COST SUBTOTAL	A						
Airframe Peculiar Ground Support Equipment (PGSE)	A						
Engine PGSE	A						
Peculiar Training Equipment	A	4		10.957	3		7.908
Publications/Technical Data	A						
ECOs	A						
Other	A						0.194
SUPPORT COST SUBTOTAL	A			10.957			8.102
TOTAL PROGRAM				10.957			8.102
<u>Comments</u>							

P-1 Shopping List Item No. 67

Weapon System Cost Analysis
Exhibit P-5, page 2 of 5

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)		Date: February 2000						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature						
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67		A-10 Post Prod Support						
Weapon System A-10								
Equipment Nomenclature: Unit Training Device (UTD)								
Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Proc	10.957	8.102						19.059
<u>TRAINING SYSTEM DESCRIPTION</u>								
<p>This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to train visual landing approaches, target acquisition, AGM-65 launch, and threat avoidance.</p>								
<p align="right">P-1 Shopping List Item No. 67 Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 3 of 5</p>								

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67										A-10 Post Prod Support		
Weapon System A-10												
Equipment Nomenclature: Unit Training Device (UTD)												
IOC Date												
TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001			
					QTY	COST	QTY	COST	QTY	COST	QTY	COST
	A-10 Units				4	10.957	3	8.102				
TOTAL					4	10.957	3	8.102				

P-1 Shopping List Item No. 67 Simulator and Training Device Justification (\$ M)
 Exhibit P-43 p.2, page 4 of 5

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67 **A-10 Post Prod Support**

Weapon System A-10

Equipment Nomenclature: Aircrew Trainers

Description:

This page is not required - Does not exceed \$5M for Unit Training Device (UTD).

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
	4	10.957	3	8.102						
Total Hardware Costs	4	10.957	3	8.102						
Support Costs										
Total Support Costs										
TOTAL COSTS	4	10.957	3	8.102						

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 - 34

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68

Date: February 2000

P-1 Line Item Nomenclature

B-2A Post Prod Support

Program Element for Code B Items:		Other Related Program Elements:							N/A	
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A		243,442	65,876	18,603	12,559	3,311	7,402	7,593		358,786
Total Proc Cost (\$ M)										

Description

The B-2 is an all-wing, two-crew aircraft with provisions for a third crew member and has twin weapons bays of over 20,000 pounds capacity each. It is powered by four F118-GE-100 turbofan engines. The low wing loading profile provides efficient cruise and good airfield performance. The B-2 bomber exploits breakthroughs in low observables technology (radar, infrared, electromagnetic, and acoustic) to achieve vehicle signatures that allows penetration of current and postulated enemy air defenses. The B-2 has the capability to perform worldwide conventional and nuclear delivery missions consistent with Air Combat Command requirements. Survivability is enhanced by reduction of observable signatures and complementary defense management system. The B-2 employs a low altitude terrain following capability and a penetration speed commensurate with high probability of survival without unduly penalizing mission range. The management and acquisition strategy provides the user a capability for the lowest possible cost.

FY 2001 Program Justification

The FY 2001 program contains costs associated with technical orders, peculiar support equipment, long-term software support, program management administrative requirements, and non-recurring (including curtailment).

P-1 Shopping List Item No. 68

**Budget Item Justification
Exhibit P-40, page 1 of 6**

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
				P-1 Line Item Nomenclature			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		B-2A Post Prod Support					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68							
Manufacturer's Name/Plant City/State Location		Subline Item					
Northrop Grumman CForp., B-2 Division, Pico Rivera, Ca.							
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A						
Armament	A			5.000			2.000
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A			0.000			
Nonrecurring Costs	A			13.600			18.700
Other Costs	A			36.100			
FLYAWAY COST SUBTOTAL	A			49.700			23.700
Airframe Peculiar Ground Support Equipment (PGSE)	A			28.300			8.200
Engine PGSE	A			0.000			0.000
Peculiar Training Equipment	A			17.700			4.000
Publications/Technical Data	A			2.400			1.500
ECOs	A						
Other	A			8.042			5.676
SUPPORT COST SUBTOTAL	A			56.442			19.376
ICS	A			45.600			2.800
S/W INVESTMENT	A			77.600			13.300
PROG. MGMT. ADM. QMNTS	A			14.100			9.500
TOTAL PROGRAM				243.442			65.876
Comments							

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68

B-2A Post Prod Support

Weapon System B-2A

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	0	0	0	0	0	0	0	0
Procurement	17.700	4.000	0.000	0.000	0.000	0.000	0.000	21.700
RDT&E	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
O&S	12.800	10.000	10.600	10.800	11.000	11.200	11.400	77.800

TRAINING SYSTEM DESCRIPTION

The Training System consists of training equipment hardware, software, and courseware, training missions and classroom academic materials. The maintenance training began in May 1993. Aircrew training began in Jan 1994. The maintenance trainers consist of the Computer Maintenance Training System, Weapons System Training Aid, and the Crew escape System Maintenance Trainer. The Cockpit Procedures Trainer, Weapon System Trainer, and the Mission Trainer are aircrew trainers and the Weapons Loading Trainer is an armament loading trainer. The Training Support Center, System Support Center and the Training Library are support devices for the above listed trainers. FY99 and FY00 procurement funds are for Post-Block 30 correction of deficiencies, flight performance updates and concurrency changes. Included is Non-recurring effort for engineering changes, testing and hardware/software integration.

