UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book

FY 2001 Amended Budget Request



February 2000

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

Volume 1 TABLE OF CONTENTS

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

Volume 1 TABLE OF CONTENTS

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

Volume 1 TABLE OF CONTENTS

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

Volume 1 TABLE OF CONTENTS

P-1 Line Item No. 16 – CV-22 OSPREY Advance Procurement	4 – 11
MISSION SUPPORT AIRCRAFT	
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
OTHER AIRCRAFT	
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

Volume 1 TABLE OF CONTENTS

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

4 – 55
LUME II)
6 – 1
7 – 1
7 – 29
7 – 35

Volume 1 TABLE OF CONTENTS

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
INDUSTRIAL PREPAREDNESS (BP-1400)	
P-1 Line Item No. 75 – Industrial Preparedness	7 – 63
WAR CONSUMABLES (BP-1700)	
P-1 Line Item No. 76 – War Consumables	7 – 67

Volume 1 TABLE OF CONTENTS

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
<u>DARP</u>	
P_1 Line Item No. 80 - DARP	7-9

FY 2001 AMENDED BUDGET REQUEST FEBRUARY 2000

SECTION 1:

APPROPRIATION LANGUAGE

THIS PAGE INTENTIONALLY LEFT BLANK

AIRCRAFT PROCUREMENT AIR FORCE

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

THIS PAGE INTENTIONALLY LEFT BLANK

FY 2001 AMENDED BUDGET REQUEST

FEBRUARY 2000

SECTION 2:

GLOSSARY/ORGANIZATIONS/TERMS

THIS PAGE INTENTIONALLY LEFT BLANK

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 Furnishe d 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

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

PY - Prior Year

R&M - Reliability and Maintainability

RAA - Required Asset Availability

RDT&E - Research, Development, Test and Evaluation

RVSM - Reduced Veriticle 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

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

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

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

FEBRUARY 2000

SECTION 3:

3010F AIRCRAFT, EXHIBIT P-1

THIS PAGE INTENTIONALLY LEFT BLANK

DEPARTMENT OF THE AIR FORCE

FY 2001 PROCUREMENT PROGRAM

SUMMARY (\$ IN MILLIONS)

FEB 2000

APPROPRIATION FY 1999 FY 2000 FY 2001 8,235.2 9,539.6 AIRCRAFT PROCUREMENT, AIR FORCE 8,606.5 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

DEPARTMENT OF THE AIR FORCE

FY 2001 PROCUREMENT PROGRAM

SUMMARY (\$ IN MILLIONS)

FEB 2000

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

<u>ACTIVITY</u>	FY 1999	FY 2000	FY 2001
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

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: FEB 2000

		MILLIONS OF DOLLARS				_		
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	1999 <u>COST</u>	= =	2000 <u>COST</u>	FY 2001 I	S E C
BUDGE	r activity 01: COMBAT AIRCRAFT							
TACT	ICAL FORCES							
	-22 RAPTOR ESS: ADVANCE PROCUREMENT (PY)	A	2	(644.3) (-71.5)		(202.1) (-198.7)		
				572.8		3.4	2,149.9	
A.	-22 RAPTOR DVANCE PROCUREMENT (CY) FY 1999 FOR FY 2000) (MEMO)			197.2 (197.2)		277.1	396.2 t	U
(:	FY 2000 FOR FY 2001) (MEMO) FY 2001 FOR FY 2002) (MEMO)			(==:,=,		(277.1)	(396.2)	
	-15A ESS: ADVANCE PROCUREMENT (PY)	A		(11.0) (-11.0)	5	(267.3)	(24.3) t (-24.3) t	
						267.3		
A.	-15A DVANCE PROCUREMENT (CY) FY 2000 FOR FY 2001) (MEMO)					24.3 (24.3)	τ	U
	-16 C/D (MYP) ESS: ADVANCE PROCUREMENT (PY)	A	1	(26.6)	10	(238.9)	(23.3) t (-23.3) t	
				26.6		238.9		
A.	-16 C/D (MYP) DVANCE PROCUREMENT (CY) FY 1999 FOR FY 9200) (MEMO)			9.6 (9.6)		23.3	τ	U
	FY 2000 FOR FY 2001) (MEMO)					(23.3)		
TOTAL	COMBAT AIRCRAFT			806.2		834.2	2,546.1	

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: FEB 2000

		MILLIONS OF DOLLARS							
LINE <u>NO</u>	ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	1999 <u>COST</u>		2000 COST	FY QUANTITY	2001 COST	s E <u>C</u>
BUDGET A	CTIVITY 02: AIRLIFT AIRCRAFT								
TACTICA	L AIRLIFT								
	(MYP) : ADVANCE PROCUREMENT (PY)	В	13	(2,897.6) (-327.2)	15 ((3,030.5)		(2,555.2)	
				2,570.4		2,671.0		2,211.9	
ADVA (FY (FY	(MYP) LNCE PROCUREMENT (CY) 1999 FOR FY 2000) (MEMO) 2000 FOR FY 2001) (MEMO) 2001 FOR FY 2002) (MEMO)			302.6 (302.6)		287.3		266.8	
9 C-17	ICS	В				396.6		412.2	U
OTHER A	IRLIFT								
10 WC-1	30	А	1	74.5					U
11 EC-1	30Ј	А	1	83.9	1	87.1			U
12 C-13	ОН	А		7.0					U
13 C-13	0J	А		29.1		46.4	2		U
TOTAL AI	RLIFT AIRCRAFT			3,067.5		3,488.3		3,099.0	
BUDGET A	CTIVITY 03: TRAINER AIRCRAFT								
OPERATI	ONAL TRAINERS								
14 JPAT	S	А	22	108.2	29	111.4	27	113.8	U
TOTAL TR	AINER AIRCRAFT			108.2		111.4		113.8	

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: FEB 2000

	MILLIONS OF DOLLARS							_
LINE NO ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	1999 <u>COST</u>		2000 <u>COST</u>	FY QUANTITY	2001 COST	s <u>E</u>
BUDGET ACTIVITY 04: OTHER AIRCRAFT								
HELICOPTERS								
15 V-22 OSPREY LESS: ADVANCE PROCUREMENT (PY)	А		(22.0)		(21.8)	4	(355.7) (-19.9)	
			22.0		21.8		335.8	
16 V-22 OSPREY ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2001 FOR FY 2002) (MEMO)					19.9 (19.9)		27.2	
MISSION SUPPORT AIRCRAFT								
17 SMALL VCX	А	4	159.8					U
18 C-32A	А	2	158.9					U
19 C-32B FEST/DEST AIRCRAFT	А			1	73.0			U
20 CIVIL AIR PATROL A/C	А	27	3.0	27	2.5	27	2.5	U
21 OPERATIONAL SUPPORT AIRCRAFT	А			1	61.8			U
OTHER AIRCRAFT								
22 TARGET DRONES	А				31.3		32.9	U
23 E-8C LESS: ADVANCE PROCUREMENT (PY)	А	2	(491.3) (-18.0)	1	(265.0) (-38.7)	1	(296.3) (-35.7)	
			473.3		226.3		260.6	
24 E-8C ADVANCE PROCUREMENT (CY) (FY 1999 FOR FY 2000) (MEMO) (FY 2000 FOR FY 2001) (MEMO)			35.6 (35.6)		35.7 (35.7)			U
(F1 2000 FOR F1 2001) (MEMO) 25 E-8C ICS	A				25.6			U
26 HAEUAV	A				20.0		22.4	
ZU TAEUAV	А						22.4	U