P-1 Shopping List Item No. 68 Simulator and Training Device Justification (\$ M)

Exhibit P-43 p.1, page 3 of 6

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68										B-2A Post Prod Support	
Weapon System B-2A											
Equipment Nomenclature: Unit Training Device (UTD)											
Initial RFT: Dec 93											
IOC Date	TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001	
						QTY	COST	QTY	COST	QTY	COST
	Maintenance						13.000				
	Concurrency Updates										0.000
	Air Vehicle Concurrency						4.700				4.000
	Updates										
	TOTAL						17.700				4.000

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68 **B-2A Post Prod Support**

Weapon System B-2A

Equipment Nomenclature: Aircrew Trainers

Description:

Contains funding for block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		4.700		4.000		0.000				8.700
Total Hardware Costs		4.700		4.000		0.000				8.700
Support Costs										
Total Support Costs										
TOTAL COSTS		4.700		4.000		0.000				8.700

UNCLASSIFIED

Exhibit P-43 p.4, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and B-2A Post Prod Support
Facilities, Item No. 68

Weapon System B-2A

Equipment Nomenclature: Maintenance

Description:

Contains all necessary equipment for maintenance training equipment as well as future block updates to maintain concurrency with the air vehicle.

FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		13.000								13.000
Total Hardware Costs		13.000								13.000
Support Costs										
Total Support Costs										
TOTAL COSTS		13.000								13.000

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 69

B-2A ICS

Program Element for Code B Items:	ID Code	N/A11	Other Related Program Elements:							Total				
			Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004		FY 2005	To Comp		
Proc Qty	A													
Cost (\$ M)					46.467									
Interim Ctr Support (\$ M)						42.700		3.900						96.067
Advance Proc Cost (\$ M)														
Weapon System Cost (\$ M)					46.467		42.700		3.900					96.067
Initial Spares (\$ M)														
Total Proc Cost (\$ M)					46.467		42.700		3.900					96.067
Flyaway Unit Cost (\$ M)														
Wpn Sys Unit Cost (\$ M)														

Description

Aeronautical Vehicle ICS provides Maintenance (Repair) Capability to meet Air Combat Command's (ACC) Operational requirements. The ICS program is a comprehensive repair capability until permanent depot capability is established.

FY 2001 Program Justification

Interim Contractor Support is required in FY01 to maintain the B-2 Aircraft fleet.

P-1 Shopping List Item No. 69

Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 69		B-2A ICS					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999		FY 2000		FY 2001	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Interim Contractor Support	A			46.467			42.700
TOTAL PROGRAM							
Comments							
B-2 ICS requirements for FY02 and beyond are being evaluated and will be revised as necessary in future budget cycles until full organic maintenance capability is achieved.							

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70

Date: February 2000

P-1 Line Item Nomenclature

C-5 Post Prod Support

Program Element for Code B Items:		Other Related Program Elements:								
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A		1								1
Total Proc Cost (\$ M)		27.715								27.715

Description

These funds buy on C-5 simulator for the Air National Guard. It is part of the AMC replacement program that will reduce aircraft training flights by replacing existing subsystems on the training devices to allow FAA Level C equivalent training. The C-5 will replace the current visual system with a current state-of-the-art, commercial off the shelf system. Funding supports the procurement of one (1) C-5 simulator for the Air National Guard.

FY 2001 Program Justification

N/A

P-1 Shopping List Item No. 70

Budget Item Justification
Exhibit P-40, page 1 of 3

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70		C-5 Post Prod Support					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Peculiar Training Equipment	A	1		27.715			
Publications/Technical Data	A						
ECOs	A						
Other	A						
SUPPORT COST SUBTOTAL	A			27.715			
TOTAL PROGRAM				27.715			
<u>Comments</u>							

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70

C-5 Post Prod Support

Weapon System C-5

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Quantity	1							1
Procurement	27.715							27.715

TRAINING SYSTEM DESCRIPTION

This activity funds required Unit Training Devices (UTDs) which will enable the Mobility Air Forces to provide C-5 airlift pilots continuation training at squadron locations to ensure safety of flight and to maximize pilot proficiency and utilization of their C-5 aircraft. The C-5 UTD Visual System consists of the latest technology, commercial off-the-shelf image generation system and display. This system will allow C-5 pilots to train visual takeoff and landing approaches and threat avoidance.

P-1 Shopping List Item No. 70

Simulator and Training Device Justification (\$ M)

Exhibit P-43 p.1, page 3 of 3

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 - 46

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71

Date: February 2000

P-1 Line Item Nomenclature

C-130 Post Prod Support

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:					Total			
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003		FY 2004	FY 2005	To Comp
Proc Qty	A				1.365	1.361	1.362	1.367	1.369		
Total Proc Cost (\$ M)											6.824

PE: 0401115F

Description

C-130H is for the immediate and responsive air movement and delivery of combat troops and supplies directly in objective areas through airlanding, extraction, airdrop or other delivery techniques. Provides air logistic support for all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements.

FY 2001 Program Justification

Provides interim contract support for 121 AN/APN-241 radar sets installed on C-130H and HC-130P aircraft. Interim contract support required until long term support strategy is determined with Avionics Modernization Program via SORAP.

P-1 Shopping List Item No. 71

Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71		C-130 Post Prod Support					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A						
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						
Nonrecurring Costs	A						
Other Costs	A						
FLYAWAY COST SUBTOTAL	A						
Airframe Peculiar Ground Support Equipment (PGSE)	A						
Engine PGSE	A						
Peculiar Training Equipment	A						
Publications/Technical Data	A						
ECOs	A						
Other	A						
ICS	A						1.365
SUPPORT COST SUBTOTAL	A						1.365
TOTAL PROGRAM							
Comments							

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72

Date: February 2000

P-1 Line Item Nomenclature

E-4 Post Prod Support

Program Element for Code B Items:		Other Related Program Elements:							Total
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	
A				1.463					1.463
Total Proc Cost (\$ M)				1.463					1.463

Description

The training devices will emulate the cockpit with the new flight safety modifications incorporated. These training devices will allow flight crew and maintenance personnel to maintain skills during periods of limited aircraft availability.

FY 2001 Program Justification

Training on the E-4B aircraft is restricted by small fleet size (4 ea) mission requirements and mandatory aircraft maintenance. Training devices are required to augment flight and maintenance training.

P-1 Shopping List Item No. 72

Budget Item Justification
Exhibit P-40, page 1 of 6

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and
Facilities, Item No. 72 **E-4 Post Prod Support**

Manufacturer's Name/Plant City/State Location Subline Item

Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Peculiar Training Equipment	A				1		1.463
Other	A						
SUPPORT COST SUBTOTAL	A						1.463
TOTAL PROGRAM							1.463

Comments

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning		Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72		E-4 Post Prod Support	
<u>Subline Item</u>			
<u>Weapon System</u>			
E-4B			
WBS Cost Elements	Qty	Unit Cost	Location of PCO
Aircrew Training Device	1	1.463	Offutt AFB, NE
			RFP Issue Date
			Dec-00
			Contract Method
			MIPR
			Contract Type
			PO
			Contractor and Location
			Luke AFB, AZ
			Award Date
			Jan-01
			Date of First Delivery
			Oct-01
			Specs Available Now?
			No
			Date Revisions Available?
			Aug-00
<u>Remarks</u>			
Training simulator will be built by Det 1, 1ACC TRSS, Luke AFB, AZ on a project work order.			
P-1 Shopping List Item No. 72		Procurement History and Planning Exhibit P-5A, page 3 of 6	

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)		Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72		E-4 Post Prod Support	
Weapon System E-4B			
Equipment Nomenclature: Unit Training Device (UTD)			
Fin Plan	FY 1999	FY 2000	FY 2001
			1.463
		FY 2002	FY 2003
			FY 2004
			FY 2005
			Total
			1.463
<u>TRAINING SYSTEM DESCRIPTION</u>			
Training on the E-4B aircraft (4 ea) is restricted by mission requirements and mandatory aircraft maintenance. Training devices are required to augment flight and maintenance training. These training devices will allow flight crew and maintenance personnel to maintain skills during periods of limited aircraft availability.			
P-1 Shopping List Item No. 72		Simulator and Training Device Justification (\$ M)	
		Exhibit P-43 p.1, page 4 of 6	

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72										E-4 Post Prod Support	
Weapon System E-4B											
Equipment Nomenclature: Unit Training Device (UTD)											
IOC Date											
TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001		
					QTY	COST	QTY	COST	QTY	COST	
AIRCREW	Offutt AFB, NE	Sep-01	Oct-01	60					1	1.463	
<u>TOTAL</u>									1	1.463	

P-1 Shopping List Item No. 72

Simulator and Training Device Justification (\$ M)

Exhibit P-43 p.2, page 5 of 6

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M)				Date: February 2000						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number				P-1 Line Item Nomenclature						
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72				E-4 Post Prod Support						
Weapon System E-4B										
Equipment Nomenclature: Aircrew Trainers										
Description:										
FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
					1	0.975			1	0.975
Total Hardware Costs					1	0.975			1	0.975
Support Costs										
										0.488
Total Support Costs										0.488
TOTAL COSTS										
					1	1.463			1	1.463

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73

Date: February 2000

P-1 Line Item Nomenclature

F-15 Post Prod Support

Program Element for Code B Items:		Other Related Program Elements:								
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
A	20.714	6.871	7.184	7.267	7.349	7.561	7.787	7.959		72.692
Total Proc Cost (\$ M)										

Description

F-15 POST PRODUCTION/PLANT SHUTDOWN - The F-15 is the air superiority fighter with multi-role air-to-air and air-to-ground capabilities, day or night, all weather weapon system for continental air defense.

FY 2001 Program Justification

Funding is required for Post Production Support and plant shutdown. Post Production Support is required to provide repair support for critical air vehicle and ground support equipment assets from the time equipment is fielded until the assets are organically supportable. Grounding of aircraft will result without this repair support. Plant shutdown is required to dispose of F-15 tooling used during production of F-15 aircraft. The USAF is responsible for proper disposal of production assets at the contractor's facility.

P-1 Shopping List Item No. 73

Budget Item Justification
Exhibit P-40, page 1 of 2

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature								
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73		F-15 Post Prod Support								
Manufacturer's Name/Plant City/State Location		Subline Item								
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars								
		FY 1999			FY 2000			FY 2001		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe Peculiar Ground Support Equipment (PGSE)	A			0.000			0.000			2.700
Engine PGSE	A			0.000			0.666			0.737
SUPPORT COST SUBTOTAL	A			0.000			0.666			3.437
ICS	A			2.567			1.000			1.000
Support Contracts	A			4.304			2.818			2.830
Plant Shutdown	A			0.000			2.700			0.000
TOTAL PROGRAM				6.871			7.184			7.267
Comments										

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74

F-16 Post Prod Support

Program Element for Code B Items:	ID Code	Prior Years	Other Related Program Elements:					F-16 Post Production Support			
			FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
	A	0	36.634	43.932	25.464	15.500	15.705	13.861	14.340	0	165.436
Proc Qty											
Total Proc Cost (\$ M)											

Description

The F-16 Multimission Fighter is a single seat, fixed wing, high performance, single engine fighter aircraft. The design, optimized for the 0.8 Mach speed range, incorporated advanced technology features to enhance its capability while maximizing its acquisition, operating, and support costs. The advanced technology features include a high visibility, high 'g' cockpit. The F-16 armament consists of a 20mm cannon, air-to-surface and air-to-air missiles, and approximately 11,000 pounds of conventional and guided air-to-surface ordnance. The F-16 replaced the F-4s in the active inventory as well as modernized the reserve forces.

FY 2001 Program Justification

Items listed on the P-5 are representative of items to be procured. Items procured during execution may change based on the most urgent needs to support the warfighter.