UNCLASSIFIED

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

EXHIBIT P-1

DATE: FEB 2000

	MILLIONS OF DOLLARS					_		
LINE NO ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	1999 <u>COST</u>	FY :	2000 <u>COST</u>	FY QUANTITY	2001 <u>COST</u>	s E C
27 PREDATOR UAV	А	7	129.8	7	57.1	7	22.1	U
TOTAL OTHER AIRCRAFT			982.3		555.1		703.5	
BUDGET ACTIVITY 05: MODIFICATION OF INS	ERVICE .	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	А		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		23.6	U
42 C-37A	А				. 4		.4	U
43 C-141	А		32.8		10.8		.7	U

UNCLASSIFIED

EXHIBIT P-1
DATE: FEB 2000

U

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

63 PREDATOR MODS

			MILLIONS OF DOLLARS				
LINE <u>NO</u>	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY COST	FY 2000 QUANTITY COST	FY 2001 QUANTITY COST	S E C	
TRAINER	AIRCRAFT						
44 T-1		A	7.5	*		U	
45 T-3 (EFS) AIRCRAFT	A	.1	2.2	1.9	U	
46 T-38		А	25.1	44.0	120.5	U	
47 T-41	AIRCRAFT	А	.1	.1	.1	U	
48 T-43		A	5.7	.7	4.9	U	
OTHER AI	RCRAFT						
49 KC-10	A (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-25	A 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		А	21.2	15.2	23.6	U	
62 OTHER	AIRCRAFT	A	15.9	20.1	28.2	U	

Α

UNCLASSIFIED PAGE 21

3.4

DEPARTMENT OF THE AIR FORCE

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONG OF BOLLARO

DATE: FEB 2000

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

DEPARTMENT OF THE AIR FORCE

FY 2001 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

TOTAL AIRCRAFT PROCUREMENT, AIR FORCE

MILITONS OF DOLLARS

8,606.5

DATE: FEB 2000

9,539.6

		MILLIONS OF DOLLARS			_	
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 1999 QUANTITY COST	FY 2000 QUANTITY COST	FY 2001 QUANTITY COST	s E <u>C</u>
OTHER PRODUCTION CHARGES						
77 MISC	PRODUCTION CHARGES	А	249.7	370.8	398.5	U
COMMON I	ECM EQUIPMENT					
78 COMM	ON ECM EQUIPMENT	А	11.7	11.7	4.8	U
OTHER PI	RODUCTION CHARGES - SOF					
79 CANCI	ELLED ACCOUNT PY ADJUSTMENTS	А	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	

8,235.2

THIS PAGE INTENTIONALLY LEFT BLANK

FY 2001 AMENDED BUDGET REQUEST FEBRUARY 2000

SECTION 4:

P - 1 LINE ITEM DETAIL

THIS PAGE INTENTIONALLY LEFT BLANK

FY 01 AMENDED BUDGET REQUEST BUDGET ACTIVITY 01 – COMBAT AIRCRAFT FEBRUARY 2000

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item J	lustification								Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC	/BA/BSA/Item	Control Number	er					P-1 Line Item	Nomenclature		
Aircraft Procurement,	Air Force	, Budget	Activity 0)1, Comba	at Aircraft	t, Item No	. 01	F-22 (Raj	otor)		
Program Element for Code B Ite	ems:	N/A			Other Relate	d Program El	ements:				
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	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

0.000

2546.104

200.301

254.610

0.000

3011.807

163.249

188.238

0.000

4313.089

131.544

179.712

0.000

3967.237

98.959

110.201

0.000

3565.146

85.632

101.560

0.000

77.132

84.989

17762.760

24.937

94.347

109.066

36318.941

Description

Initial Spares (\$ M)

Total Proc Cost (\$ M)

Flyaway Unit Cost (\$ M)

Wpn Sys Unit Cost (\$ M)

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.

0.000

0.000

0.000

277.094

24,937

794.932

316.850

397,466

80.772

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

Exhibit P-5, Weapon System Cost Analysi	s							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cor								Nomenclature		
Aircraft Procurement, Air Force, E	Budget A	ctivity 01	l, Combat	Aircraft,	Item No	. 01	F-22 (Rap	otor)		
Manufacturer's Name/Plant City/State Location				Subline Item			•			
Weapon System	Ident				Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframes/CFE	A	2	195.900	391.800				10	120.811	1208.110
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						1724.279
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						2149.881
<u>Comments</u>										
		F	P-1 Shopping	List Item No	o. 01			-	System Co	-
								Ex	chibit P-5, p	age 2 of 10

Exhibit P-5A, Procurement	Histor	y and Pla	nning						Date: Februa	ary 2000	
Appropriation (Treasury) Code/Co	C/BA/BS	A/Item Cont	rol Number					P-1 Line Item N			
Aircraft Procurement,	, Air F	orce, B	udget Act	ivity 01,	Combat	Aircraft, I	ltem No. 01	F-22 (Rap	or)		
Weapon System					Subline Iter	m					
F-22											
									Date of	Specs	Date
			Location of	RFP Issue	Contract	Contract		Award	First	Available	Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Loca		Delivery	Now?	Available?
Lockheed Martin Corp	2	253.300	ASC/YF	Jan-98	SS	FFP	Lockheed Martin	Dec-9	98 Nov-01	Yes	
Lastin Cam	10	162.970	A CC/VE	M 00	CC	EED	I1-1 1 M	D (0 E-1 02	V	<u> </u>
Lockheed Martin Corp	10		ASC/YF	Mar-99	SS	FFP	Lockheed Martin	Dec-0		Yes	
Lockheed Martin Corp	16	131.658	ASC/YF	Mar-00	SS	FFP	Lockheed Martin	Dec-0	01 Nov-03	Yes	-
Pratt & Whitney	4	16.625	ASC/YF	Dec-97	SS	FFP	Pratt & Whitney	Dec-9	98 Jan-01	Yes	+
•											
Pratt & Whitney	20	10.892	ASC/YF	Jan-00	SS	FFP	Pratt & Whitney	Dec-0	00 May-02	Yes	
Pratt & Whitney	32	10.144	ASC/YF	Jan-01	SS	FFP	Pratt & Whitney	Dec-0	01 May-03	Yes	
Unit cost does not include non- Specs are available, however, t			ackage is a 'de	eferred deliv	very' option :	and is currently	y maintained by the cor	ntractor.			
spees are available, nowever, t	ne teem	near data pa	ickage is a de	refred defiv	cry option t	ind is currenti	y manitamed by the cor	mactor.			
				p.	1 Shopping	List Item No	0.01	Dr	ocurement h	listory and	d Planning
				•	· Chopping	, =:00 10111 140	• 1			nit P-5A. pa	•