P-1 Shopping List Item No. 74

Budget Item Justification
Exhibit P-40, page 1 of 5

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
		P-1 Line Item Nomenclature					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		F-16 Post Prod Support					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74							
Manufacturer's Name/Plant City/State Location		Subline Item					
Lockheed-Martin Tactical Aircraft Systems/Ft. Worth, TX							
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A	0		0.000	0		0.000
Armament	A	0		0.000	0		0.000
Software	A	0		0.000	0		0.000
Engineering Change Orders (ECO)	A	0		0.000	0		0.000
FLYAWAY COST SUBTOTAL	A			0.000			0.000
Airframe Peculiar Ground Support Equipment (PGSE)	A	0		0.000	0		0.000
Engine PGSE	A	0		0.000	0		0.000
Avionics PGSE	A	0		14.924	0		31.075
Peculiar Training Equipment	A	0		6.368	0		0.875
Publications/Technical Data	A	0		5.373	0		0.000
ECOs	A	0		0.044	0		0.041
Other	A	0		1.584	0		4.006
Distributed Mission Trainer/Exercises	A	0		0.000	0		0.869
ICS	A	0		3.225	0		1.600
ICSE	A	0		5.116	0		5.466
SUPPORT COST SUBTOTAL	A			36.634			43.932
TOTAL PROGRAM				36.634			43.932
Comments							
FY00 has a Congressional Plus-up of \$15M for IAIS.							
FY00-FY05 has Distributed Mission Trainer/Exercises added under PE 27697. This is for AF concept demonstration, not F-16 specific.							
Starting in FY00 the Publications/Technical Data is funded by 3400.							
		P-1 Shopping List Item No. 74				Weapon System Cost Analysis	
						Exhibit P-5, page 2 of 5	

UNCLASSIFIED

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)

Date: February 2000

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74

F-16 Post Prod Support

Weapon System F-16

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
RDT&E	6.368	0.875	0.974	0.950	1.100	1.125	1.150	12.542

TRAINING SYSTEM DESCRIPTION

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The Weapons Tactics Trainer (WTT) is included in the UTD numbers. The Maintenance Training Device (MTD) is used to train the maintainers.

UNCLASSIFIED

Exhibit P-43 p.2, Simulator and Training Device Justification (\$ M)										Date: February 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74										F-16 Post Prod Support	
Weapon System F-16											
Equipment Nomenclature: Unit Training Device (UTD)											
IOC Date											
TRAINING DEVICE BY TYPE	SITE	DELIVERY TIME	READY TRAINING DATE	AVG STUDENT THROUGH PUT	FY 1999		FY 2000		FY 2001		
					QTY	COST	QTY	COST	QTY	COST	
MAINTENANCE						0.000		0.000			0.000
AIRCREW					3	6.368		0.875			0.974
TOTAL					3	6.368		0.875			0.974

UNCLASSIFIED

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M) Date: February 2000
 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74 **F-16 Post Prod Support**

Weapon System F-16

Equipment Nomenclature: Aircrew Trainers

Description:

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTRN, flight instrument training, air-to-air and air-to-ground weapon systems delivery. The Weapons Tactics Trainer (WTT) is included in the UTD numbers.

FINANCIAL PLAN	FY 1999			FY 2000			FY 2001			To Complete			
	QTY	COST		QTY	COST		QTY	COST		QTY	COST	QTY	COST
Hardware Costs													
	3	2.070			0.000			0.000		TBD	TBD	TBD	TBD
Total Hardware Costs	3	2.070			0.000			0.000		0	0.000	0	0.000
Support Costs													
Software Costs		2.798			0.875			0.974		TBD	TBD	TBD	TBD
		1.500			0.000			0.000		TBD	TBD	TBD	TBD
Total Support Costs		4.298			0.875			0.974		0	0.000	0	0.000
TOTAL COSTS	3	6.368			0.875			0.974		TBD	TBD	TBD	0.000

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BP 14 – INDUSTRIAL PREPAREDNESS
FEBRUARY 2000**

UNCLASSIFIED PAGE 7 - 62

UNCLASSIFIED

Exhibit P-40, Budget Item Justification

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number

Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75

Date: February 2000

P-1 Line Item Nomenclature

Industrial Preparedness

Program Element for Code B Items:		Other Related Program Elements:						Total	
ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp
A		18,471	24,292	25,352	25,542	25,878	26,654	27,245	
Total Proc Cost (\$ M)									173,434

Description

1. Air Force Industrial Preparedness combines resources of several appropriations to create a comprehensive program. The goal is to ensure the defense industry can supply reliable, affordable systems to operational commanders. Key program elements include management of government-owned industrial plants, the Defense Production Act, and industrial base (IB) activities. IB activities characterize the critical sectors and industries within the IB and provide information on capability issues for consideration during budget allocation, weapon acquisition, and logistics support decisions.

2. Two basic activities are funded in this appropriation: Industrial Facilities and Industrial Planning:

Industrial Facility cost elements MPCs 3000, 4000, and 7000: Provide for repair and expansion, major rehabilitation, environmental compliance, equipment movement and energy conservation at Air Force-owned, contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, F-15, F-16, C-130, C-5B, F-117, and F-22.

Industrial Planning cost element MPC 6000: Provides for identification, analysis, and limited pilots and/or pathfinders for problems, constraints, and essential and endangered capabilities in the IB sectors (aircraft). Collection and maintenance of industrial data supports affordable acquisition and sustainability requirements.

FY 2001 Program Justification

N/A, program is ongoing.