Appropriation (Treasury) Code	/OO/DA/I	lule	O = = t = = 1.1	· · · · · · · ·	—	—												_	4 1 %	14 -						2000			—
Aircraft Procuremer					i.,;j4,	· · · · ·	٠ ,	aml	not.	۸ir	ora	.f4	l+on	∽ NI	<u>م</u> (11					m No		ıcıatı	ıre					
All Craft Frocusemen	II, An	FUICE				<u>/ U i</u>	<u>, C</u>	<u> </u>			EAR 19		llen	1/4	U. v	ול		Ι.	-22	(170	_		TT A D	2000					
	S		ACCEP. PRIOR	BALANCE DUE	<u> </u>	1998			FISC	AL YE		999 CALEI	NDAR	YEA	R 1999)	ļ				FISC		EAR :		EAR 2	2000		\dashv	L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Lockheed Martin Corp	USAF	2	0	2	${igsplus}$	\square	=																						
Lockheed Martin Corp	USAF	0	0	0	尸	口	=																						,
Lockheed Martin Corp	USAF	10	0	10	\models	\square	=																					\blacksquare	10
Lockheed Martin Corp	USAF	16	0	16	\models	\square	=																		_				1
Lockheed Martin Corp	USAF	24	0	24	\models	\Box	=					\blacksquare																=	2
Lockheed Martin Corp	USAF	36	0	36	\models		=																					=	3
Lockheed Martin Corp TOTAL	USAF	36 124	0	_		\Box	=																						3
IOIAL		127		1	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	12
				PRODUCTIO MIN SUST	SHIF:	T	M A	RF	EACHI	ED							UREM ADN LEAD	ΛIN		TIME	i.		,	ГОТАІ					
MANUFACTURER'S NAME Lockheed Martin Corp		Marietta, G 30063-0000	GA		DAYS	<u>S</u>	X 36	-	D+							PRI 1 C	IOR OCT	AF7	TER CT	4	MFG TIME			AFTEI 1 OCT	R				
		#			ot one in the property of t	\equiv	=	-			INITI.											41							
REMARKS					Ь			<u>. </u>			KLO:	DLK				<u> </u>							<u> </u>						

P-1 Shopping List Item No. 01

Production Schedule Exhibit P-21, page 4 of 10

Exhibit P-21 (2), Produc	tion Sc	nedule																			,	Jate	<i>:</i> : ⊢€	brur.	ary ?	2000	j		
Appropriation (Treasury) Code	e/CC/BA/「	BSA/Item	Control N	Jumber														P.	-1 Lir	ne Iter	∍m N	omer	nclat	ure					
Aircraft Procureme					ivit	v 0	1 C/	om′	hat	Δir	ors	.ft	lter	m N	٦U	01				(Ra									
	1	10100	ACCEP.	BALANCE		<u>y</u> .	1, 0	<u> </u>			EAR 20		<u></u>	<u> </u>	<u></u>			<u> </u>	<u></u>	1,,,		CAL Y		2002					т_
	S		PRIOR	DUE	-	2000	0	\top	FISC	ALII			NDAL	R YEAI	R 200	1				$\overline{}$	1130				YEAR 2	2002			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E	PROC. OTY	TO	AS OF	О		D	J	F	M	A	M	J	J	A A	S	О	N	D	J	F	M	ALLIND	M	J	J	Α	S	T
PRUCUKEMENT TEAK	R V	QII	1 OCT	1 OCT	C	О	E	Α	E	Α	P	Α	U	_	U	E	C	О	E	Α	E	Α	P	A	U		U	E	E
<u> </u>			2000	2000	T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
Lockheed Martin Corp	USAF	2	0	2	+	 	 '	↓—'	 '	↓ —'	₩'	——'	 '	↓ —'	₩	↓ —'	 '	1'	 —'	1			₩	+	₩	+	↓ —'	 '	0
Lockheed Martin Corp	USAF	0	0	0	.+	+		+'	+'	+'	+-		+'	+'	+-	+'	+-	+'	+'	+'	+		\leftarrow	+-	+-	+-	+'	+'	0
Lockieca Maran Corp	0.57.1.	+ - +			+	+	\vdash	+	\vdash	+	+	\Box	\vdash	+-	+	+-	\vdash	+	+	\vdash	+	\vdash	+	+	+	+	+	+	
Lockheed Martin Corp	USAF	10	0	10	二	#					\bot	\Box			匸									二		二			10
	772.45		<u> </u>		二	₽'	┌─ '	Ӷ'	┌_'	┌'	₽'	—'	┌_'	厂'		厂'	┌_'	┌'	┌'	┌_'	二.	┌′	匚	二	二	二	₽'	┌_'	
Lockheed Martin Corp	USAF	16	0	16	+	↓ —'	 	↓ —'	 '	↓ —'	↓ —'	—–′	 '	↓ —'	₩	↓ —'	 '	↓ —'	↓ —'	 '	+		₩	+	+	+	 —'	↓ —'	16
Lockheed Martin Corp	USAF	24	0	24	.+	+		+'	+'	+'	+-	$\overline{}$	+'	 '	+-	 '	\vdash	+'	+	+'	+		1	+-	+-	+	+'	+'	24
Lockiecu Marin Corp	0.07.1.	++			+	+	\vdash	+	\vdash	+-	+	$\overline{}$	\vdash	+	+-	+	\vdash	+-	+	\vdash	+	\vdash	1	+-	+-	+	+	+	
Lockheed Martin Corp	USAF	36	0	36	1	†								† <u></u> '		† <u></u> '											†		36
			'			⋣ '		# '	₽'	┌ '	'	┌'	₽'	'		'	_ '	┌ '	┌ '	₽'	T	┌ '					ַ בַּי	┌'	
Lockheed Martin Corp	USAF	36				↓ '	<u>Г</u>	Д'	<u>Г</u> '	—′	—'	—'	<u>Г</u> '	——'	<u> </u>	——'	<u>-</u> '	<u>↓</u> '	ــــــــــــــــــــــــــــــــــــــ	بَ '		<u>Г</u>	4	Щ.	<u> </u>	Щ.	↓'	—'	36
TOTAL		124	0	124	_	NT.		+-'	 1 7	1	1	1	+	 	+-	c	1	1	1	1 1 '	+ T	1	4	- M	+-	+-	+'	1	122
					O	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A		J U	A U	S E	1
					T	v	C	N	В	R	R	Y	N		G		T	V	C	N	В	R	R	Y			G	P	1
		T		PRODUCTIO				+		<u> </u>		<u> </u>	<u> </u>				CUREM					<u> </u>		<u> </u>	<u> </u>	+=	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	
				MIN	SHIF		M			,								MIN											
				SUST	HOU		A	RF	EACHE	ED	1					,	LEAD) TIME	<u> </u>	1	- 100		1 .	TOTAL	L				
MANUFACTURER'S NAME		LOCATION Mariatta G		+	DAY	S	X 36	+	D+	'	4					DR	TOD	1 AE	ALLED		MFG TIME			AFTE					
Lockheed Martin Corp		Marietta, G 30063-0000				1	30			,	1						NOR OCT		TER OCT	1	THVIE		1	1 OCT	ſ				
i e		30003-000	<u> </u>	+	+-	—	<u> </u>	1		,	1					10	C1	1	Ci	1		,	1						
		† <u></u>				=		1			INITL								$\overline{}$			41				1			
								Ш.		'	REOF	RDER														1			
REMARKS		. , ,		* *************************************							2.1																		
Initial MFG time reflects Advanced Pro	curement. It	is the number	er of months	from PRTV to	ong lead	d award	d (Jun 98	ड) untıı	the de	elivery	of the	first p	roduct	tion air	craft (Nov U	1).												
i																													

P-1 Shopping List Item No. 01

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

O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J A S O N D J J F M A M J J J J A S O N D J J F M J J J A S O N D J J F M J J J A S O N D J J F M J J J J A S O N D J J J J A S O N D J J J J J A S O N D J J J J J A S O N D J J J J J J J J J J J J J J J J J J		20/04/0																				L	Jaic	e: Fe	biuc	41 y Z	.000			
S PROC.	Aircraft Procuremen																								ire					
S PROC PRO	, 0 	ıt, Air	Force	, Bude	get Act	ivit	y 01	I, Co	omł	oat	Air	cra	ft, I	lten	n N	o. ()1		F	-22	(Ra	apto	or)							
PROCUREMENT YEAR PROCUREMENT		1	T									EAR 20	003										CAL Y	EAR 2						L
PROCUREMENT YEAR R OTY 10CT 10CT 10CT 10CT 10CT 10CT 10CT 10CT	ITEM/MANUFACTURER/		PROC.		_																						004			A
Lockheed Martin Corp USAF 10 0 10 11 11 11 11 11 11 11		R		1 OCT	1 OCT	C	О	E	Α	E	Α	P	Α	U	U	U	E	C	О	Е	A	E	Α	P	Α	U		U	E	T E R
Lockheed Martin Corp	Lockheed Martin Corp	USAF	2	2	0	 			\sqsubseteq																				#	0
Lockheed Martin Corp USAF 16 0 16 17 18 18 18 18 18 18 18 18 18	Lockheed Martin Corp	USAF	0	0	0	<u> </u>			\sqsubseteq	\sqsubset	H																		#	0
Lockheed Martin Corp USAF 24 0 24	Lockheed Martin Corp	USAF	10	0	10	十			\sqsubseteq	1	1	1	1	1	1	1	1	1	1										\Rightarrow	0
Lockheed Martin Corp	Lockheed Martin Corp	USAF	16	0	16	<u> </u>			\models	\sqsubset									1	1	1	2	1	2	2	1	2	2	1	0
Cockheed Martin Corp	Lockheed Martin Corp	USAF	24	0	24				${oxdiv}$	\sqsubset																			1	23
TOTAL 124 2 122 0 0 N D T T N D T T N D T T N D T T T T T T	Lockheed Martin Corp	USAF	36	0	36				世																				\Rightarrow	36
O		USAF							\sqsubseteq	\sqsubseteq'																			\Rightarrow	36
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	TOTAL		124	2	122		L	<u> </u>	'ـــِـــٰ	-	1	1	1	1	1	1	1	1		1	1		1	_	2	1		-	2	95
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						C T	O V	E	Α	E	Α	P	Α	U		U G	E P	C T	O V	E C	A N	E B	Α	P	Α	U		U	E P	
MANUFACTURER'S NAME LOCATION DAYS X D+ Lockheed Martin Corp Marietta, GA 30063-0000 MFG 1 OCT 1 OCT 1 OCT 1 OCT 1 OCT 4 1 OCT					MIN	SHIF	Т		RI	FACH	ED							ADI	MIN		TIME	<u>. </u>								
Lockheed Martin Corp Marietta, GA 36 9RIOR AFTER TIME 1 OCT 1 OC	MANUFACTURER'S NAME		LOCATIO	N	3051				1		30					ļ	· 1	LLAL	111711	•		MFG								
REORDER REORDER	Lockheed Martin Corp							36														TIME								
					<u> </u>				1														41							
	DEMANUE				<u></u>	Ь		Ь	Щ			REOR	DER				<u> </u>													
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).		urement It	is the numb	er of months	from PRTV le	ong lea	d awar	d (Iun 9	R) unti	the d	elivery	of the	first n	roduct	ion air	rcraft (Nov 0	1)												

P-1 Shopping List Item No. 01

Production Schedule Exhibit P-21 (3), page 6 of 10

S PROC PRO	Aircraft Procuremen	t, Air						-														-	-	_				-	-	-
S PROC PRO	ITEM/MANUFACTURER/	S	Force	. Bude															P-′	1 Lin	e Iter	n No	men	clatu	ıre					
S	ITEM/MANUFACTURER/	S		, —;	get Act	ivity	y 01	i, Co	omł	oat	Air	cra	ft, l	lten	n N	o. ()1		F-	-22	(Ra	apto	or)							
Figure Procure Procu				ACCEP.	BALANCE							EAR 20	005								<u> </u>		CAL Y							L
PROCUREMENT FEAR	PROCUREMENT YEAR	E									M							_	N	D			_		_		006		C	A T
Lockheed Martin Corp USAF O O O O O O O O O O O O O			QTY	1 OCT	1 OCT	C	О	E	Α	E	Α	P	A	U	U	U	E	С	О	E	Α		A	P	Α	U		U	E	E R
Lockheed Martin Corp USAF 10 10 0 0 0 0 0 0 0 0 0 0	Lockheed Martin Corp	USAF	2	2	0						\square							〓	\blacksquare	=		=							=	(
Lockheed Martin Corp USAF 16 16 10 0 0 0 0 0 0 0 0 0 0 0 0	Lockheed Martin Corp	USAF	0	0	0						\square							H		\blacksquare										(
Lockheed Martin Corp USAF 24 1 23 2 2 2 2 2 2 2 3 2 2 3 4 4 4 4 4 4 4 4 4 4 4 4	Lockheed Martin Corp	USAF	10	10	0		\Box				\square							一	\square	\blacksquare			=						=	(
Lockheed Martin Corp	Lockheed Martin Corp	USAF	16	16	0						\square							\blacksquare												(
Lockheed Martin Corp USAF 36 0 36 0 36 0 36 0 37 40 40 40 40 40 40 40 40 40 4	Lockheed Martin Corp	USAF	24	1	23	2	2	2	2	2	2	2	3	2	2	2			\square	二	二	=							=	(
TOTAL 124 29 95 2 2 2 2 2 2 2 2 3 3 2 3 3 2 3 3 4 3 3 4 3 3 2 2 3 3 4 3 3 4 3 3 2 2 3 3 3 4 3 3 4 3 3 2 3 3 4 3 3 4 3 3 2 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 3 4 3 4 3 4 3 4 3 4 4 3 4 5 4 5	Lockheed Martin Corp	USAF	36	0	36					H	\square					1	3	2	3	2	2	3	3	4	3	3	2	2	3	(
TOTAL 124 29 95 2 2 2 2 2 2 2 2 2 2 2 2 2 3 3 2 2 3 3 3 4 3 3 3 2 2 3 3 3 4 3 3 3 2 2 3 3 3 4 3 3 3 2 2 3 3 3 4 3 3 3 2 2 3 3 3 4 3 3 3 2 2 3 3 3 3	Lockheed Martin Corp	USAF	36	0	36		$\vdash \vdash$	 	+-+	$\vdash \vdash$	\vdash	\vdash			-	\vdash	\vdash	\Box		-	\Box	-+	-	一	\vdash	$\vdash \vdash \vdash$	\Box	\Box	-+	36
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	•		124	29	95				_								_		Ÿ			-		<u> </u>	3					36
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						C	О	E	Α	E	Α	P	A	U	U	U	E	C	О	E	Α	E	A	P	Α	U	U	U	E	
$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$						_		3.4									PROC			EAD	TIME			_			$\overline{}$			
MANUFACTURER'S NAME									RF	EACHI	ED						J				l		l	Ι,	TOTAL		l			
Lockheed Martin Corp Manetta, GA 36 30063-0000 1 OCT 1 OCT								X]											l				l			
REORDER	Lockheed Martin Corp							36														ГІМЕ								
									<u> </u>									_					41							
REMARKS	REMARKS		<u> </u>			1			Ь—			KEUr	EDEK				Щ							Щ_					—	