P-1 Shopping List Item No. 75

**Budget Item Justification
Exhibit P-40, page 1 of 2**

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis		Date: February 2000					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75		Industrial Preparedness					
Manufacturer's Name/Plant City/State Location		Subline Item					
Weapon System Cost Elements	Ident Code	Total Cost In Millions of Dollars					
		FY 1999			FY 2000		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A						
Armament	A						
Software	A						
Other Government Furnished Equipment (GFE)	A						
Engineering Change Orders (ECO)	A						
Nonrecurring Costs	A						
Other Costs	A						
FLYAWAY COST SUBTOTAL	A						
Airframe Peculiar Ground Support Equipment (PGSE)	A						
Engine PGSE	A						
Peculiar Training Equipment	A						
Publications/Technical Data	A						
ECOs	A						
Other	A						
SUPPORT COST SUBTOTAL	A						
Capital Type Rehabilitation (MPC 3000)	A			5.610		7.796	7.753
Replacement & Modernization (MPC 4000)	A			0.463		0.446	0.000
Industrial Base Assessment (MPC 6000)	A			2.951		3.643	4.540
Environmental Compliance (MPC 7000)	A			9.448		12.407	13.059
TOTAL PROGRAM				18.472		24.292	25.352
Comments							

UNCLASSIFIED

FY 01 AMENDED BUDGET REQUEST

BP 17 – WAR CONSUMABLES

FEBRUARY 2000

UNCLASSIFIED PAGE 7 - 65

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 - 66

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000					
QUANTITY	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
COST (in Thousands)	\$74,563	\$112,272	\$43,015	\$58,582	\$97,751	\$114,995	\$117,542
Description:							
<p>1. This program provides funding for the procurement of initial/replacement War Consumables, and includes commodities such as aircraft Tanks, Racks, Adapters, Pylons (TRAP), Missile Rail Launchers, Radio Frequency (RF) (expendable) Towed Decoys, and Fiber Optic Towed Decoys (FOTD). These items support War Reserve Materiel (WRM) requirements and fleet inventory objectives across multiple weapon systems.</p> <p>2. Funding for the Advanced Airborne Expendable Decoy (AAED) in FY99 includes \$40 million provided by Congress in the FY99 Appropriation Conference Report 106-143 , Emergency Supplemental Appropriations Bill, dated May 14, 1999.</p> <p>3. Funding for the AAED in FY00 was added through the FY99 Emergency Supplemental Appropriations and transferred to the Air Force from the Overseas Contingency Operations Transfer Fund.</p> <p>4. Items to be procured with FY99-01 funds are listed on the attached P-40A followed by individual justifications. Items procured during execution may change based on the most critical equipment needed to support Air Force mission requirements.</p>							
P-1 ITEM NO: 75		PAGE NO: 7-67			Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000					
PROCUREMENT ITEMS	ID CODE	FY1999		FY2000		FY2001	
		QTY.	COST	QTY.	COST	QTY.	COST
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	A		\$65,564	2,455	\$103,870	5,132	\$32,264
I/L THAN \$5 MILLION	A		\$8,999		\$8,402		\$10,751
Totals:			\$74,563		\$112,272		\$43,015
Remarks:							

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)					
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY	2,455	5,132	1,512	1,464	2,533	3,233	2,046
COST (in Thousands)	\$65,564	\$103,870	\$32,264	\$32,876	\$53,978	\$69,896	\$44,235
Description:							
<p>1. Funding for the Advanced Airborne Expendable Decoy (AAED) in FY99 includes \$40 million provided by Congress in the FY99 Appropriation Conference Report 106-143, Emergency Supplemental Appropriations Bill, dated May 14, 1999.</p> <p>2. Funding for the AAED in FY00 was added through the FY99 Emergency Supplemental Appropriations and transferred to the Air Force from the Overseas Contingency Operations Transfer Fund.</p> <p>3. The Advanced Airborne Expendable Decoy (AAED) is part of the ALE-50 Radio Frequency (RF) Towed Decoy System integrated onto both the F-16 and B-1B aircraft. The ALE-50 significantly enhances an aircraft's countermeasure capabilities against modern RF missile threats. It provides protection by acting as a RF repeater that decoys threat systems engaging the aircraft resulting in increased missile miss distances. Major system components for the F-16 are the AAED (includes towline assembly and canister), magazine, launcher/controller and pylons. The major system components for the B1-B are the AAED, magazine, launcher, multi-platform launch controller and farings. AAED production buys began in FY97 and the decoy saw extensive use during Operation Noble Anvil (ONA).</p> <p>4. Failure to procure the AAED impacts sustainment of projected wartime sortie rates, impeding mission accomplishment. Air Combat Command (ACC) Operational Requirements Document (ORD) dated 16 May 94 states the need for improved F-16 survivability from RF threats. The ALE-50 succinctly answers this need, as illustrated during ONA, where the ALE-50 dramatically improved weapon system survivability against RF missiles. ACC analyzed ONA results and requested the ALE-50 be placed on all combat coded block 40/50 F-16's as</p>							
P-1 ITEM NO: 75		PAGE NO: 7 - 69		Page 1 of 2			

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000
APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	
Description (cont.): soon as possible. 5. The AAEDs currently programmed address only F-16 requirements. The AAED provides only an interim capability on the B1-B until the Integrated Defensive Electronic Countermeasures (IDECM) Fiber Optic Towed Decoy (FOTD) system enters production in FY02. No additional AAEDs will be procured to support this interim B1-B capability. Therefore, any reductions in the quantity of decoys being procured will impact both F-16 and B1-B deployability.		
P-1 ITEM NO: 75	PAGE NO: 7 - 70	Page 2 of 2

UNCLASSIFIED

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)		DATE: FEBRUARY 2000									
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE	FY1999			FY2000			FY2001			
		QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
DECOY (1) (3)	A		1,142	21,217	24,230	5,132	20,117	103,240	1,512	21,055	31,835
DECOY (2)	A		1,313	21,576	28,329			0			0
CONTAINERS (2) (4)	A		103	1,842	190	214	1,842	394	63	2,029	128
HARDWARE SCHEDULE ACCELERATION (2) (5)					11,218			0			0
ENGINEERING SUPPORT					279			0			0
NON CONUS SHIPPING					451			0			0
ENGINEERING CHANGE ORDER					867			236			301
TOTALS:					65,564			103,870			32,264

REMARKS:

- (1) Decoy unit cost in FY99 reduced due to elimination of the warranty, FY00 unit cost reduced due to quantity price break.
- (2) These items in the FY99 Column were funded IAW FY99 Appropriations Conference Report 106-143, Emergency Supplemental Appropriations Bill, dated May 14, 1999.
- (3) Funding in FY00 was added through the FY99 Emergency Supplemental Appropriations and transferred to the Air Force from the Overseas Contingency Operations Transfer Fund.
- (4) One container required for every 24 decoys.
- (5) Cost of tooling and contractor labor needed to ramp-up production capability to 300 per month and accelerate the delivery schedule in support of Operation Noble Anvil (ONA).