P-1 Shopping List Item No. 01

Production Schedule Exhibit P-21 (4), page 7 of 10

Exhibit P-43 p.1, Simulat	or and Training De	evice Justification	on (\$ M)			D	ate: February 200	0
Appropriation (Treasury) Code	CC/BA/BSA/Item Cont	rol Number				P-1 Line Item Non	nenclature	
Aircraft Procuremer	nt, Air Force, B	udget Activit	y 01, Combat	Aircraft, Iten	n No. 01	F-22 (Rapto	or)	
Weapon System F-22								
Equipment Nomenclature:	Unit Training Device	ee (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

Exhibit P-43 p.2, Sim	ulator and Tra	aining Device	Justification	(\$ M)				Date: F	ebruary 2000	
Appropriation (Treasury) C Aircraft Procuren)1, Combat	Aircraft, I	tem No. 01		e Item Nomencla (Raptor)	ture	
Weapon System F-22										
Equipment Nomenclatu	ure: Unit Train	ing Device (UT	D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY	1999	FY :	2000	FY 2	2001
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT						
Egress									1	1.273
Weapons									10	14.853
Full Mission Trainers									1	22.788
<u>TOTAL</u>					•		•		12	38.914

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 9 of 10

and Training	g Device Just	tification (\$ I	VI)				Date: Fet	oruary 2000	
		ctivity 01,	Combat A	ircraft, Iten	n No. 01			е	
ircrew Traine	rs								
FY	1999	FY	2000	FY 20	001	To Con	nplete	Total C	Costs
QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
	•		•		•	•			
				12	38.914	20	20.395	32	89.309
				12	38.914	20	20.395	32	89.309
				12	38.914	20	20.395	32	89.309
	Air Force FY	C/BA/BSA/Item Control Number Air Force, Budget A Frequency Frequen	C/BA/BSA/Item Control Number Air Force, Budget Activity 01, Ircrew Trainers FY 1999 FY	Air Force, Budget Activity 01, Combat A Frequency Trainers FY 1999 FY 2000	FY 1999 FY 2000 FY 20 QTY COST QTY 12 12 12	FY 1999	P-1 Line It F-22 (R FY 1999 FY 2000 FY 2001 To Con QTY COST QTY COST QTY COST QTY COST QTY 200 12 38.914 20 20 20 20 20 20 20 2	P-1 Line Item Nomenclatur P-1 Line Item Nomenclatur P-22 (Raptor)	FY 1999

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 10 of 10

Exhibit P-40, Budget Item .	Justificatio	n							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/C0	C/BA/BSA/Item	n Control Numb	er					P-1 Line Item	Nomenclature)	
Aircraft Procurement,	, Air Forc	e, Budget	Activity 0	1, Comba	at Aircraf	t, Item No	. 02	F-22 (Ra	ptor) Adv	ance Pro	curement
Program Element for Code B It	tems:	N/A			Other Relate	ed Program E	lements:				
	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)			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

Exhibit P-10 p.1, Ac	lvance Prod	curement Re	equirements	S Analysis						Date: Febr	uary 2000	
(Page 1 - Funding) Appropriation (Treasury) Aircraft Procure				tivity 01,	Combat	Aircraft, l	tem No.		P-1 Line Item N F-22 (Rap		nce Proc	uremen
Weapon System			-	-		First System	Award Date	<u></u>		First System	Completion	Date
F-22AP							Jun-	-98		-	Nov-01	
					(\$ in N	Iillions)				•		
Description	PLT	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	<u>Total</u>
End Item Qty				2		10	16	24	36	36	209	333
CFE GFE			71.291	176.670	239.694	341.904	267.718	275.444	201.974	203.350	929.225	2707.270
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.

P-1 Shopping List Item No. 02

Advance Procurement Requirements Analysis (Page 1 - Funding)
Exhibit P-10 p.1, page 2 of 3

Exhibit P-10 p.2, Advance (Page 2 - Budget Justificat	Procurement Requirements A	Analysis			Date: Febru	ary 2000
Appropriation (Treasury) Code/Co	•			P-1 L	ine Item Nomenclature	
Aircraft Procurement	, Air Force, Budget Acti	vity 01, Comba	nt Aircraft, Item N	o. 02 F-2	2 (Raptor) Advar	nce Procurement
Weapon System						
F-22AP						
		(TOA,	\$ in Millions)	1		
<u>Description</u>	PLT	<u>QPA</u>	<u>Unit Cost</u>	FY 2001 QTY	FY 2001 Contract Forecast Date	FY 2001 Total Cost Request
End Item						_ _
		<u>I</u>	L	I	_ L	_ L
CFE			21.369	1	6 Dec-00	341.904
GFE						
EOQ						
Design			3.395	1	6 Dec-00	54.318
Term Liability						
						20120
TOTAL AP						396.222
CFE represents required fundin Contract Forecast Date reflects	g for Diminishing Manufacturing S ng for Contractor Furnished Equip s advanced procurement date for L 35 months for Air Vehicle and 27 to	oment (CFE). Lot 3.				

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

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Numb	er					P-1 Line Iter	m Nomenclatu	re	
Aircraft Procurement	, Air Forc	e, Budget	Activity	01, Comba	at Aircra	ft, Item N	lo. 03	F-15E			
Program Element for Code B I	tems:	N/A			Other Rela	ted Program	Elements:	•			
	ID Code	FY 2003	FY 2004	FY 2005	To Comp	Total					
Proc Qty	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 infared 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 (CPTs), 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

Exhibit P-5, Weapon System Cost Analysis	1							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont							P-1 Line Item N	Nomenclatur	е	
Aircraft Procurement, Air Force, B	udget A	ctivity 0	1, Comba	t Aircraft,	Item No.	03	F-15E			
Manufacturer's Name/Plant City/State Location				Subline Item	1					
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A				5	0.000				
Airframe/CFE	A				5	0.000				
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						267.286			
Anticipated Reprogramming of Adv. Proc.	A						24.290			
TOTAL AVAILABLE FUNDS	A						291.576			
TOTAL PROGRAM										
Comments	•		•			•		-		
The Air Force is in the initial phase of price negot	iation with	the control	nton and avvaiti	na a datailad	aast nranasal	L Egyoroble	nniage and ad	ditional ros	ourage may be	
1 1	iation with	the contrac	toi and awaiti	ng a detaned	cost proposai	i. Favorable	e prices and ad	uitionai ies	ources may be	
necessary.										
			P-1 Shoppin	a List Item N	lo. 03			Weapoi	n System Cos	t Analysis
				G - 1 - 1 - 1 - 1				-	Exhibit P-5.	-

Exhibit P-5A, Procurement	Histor	y and Pla	nning				,		Da	ate: Februai	ry 2000	
Appropriation (Treasury) Code/CC Aircraft Procurement,				ivity 01,	, Combat	Aircraft, I	Item No. 03	P-1 Lin	ne Item Nome 5E	enclature		
Weapon System					Subline Iter	m						
F-15E												
	T									Date of	Specs	Date
1	'	1	Location of	RFP Issue	Contract	Contract			Award	First	Available	Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Type	Contractor and Local	ıtion	Date	Delivery	Now?	Available?
Air Vehicle FY96	6	34.300	ASC/FBA	,	FFP	FFP	BOEING		Dec-96	Apr-99	Yes	7
FY97	6	33.300	ASC/FBA		FFP	FFP	BOEING		Feb-97	Sep-99	Yes	7
FY98	5	35.300	ASC/FBA		FFP	FFP	BOEING		Nov-97	Nov-99	Yes	7
FY00	5	55.730	ASC/FBA		FFP	FFP	The Boeing Compan	ıy	Apr-00	Dec-03	No	7
Propulsion	1 '					1		-				
FY96	12	7.500	ASC/LP		FFP	FFP	PRATT & WHITNE	Σ <mark>Υ</mark>	Nov-96	Sep-98	Yes	1
FY97	12	8.500	ASC/LP		FFP	FFP	PRATT & WHITNE	₹ Y	Apr-97	Feb-99	Yes	
FY98	10	8.600	ASC/LP		FFP	FFP	PRATT & WHITNE	₹ Y	Feb-98	Apr-99	Yes	
FY00	10	4.474	ASC/LP		FFP	FFP	PRATT & WHITNE	₹ Y	Apr-00	May-02	Yes	
ALQ-135	1 7	<u>'</u>										
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								-		.1	.L	

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

Exhibit P-21, Production																		Ļ						ebrua	aly z	2000			
Appropriation (Treasury) Cod						- A	4 0	!	!4	4 1.		C 4. [" 1 ~	~ NI	- 1	•				ne Ite	m N	omer	nclat	ure					
Aircraft Procureme	nt, Air	Force				y 0	1, C	<u>om</u> r					iten	n N	lo. (<u>)3</u>		F	-15	<u> </u>									
	S		ACCEP.						FISC	CAL Y	EAR 19										FIS	SCAL Y							L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		1998		Ļ					NDAR			_				Ļ			_	IDAR Y	_	_			A
PROCUREMENT YEAR	R	QTY	TO	AS OF	0		D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M			J	J	A	S	T
	V		1 OCT	1 OCT	C	O	E	A	E		P	A Y	U	U	U	Е	C T	O V	E C	A	E	A			U	U		E P	E
FY96 BUY	USAF	6	1998	1998	T	V	С	N	В	R	R 1	Y	N	L	G 2	P 3	1	V	C	N	В	R	R	Y	N	L	G	P	R
FY96 BUY FY97 BUY	USAF	6	0			+-	+	+'	+-	+-	1	-	\vdash			3	3	3	-	┼	+-	+-	$+\!\!-$	+-	+	\leftarrow	+	┼─	
FY98 BUY	USAF	5	0			+-	+	+	+	+-	+	\vdash	\vdash				3		2	2	1	+-	+	+	 	+-	+	\vdash	
FY00 BUY	USAF	5	0			+-	+	+	+-	+-	+	\vdash	\vdash						<u> </u>		-	+-	+	+	 	+-	+	\vdash	
PEACE SUN IX	FMS	72	45			. 1	2	. 0	2	: 4	4	2	5	2	1				\vdash	 	+-	+-	+	-	 	+-	+-	\vdash	
PEACE FOX VI	FMS	25	15					_	_	_	_	٣		-	-				-	+-	+-	+-	+	+	 	+-	+	\vdash	
TOTAL	1 1115	119	60			_			_			2	5	2	3	3	3	3	2	2	1	+	+	+-	+	+-	+-	+-	
TOTAL		11/			0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	\vdash
1					C	o	E	A	E		P	A	U	U	U	E	C	O	E	A	E	A			U	U		E	
1					T	v	C	N	В		R	Y	N	L	G	P	T	V	C	N	В	R			N	L	G	P	
		T		PRODUCTIO				+			 			_						TIME						十一		<u> </u>	
ı				MIN	SHIF		M	1									ADM			Ť			T			t			
1				SUST	HOU		A	RF	EACH	1ED						I	LEAD		,		MEC	,		TOTA	L				
MANUFACTURER'S NAME		LOCATIO	N		DAY	/S	X		D+												MFG TIME			AFTE	R				
The Boeing Company		1		1	. 4		5	FY96			1					PRI	OR	AFT	ER	1	I HVII	크		1 OCT	ľ				
P.O. Box 516								FY97	7,							10	CT	10	CT				<u></u>						
St. Louis, MO 63316					\Box			and F			INITL											33			33				
		T		T	T			USAF	F		REOR	₹DER											T			1			
1								Buys	are								1												
1								for																					
1								attritio																					
1								reserv									1												
<u></u>							<u></u>	aircra	ıft.		<u> </u>									<u> </u>						<u> </u>			
REMARKS																													
FY96, FY97, and FY98 USAF Buys ar	e for attrition	reserve aircr	aft.																										
1																													
1																													
1																													
1																													
1																													
1																													
1																													
ı																													
1																													
1																													
																													
						,	P-1 S	hoprد	pinç	Lis† ر	t Iter	n No	ა. 03	3										ŀ	Proc	Juc	tion	Sch	₄edι

Exhibit P-21, page 4 of 6

Exhibit P-21 (2), Produc	tion Scl	nedule																				Date	e: Fe	brua	ary 2	000			
Appropriation (Treasury) Code	e/CC/BA/E	3SA/Item	Control I	Number														P-1	1 Lin	e Ite	m No	mer	nclatu	re					
Aircraft Procureme					ivit	v 01	ı c	om	hat	Δir	·crs	ft I	lten	n N	lo (กร			15										
Anciantifoculcine	, An	1 0100	ACCEP.	BALANCE		y 0	, 0	01111		CAL Y			iteii		. ·	55		'	10	_	EICC	7 4 1 3	EAR :	2002				-	т
	S		PRIOR	DUE		2000)		LISC	AL I		CALE	NDAR	YEA	R 2001						LISC		LEND		EAR 20	002			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R	PROC. QTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	T
TROCOREMENT TEAR	V	QII	1 OCT	1 OCT	C	О	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	E
FY00 Buy	USAF	5	2000	2000	T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R 3
TOTAL	USAF	5		5																				1			1		3
1011111			l		О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	A	S	
					C	О	E	A	E	Α	P	Α	U	U	U	E	C	О	E	Α	E	Α	P	A	U	U	U	E	
				Inn on Light	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				PRODUCTION MIN	SHIF		M									PROC	UREME ADM		EAD	TIME	1								
				SUST	HOU		A	R	EACH	ED						I	LEAD T) (EC		7	ГОТАІ	_				
MANUFACTURER'S NAME		LOCATIO	N		DAY		X		D+												MFG TIME			AFTEI	₹				
The Boeing Company				1	4		5									PRI		AFT			TIME			1 OCT	'				
P.O. Box 516 St. Louis, MO 63316								FY97 and F			INIT	ΙΔΙ				10	CT	1 00	CT			33			33				
5t. Louis, WO 05510								USA				RDER										33			33				
								Buys																					
								for																					
								attriti																					
								aircra																					
REMARKS					•																								
FY96, FY97, and FY98 USAF Buys are	e for attrition	reserve airci	raft.																										
1																													
							P-1 S	hon	ning	Lie	t Ite	n No	2 03												Prod	luct	ion S	che	dule
						'	-10	πορ	אַרוויק	LIS	i itei	11 110	J. UJ	,									Fvŀ						of 6
																								וואונ	2	۷, ۲	,, pa	y c J	01 0