UNCLASSIFIED

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)		DATE: FEBRUARY 2000							
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)							
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
DECOY/FY 1999	1,142	21,217	AFMC/ASC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	MAR 99	JUN 99		
DECOY/FY 1999 (2)	1,313	21,576	AFMC/ASC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	JUL 99	MAY 00		
DECOY/FY 2000 (3)	5,132	20,117	AFMC/ASC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	DEC 99	AUG 00		
DECOY/FY 2001	1,512	21,055	AFMC/ASC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	DEC 00	FEB 02	Y	
<p>REMARKS:</p> <p>(1) Option to FY97 sole source contract to E-Systems, Goleta, CA.</p> <p>(2) Funding provided by Congress in the FY99 Appropriations Conference Report 106-143, Emergency Supplemental Appropriations Bill, dated May 14, 1999.</p> <p>(3) Funding added through the FY99 Emergency Supplemental Appropriations and transferred to the Air Force from the Overseas Contingency Operations Transfer Fund.</p>									
P-1 ITEM NO: 75		PAGE NO: 7-72		Page 1 of 1					

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2000					
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000					
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY							
COST (in Thousands)	\$8,999	\$8,402	\$10,751	\$25,706	\$25,934	\$19,981	\$20,423
Description:							
<p>1. The "Items Less than \$5 Million" line includes commodities such as launchers, tank storage/shipping containers, pylon nuclear upgrade kits, fuel tanks and fuel tank upgrade kits. These items are applicable across multiple weapon systems. These initial/replacement War Consumables requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.</p> <p>2. All items have an annual procurement value of less than \$5 million and are code A. Items requested in FY01 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support Air Force mission requirements.</p>							
P-1 ITEM NO: 75		PAGE NO: 7 - 74			Page 1 of 1		

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL)		DATE: FEBRUARY 2000	
APPROP CODE/BA: APAF/WAR CONSUMABLES		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000	
PROCUREMENT ITEMS	NSN	QTY.	COST
		QTY.	COST
		QTY.	COST
LAU-128A/A LAUNCHER		135	\$2,286
600 GAL FUEL TANK SLOTTED ANGLE STORAGE/SHIPPING CONTAINERS (F-15)		547	\$681
LAU-118A(V)4/A WITH AIRCRAFT LAUNCHER INTERFACE COMPUTER		16	\$1,242
LAU-88A/A TRIPLE RAIL LAUNCHERS		659	\$2,300
SUU-59C/A PYLONS (NUCLEAR UPGRADE)		43	\$1,335
600 GAL FUEL TANK (F-16)		9	\$951
650 GAL CRASHWORTHY FUEL TANK ASSEMBLY (MH-53)		9	\$195
370 GAL NESTED TANK RELAY KIT (F-16)		7834	\$1,371
300 GAL CENTER LINE TANK FLOAT SWITCH KIT (F-16)		487	\$390
TOTALS:			\$10,751

UNCLASSIFIED

UNCLASSIFIED

**FY 01 AMENDED BUDGET REQUEST
BP 19 – OTHER PRODUCTION CHARGES
FEBRUARY 2000**

UNCLASSIFIED

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET						DATE	
APPROPRIATION/BUDGET ACTIVITY	ITEM NO. 77	P-1 NOMENCLATURE					
AIRCRAFT PROCUREMENT, AF/BA 07 AIRCRAFT SUPPORT EQ & FACILITIES		MISCELLANEOUS PRODUCTION CHARGES					
	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY							
COST (in thousands)	249,662	370,815	398,474	377,822	319,806	334,013	358,089

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) contain certain classified programs.

P-1 Shopping List

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 -78

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 -78

Exhibit P-40a, Budget Item Justification for Aggregated Items					Date: February 2000
Appropriation/Budget Activity					
Procurement Items	FY1999 (\$000)	FY2000 (\$000)	FY2001 (\$000)		
C-130J	0	859	0		
C-5 Airlift Squadrons	1,363	1,337	1,370		
Classified/Intelligence Programs	80,505	132,735	172,218		
Combat Training Range Equipment	413	16,847	18,108		
Elec Warfare Integrated Program	5,660	1,871	0		
F-22	2,866	5,949	7,455		
Flight Screening	0	0	101		
Judgement Fund Reimbursement	0	25,000	25,000		
KC-135S	1,447	1,407	1,375		
Manned Destructive Suppression	9,955	0	13,653		
NATO AWACS Program	110,296	70,465	82,038		
NAVSTAR Global Positioning System User Equipment	35,295	35,320	39,290		
Pollution Prevention	1,862	3,034	2,945		
Precision Attack Systems	0	75,991	34,921		
TOTAL	249,662	370,815	398,474		

UNCLASSIFIED

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED PAGE 7 - 80

UNCLASSIFIED

DATE: February 2000

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION1
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: C-130J Program

MODELS OF AIRCRAFT APPLICABLE: C-130J

DESCRIPTION/JUSTIFICATION: This logistics and training money was mistakenly submitted as BP19. SAF/FM has already corrected the FY01-05 figures. Will reprogram the FY00 money to BP10, once the funds are appropriated.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:	0	859	0
TOTAL COST	0	859	0

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: C-5 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: C-5