Exhibit P-21 (3), Produc	tion Sch	nedule																Ī				Date	: Fe	brua	ary 2	000			
Appropriation (Treasury) Code			Control N	Number														P-1	Line	e Itei	m No	men	clatu	re					
Aircraft Procureme					ivit	v 01	C	oml	hat	Δir	cra	aft l	lten	n N	lo (03			151										
7 til Grant i 100al ollio		1 0.00	ACCEP.	BALANCE	. V . C.	, •	, •	J		CAL Y								ļ.			FISC	'AI V	EAR 2	004				1	L
ITEM/MANUFACTURER/	S	PROC.	PRIOR	DUE		2002			1150	AL I		CALE	NDAR	YEA	R 2003	3					1150		LEND.		EAR 20	004			A
PROCUREMENT YEAR	E R	QTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	A	S		N	D	J	F	M	Α	M	J	J	Α	S	T
THOUGHENIERY TEAM	V	4.1	1 OCT	1 OCT	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U	U G	E P	E R
FY00 Buy	USAF	5	2002	2002	1	1	C	IN	<u>в</u>		K	1 1	N	L	G	P	1	V	C	IN	В	K	K	Y	N	L	G	Р	- K
TOTAL	00.11	5	2			1			1			1																	0
					0	N	D	J	F	M	A	M	J	J	A	S		N	D	J	F	M	A	M	J	J	A	S	
					C	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
				PRODUCTIO	•		C	IN	ь	K	K	1	IN	L			UREME					K	K	1	IN	L	U	Г	
				MIN	SHIF	T	M	Ī									ADM	IN											
MANUEL CEUDEDIG NAME		I OCATIO		SUST	HOU		A	RI	EACH	ED						I	LEAD T	IME			MFG			OTAL					
MANUFACTURER'S NAME The Boeing Company		LOCATIO)N	1	DAY 4	S	X 5	FY96	D+		1					PRI	OR	AFTI	₹R		TIME			AFTER OCT					
P.O. Box 516				1			3	FY97								10		1 00						001					
St. Louis, MO 63316								and F			INIT											33			33				
								USA			REO	RDER																	
								Buys for	are																				
								attriti	ion																				
								reser																					
REMARKS								aircra	111.							l .													
FY96, FY97, and FY98 USAF Buys are	for attrition	reserve aircr	aft.																										
ď																													
						F	P-1 S	hop	pina	List	t Iter	n No	o. 03	3										F	Prod	luct	ion s	Sche	edule
						•		-1-	. 3	,													Exh						6 of 6

Exhibit P-40, Budget Item J	Justificatio	n			Date: Fe	bruary 2000					
Appropriation (Treasury) Code/CC									em Nomenclatu		
Aircraft Procurement,	<u>, Air Forc</u>	e, Budget	Activity	01, Comba	at Aircra	ft, Item N	o. 04	F-15E A	Advance P	'rocurem	ent
Program Element for Code B Ite	tems:	N/A			Other Rela	ited Program l	Elements:				
	ID Code	Prior Years	FY 1999	FY 2000	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
Proc Qty	A	T									
Cost (\$ M)											
Advance Proc Cost (\$ M)				24.290							24.290
Weapon System Cost (\$ M)			Ī	24.290		1					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

P-1 Shopping List Item No. 04

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

Exhibit P-10 p.1, Ad (Page 1 - Funding)	Ivance Prod	curement Re	equirements	s Analysis						Date: Febr	uary 2000	
Appropriation (Treasury) Aircraft Procure				tivity 01,	Combat	Aircraft,	Item No.	04	P-1 Line Item F-15E Ad		ocuremer	nt
Weapon System						First Systen	n Award Date)		First Systen	n Completion	Date
F15EAP					(A							
Description	DI T	When Dad	Prior Years	FY 1999	(\$ in N FY 2000	Millions) FY 2001	FY 2002	FY 2003	FY 2004	EV 2005	To Comp	Total
End Item Qty	PLT	when Kqu	1,100	<u>F1 1999</u>	0	<u>F1 2001</u>	<u>F1 2002</u>	F1 2003	<u>F1 2004</u>	FY 2005	10 Collip	1,100
Life item Qty			1,100		0							1,100
CFE												
GFE												
700		_	1		T	T	T	_	<u> </u>	1		
EOQ												
Design Term Liability												
Term Liability												
TOTAL AP												
Description: This program is a Con procure 5 FY00 F-15E	-						vice intends	to request C	Congressional	approval to u	se these funds	to
				P.	1 Shopping	List Item N	o. 04	,	Advance Pro			- Funding)

Exhibit P-40, Budget Item	Justification								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/Co	C/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature		
Aircraft Procurement	Air Force	, Budget	Activity 0)1, Comba	at Aircraf	t, Item No	o. 05	F-16 C/D	(MYP)		
Program Element for Code B I	tems:	lements:									
	ID Code	Prior Years	FY 1999	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total		
Proc Qty	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

5.850

5.850

0.000

11.700

11.700

0.000

14.350

27.660

180.325

18.650

28.340

217.015

20.550

223.599

29.010

0.000

85.810

36352.690

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.

262.182

25.340

0.000

FY 2001 Program Justification

Initial Spares (\$ M)

Total Proc Cost (\$ M)

Flyaway Unit Cost (\$ M)

Wpn Sys Unit Cost (\$ M)

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.

35410.910

14,710

15.970

0.000

41.109

26.623

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.

P-1 Shopping List Item No. 05

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

Exhibit P-5, Weapon System Cost Analysis	i							Date: Feb	oruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont			_				P-1 Line Item N		е	
Aircraft Procurement, Air Force, B	udget A	ctivity 01	, Comba	t 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	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
I		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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.

P-1 Shopping List Item No. 05

Weapon System Cost Analysis Exhibit P-5, page 2 of 8

Exhibit P-5A, Procurement		•	_					ite: Februa	ry 2000	·		
Appropriation (Treasury) Code/CC				· · · · · · · · · · · · · · · · · · ·	0 h o 4	A!	Line No. OF		e Item Nome			
Aircraft Procurement,	Air F	orce, B	udget Act	ivity 01,	Combat	Aircraft, I	item No. 05	F-16	C/D (M)	/P)		
Weapon System					Subline Ite	m						
F-16												
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Loca	ıtion	Award Date	Date of First Delivery		Date Revisions Available?
FY1999	1				<u> </u>	71				† ·		
LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS-AIRFRAME	1	15.446	Ft Worth, TX		SS	FFP	LOCKHEED MART TACTICAL AIRCR SYSTEMS, FORT WORTH, TX		Dec-98	May-01	Yes	
GENERAL ELECTRIC-PROPULSI ON FY2000	1	4.404	G.E. Evandale, OH		С	FFP	GENERAL ELECTI EVANDALE, OH	RIC,	Dec-98	Dec-99	Yes	
LOCKHEED MARTIN TACTICAL AIRCRAFT SYSTEMS - AIRFRAME	10	14.427	Ft Worth, TX		SS	FFP	LOCKHEED MART TACTICAL AIRCR SYSTEMS, FORT WORTH, TX		Apr-00	Apr-02	No	Apr-00
GENERAL ELECTRIC-PROPULSI ON	10		Evandale, OH		С	FFP	GENERAL ELECTI EVANDALE, OH	RIC,	Dec-99	Dec-00	Yes	
FY2001	0	0.000	N/A		N/A	N/A						
<u>Remarks</u>												
				P-	·1 Shoppinç	g List Item No	o. 05		Proc		•	d Planning