DESCRIPTION/JUSTIFICATION: The AMC Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect aircraft from hostilities during combat operations. The ABI system addresses this deficiency and increases aircrew survivability by providing aircrews with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. Strategic mobility often fly extended missions or transit enroute stations without full intelligence information capability. Information provided prior to mission departure is often outdated or incomplete upon arrival in theater. ABI provides increased threat situational awareness and enables aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions. To limit system implementation costs, it is envisioned that ABI will be "snapped on" to any AMC mobility fleet aircraft when this capability is needed. These systems are intended to be interchangeable between KC-135, KC-10, C-141, C-5, and C-17 operational wings as required.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
	1,363	1,337	1,370
TOTAL COST	1,363	1,337	1,370

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES
(Dollars in Thousands)

PROJECT TITLE: Classified/Intelligence Programs

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

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
Classified Programs	71,526	95,226	133,213
Intelligence Programs	8,979	37,509	39,005
TOTAL COST	80,505	132,735	172,218

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET ESTIMATES
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET**

(Dollars in Thousands)

PROJECT TITLE: Combat Training Range Equipment

MODELS OF AIRCRAFT APPLICABLE: A-10, F-15, F-16

DESCRIPTION /JUSTIFICATION: Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of aircrews and to conduct operational testing of weapons systems and tactics under simulated combat conditions. ACTS provide the capability to conduct air-to-air, air-to-surface, and electronic warfare combat, while providing real-time monitoring and control of aircraft and recording events for post-mission debrief and analysis. The Air Force/Navy Joint Tactical Combat Training System (JTCTS) program is being developed as the next ACTS. In FY99, Congress directed a technical evaluation of JTCTS and the integrated Large Area Tracking Range/ Kadena Interim Training System (L-ATR/KITS) systems. This technical evaluation was completed and the results were reported to Congress in the 1st quarter of FY00. JTCTS was determined to be the system of choice. JTCTS will use the Global Positioning System (GPS) to improve position accuracy. JTCTS will provide the capability to simultaneously monitor an increased number of aircraft over a larger geographic area. JTCTS will be able to operate in a 'rangeless mode' without the necessity of a ground based infrastructure or operate in a "terrestrial mode" tethered to a ground monitoring and control system. Funding will also be used to upgrade selected legacy systems to a more state of the art functional configuration. These upgrades will allow existing assets to continue to meet ACTS operational requirements until JTCTS is fielded.

PROJECTED FINANCIAL PLAN

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
ACTS Pods	413	16,847	18,108
TOTAL COST	413	16,847	18,108

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Electronic Warfare Integrated Reprogramming (EWIR)

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

DESCRIPTION/JUSTIFICATION: This program provides electronic countermeasure (ECM) support of the Electronic Warfare Avionics Integration Support Facility (EWAISF) for the EWIR process. The EWAISF is the primary support facility in the development, configuration management, maintenance and testing of electronic warfare system software and reprogramming support tools for Air Combat Command, Air Force Special Operations Command, and Air Mobility Command electronic warfare systems. Re-evaluation of required funds to support future EWAISF efforts deemed 3400 O&M funds more appropriate. Effective in FY01, O&M funds will support EWAISF instead of 3010 BP 1900.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:

	<u>FY 92</u>	<u>FY 00</u>	<u>FY 01</u>
	5,660	1,871	0
TOTAL COST	5,660	1,871	0

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: F-22

MODELS OF AIRCRAFT APPLICABLE: F-22

DESCRIPTION/JUSTIFICATION: This request provides resources for units necessary for electronic warfare requirements.
Additional information is available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
Assessment of Contractor Data	2,866	5,949	7,455
TOTAL COST	2,866	5,949	7,455

BASIS FOR COST ESTIMATE:

Assessment of Contractor Data

TOTAL COST

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Flight Screening

MODELS OF AIRCRAFT APPLICABLE: Blanik L-13-AC and L-33 Solo Gliders

DESCRIPTION/JUSTIFICATION: Near-term replacement of the TG-3/-4/-7 glider fleet is essential. Cadet airmanship programs cannot be supported with the current fleet of aircraft. Down time for repair and rebuild, coupled with fatigue failure concerns further limit the utility of existing aircraft. With annual rebuild costs exceeding 60-70% of the total value of new trainer sailplanes, the TG-3/-4/-7 fleet is no longer supportable.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
BASIS FOR COST ESTIMATE:			
	0	0	101
TOTAL COST	0	0	101

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: Judgement Fund Reimbursement

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: In September 1998 a contractor's claim against the AC130U contract was settled as an Alternate Dispute Resolution. The contractor was paid the settlement in FY 1999 from the Treasury Department's judgement fund, which the Air Force is required by law to reimburse. The funds requested in FY00 and FY01 represent the first two installments of the total requirement of \$119.5M in the aircraft procurement program.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
PROGRAM COST	0	25,000	25,000
TOTAL COST	0	25,000	25,000

BASIS FOR COST ESTIMATE:

PROGRAM COST

TOTAL COST

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: KC-135 Airborne Broadcast Intelligence (ABI)

MODELS OF AIRCRAFT APPLICABLE: KC-135S

DESCRIPTION/JUSTIFICATION: Airborne Broadcast Intelligence (ABI) equips the aircraft with portable, on-aircraft mission equipment to receive and display critical, real-time intelligence information. It provides increased threat situational awareness thus enabling aircrews to make mission modifications to avoid enemy threats under rapidly changing combat conditions.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
	1,447	1,407	1,375
TOTAL COST	1,447	1,407	1,375

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)**

PROJECT TITLE: Manned Destructive Suppression

MODELS OF AIRCRAFT APPLICABLE: F-16 Block 50/52

DESCRIPTION/JUSTIFICATION: The AN/ASQ-213 pod, a High Speed Anti-Radiation Missile (HARM) Targeting System (HTS), senses enemy radar emissions and provides precision targeting information for the F-16 Block 50/52. The F-16 HTS provides the only USAF HARM suppression capability since the retirement of the F-4G Wild Weasel in FY96. The FY99 funding procured new HTS R6 Pods and FY01 funds will be used to procure as many HTS R6 Pods and Pylons as possible.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
	9,955	0	13,653
TOTAL COST	9,955	0	13,653

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
 MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
 (Dollars in Thousands)

PROJECT TITLE: NATO AWACS Modernization

MODELS OF AIRCRAFT APPLICABLE: E-3A

DESCRIPTION/JUSTIFICATION: NATO's E-3s provide air and maritime surveillance for allied forces in the NATO area of operation. This project provides the U.S. contribution to the NATO Airborne Early Warning and Control Near-Term and Mid-Term Modernization Programs. The Near-Term upgrades include the anti-jam radio (Have Quick A-Nets), JTIDS TADIL J Data Link, improved COMSEC equipment and the Radar System Improvement Program (RSIP). The Mid-Term program upgrades the mission computers, provides improved man-machine interfaces, multi-sensor integration (MSI), digital communications, satellitecommunications, and adds 5 new consoles to the aircraft. These Near and Mid-Term projects will update the NATO E-3's with capabilities to maintain fleet operational effectiveness and interoperability well into the 21st century.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
NATO AWACS - Near/Mid Term	110,296	70,465	82,038
TOTAL COST	110,296	70,465	82,038

BASIS FOR COST ESTIMATE:

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

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

MODELS OF AIRCRAFT APPLICABLE: OA/A-10, B-1B, B-2, B-52H, C-12, C-130, C/KC-135, C-17, C-141B, C-20, C-9, C-5 A/B, C-21A, EC-18B, E-3, E-4B
E-9, F-117A, F-15E, F-16 C/D, KC-10, T-1, C/T-43, UH-1H

DESCRIPTION/JUSTIFICATION: NAVSTAR GPS is a space-based radio navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of user equipment and associated costs for the above aircraft. This program also includes production engineering, testing, and other support to all GPS modifications.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:

Non-recurring/Integration	FY 99	FY 00	FY 01
	35,295	35,320	39,290
TOTAL COST	35,295	35,320	39,290

UNCLASSIFIED

DATE: Feb 00

P-1900

**FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS 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 DoD and Air Force pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Orders 12856 and 12873, the DoD Comprehensive Pollution Prevention Strategy, and the Air Force Pollution Prevention Strategy. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to the air, land, and water. It includes requirements such as refrigerant recovery equipment, recycling equipment, efforts to reduce solid waste generation, enhanced hazardous material management practices, hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
PROGRAM COST	1,862	3,034	2,945
TOTAL COST	1,862	3,034	2,945

BASIS FOR COST ESTIMATE:

PROGRAM COST

TOTAL COST

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Precision Attack Systems Procurement

MODELS OF AIRCRAFT APPLICABLE: F-16C/D

DESCRIPTION/JUSTIFICATION: Funds used to procure Precision Attack Targeting pods. Funds in FY00 will procure Litening targeting pods for the Air Reserve Components. Funds in FY01 will procure Advanced Targeting Pods (ATP) for active duty USAF F-16C/D Block 50/52. The procurement schedule for ATPs is 24 per year. Current funding will allow for a total purchase of 72 pods.

PROJECTED FINANCIAL PLAN:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
BASIS FOR COST ESTIMATE:	0	75,991	34,921
TOTAL COST	0	75,991	34,921

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET							DATE	
APPROPRIATION/BUDGET ACTIVITY	ITEM NO. 78	P-1 NOMENCLATURE					Feb-2000	
AIRCRAFT PROCUREMENT, AF/BA 07 AIRCRAFT SUPPORT EQ & FACILITIES		FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY								
COST (in thousands)	11,701		11,663	4,836	5,009	5,148	5,302	5,419
<p>These programs provide for electronic countermeasures and related support equipment which (1) is 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, and (3) can be managed as separate end items.</p>								

P-1 Shopping List

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION
COMMON ELECTRONICS COUNTERMEASURES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: ALQ-184/ALQ-131

: DESCRIPTION/JUSTIFICATION: This project supports the acquisition of kits to modify ALQ-184 to a reprogrammable low-band ALQ 184 and ALQ-131 Block II pod configurations to counter terminal and airborne interceptor radar systems. The FY99 thru 01 funding provides for software upgrades, ECPs, program support, and product improvement. FY99 dollars reflect a \$5M congressional plus-up. ALQ-184 and ALQ-131 electronic attack pods are the primary self defense jamming systems for the A-10, F-16, and USAF C-130 aircraft. Effective in FY00 these funds were moved from PE27442 and reside in the EWIR PE27439.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:

	<u>FY 99</u>	<u>FY 00</u>	<u>FY 01</u>
ALQ-184/ALQ-131	11,701	11,663	4,836
TOTAL COST	11,701	11,663	4,836

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION SHEET							DATE	
APPROPRIATION/BUDGET ACTIVITY		ITEM NO. 80	P-I NOMENCLATURE				Feb-2000	
AIRCRAFT PROCUREMENT, AF/BA 07 AIRCRAFT SUPPORT EQ & FACILITIES		MANNED RECONNAISSANCE SYSTEMS (DARP)						
QUANTITY	FY99	FY00	FY01	FY02	FY03	FY04	FY05	
COST (in thousands)		139,975	127,971	98,410	114,283	105,745	92,624	92,570
<p>This program provides centralized funding for multi-service and Air Force requirements for field future airborne reconnaissance systems.</p>								

P-1 Shopping List

UNCLASSIFIED

DATE: Feb 00

P-1900

FY 2001 PRESIDENT'S BUDGET ESTIMATES
MISCELLANEOUS PRODUCTION CHARGES FACT SHEET
(Dollars in Thousands)

PROJECT TITLE: Manned Reconnaissance System (DARP)

: DESCRIPTION/JUSTIFICATION: The programs in this P-1 line are available on a need-to-know basis

PROJECTED FINANCIAL PLAN:

FY 99

FY 00

FY 01

BASIS FOR COST ESTIMATE:

PROGRAM COST

139,975

127,971

98,410

TOTAL COST