Exhibit P-21, Production	Sched	lule																				Date	e: Fe	brua	ary 2	2000)		
Appropriation (Treasury) Code	/CC/BA/I	3SA/Item	Control N	lumber														P-	1 Lin	e Ite	m No	mer	nclatu	ıre					
Aircraft Procuremer					ivit	v 01	1 (aml	hat	Λir	cra	f#	Itor	n N	اما	N5		IF.	-16	C/I) (N	ЛV	D١						
All Craft i Toculeillei	ıı, All	1 0100			IVIL	y U	1, 0	JIIII				_	ILCI	11 13	10.	UJ			- 10	C/I	•								
	S		ACCEP.	BALANCE					FISC	CAL Y	EAR 1										FISC		YEAR :						L
ITEM/MANUFACTURER/	Ē	PROC.	PRIOR	DUE		1998				,	_		ENDAF		_								LENE	_	_	_			A
PROCUREMENT YEAR	R	OTY	TO	AS OF	O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	T
	V		1 OCT	1 OCT	C	0	Е	A	E	A	P	A	U	U	U	Е	C	0	E	A	E	A	P	A	U	U	U	E	E
I M TAC AID CVC AIDED AME	USAF	1	1998	1998	T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	R
L-M TAC AIR SYS- AIRFRAME -FY 99	USAF	1	0	1																									1
L-M TAC AIR SYS- AIRFRAME	USAF	10	0	10	1																		+						10
-FY 00	OSM	10	U	10																									10
L-M TAC AIR SYS- AIRFRAME	USAF	0	0	0							1																		0
-FY 01																													
L-M TAC AIR SYS- AIRFRAME	USAF	0	0	0																									0
-FY 02																													
L-M TAC AIR SYS- AIRFRAME -FY 03	USAF	6	0	6																									6
L-M TAC AIR SYS- AIRFRAME	USAF	7	0	7																									7
-FY 04																													
L-M TAC AIR SYS- AIRFRAME	USAF	7	0	7																									7
-FY 05																													
SINGAPORE II	FMS	18	14	4	2																								0
TAIWAN	FMS	150	102	48			4	4	4	4	4	4	4	4	4	4													0
GREECE V	FMS	40	38	2	2																								0
EGYPT V	FMS	21	0										1		2			2	2	2	2	2	2	2					0
TURKEY II	FMS	80	54				2	2	2		2	2		2				_	_				-						0
KOREAN FIGHTER	FMS	120	82	38	3	2	3	2	3	2	3	2	3	2	3	2	3	2	3				-						0
EGYPT VI	FMS	24 31	24	0									-										+						0
TOTAL		31	0	31	О	N	D	J	F	M	Α	M	J	J	A	S	О	N	D	J	F	M	Α	M	J	J	Α	S	31
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
					Т	v	C	N	В	R	R	Y	N	I.	G	P	T	v	C	N	В	R	R	Y	N	I.	G	P	
				PRODUCTIO	ON RA												UREN		LEAD										
				MIN	SHIF		M	ĺ									AD												
				SUST	HOU	IRS	Α	RI	EACH	ED							LEAD	TIME					,	ГОТАІ	т				
MANUFACTURER'S NAME		LOCATIO			DAY	S	X		D+												MFG			AFTE					
LOCKHEED MARTIN TACTICAL AIR	RCRAFT	FORT WO	ORTH, TX	4	1-8-5	5	2										IOR		ΓER		TIME			1 OCT					
SYSTEMS- AIRFRAME																1 0	OCT	1 C	CT										
					<u> </u>																								
		+			1			-			INIT	IAL RDER				1	3	-	5			35 24			38 29	4			
REMARKS					<u> </u>						KEU	KDEK						<u> </u>	3			24	<u> </u>		29				
PROJECTED FMS BUYS: NORWAY	20 A ID CD	AET: CDEEC	TE III 59 A	IDCD VET: ISI	OVEI	50 A I D	CDAET	,																					
TROJECTED I WIS BUTS. NORWAT	20 AIRCRA	TIT, OKEEC	EIII JOA	IKCKAI I, ISI	CALL	JU AII	CKAI																						

P-1 Shopping List Item No. 05

Production Schedule Exhibit P-21, page 4 of 8

ppropriation (Treasury) Code Aircraft Procureme					ivit [,]	v 01	ı c	amk	nat	Δir	cra	ft I	lton	n N	n (15						men //YF		ire					
Anciait i loculeillei	1	TOICE	ACCEP.	BALANCE		y U	1, 0	JIIIK		AL YE			ILCI	11 14	0. (<i>J J</i>	1		-10	C/L		CAL Y	_	2002					L
	S	PD C C	PRIOR	DUE		2000)		1100				NDAR	YEA	R 2001						110				EAR 2	002			A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 2000	AS OF 1 OCT 2000	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
L-M TAC AIR SYS - AIRFRAME FY99	USAF	1	0	1								1																	
L-M TAC AIR SYS - AIRFRAME FY00	USAF	10	0	10																			2	2	2	2	2		
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				L					_		_	_	_		_	_									
EGYPT VI	FMS	24	0					1	1	1	1	1	2	2	2	2	2	2	2	2	2	1							
OTAL		31	0	31	0	N	D	J	F	M	A	M M	J	J	A	S	0	N	D	J	F	M	2 A	2 M	2 	2 J	2 A	S	2
					C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
				PRODUCTIO	N RA	TES										PROC	UREM	IENT I	LEAD	TIME									
				MIN	SHIF		M											MIN	_										
		1		SUST	HOU		A	RE	EACH	ED							LEAD	TIME					7	ΓΟΤΑΙ					
IANUFACTURER'S NAME	on	LOCATIO			DAY		X	<u> </u>	D+							L		T / -			MFG			AFTE					
OCKHEED MARTIN TACTICAL AII YSTEMS - AIRFRAME	RCRAFT	FORT WO	ORTH, TX	4	1-8-5	5	2										IOR OCT	AFT 1 O			TIME			1 OCT					
											INITI REOF						3		3			35 24			38 29				
EMARKS		1		ı			L				LEGI					1									-/				

P-1 Shopping List Item No. 05

Production Schedule Exhibit P-21 (2), page 5 of 8

ITEM/MANUFACTURER/ PROCUREMENT YEAR	Air For	Ce, I				2002 N O V		omk			EAR 2		lten	n N	o. ()5				e Iter C/ [) (N	ΛYF							
ITEM/MANUFACTURER/ PROCUREMENT YEAR L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME FY00 L-M TAC AIR SYS - AIRFRAME FY01 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY03	S E PROGRY V AF AF AF	AC P 1 1 10 0	CCEP. PRIOR TO OCT 2002 1	BALANCE DUE AS OF 1 OCT 2002	O C	2002 N O	2 D				EAR 2		lten	n N	o. ()5		F-	16	C/E	_ `								
ITEM/MANUFACTURER/ PROCUREMENT YEAR L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME FY00 L-M TAC AIR SYS - AIRFRAME FY01 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY03	S E PROGRY V AF AF AF	AC P 1 1 10 0	CCEP. PRIOR TO OCT 2002 1	BALANCE DUE AS OF 1 OCT 2002	O C	2002 N O	2 D				EAR 2										_ `							—	
ITEM/MANUFACTURER/ PROCUREMENT YEAR L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME FY00 L-M TAC AIR SYS - AIRFRAME FY01 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY02 L-M TAC AIR SYS - AIRFRAME FY03	E PROO QTY V AF AF AF	P. P. 1 1 10 0	PRIOR TO OCT 2002 1	DUE AS OF 1 OCT 2002	O C	N O	D	J	FISC	AL I		003									DIC.	CAL Y							L
PROCUREMENT YEAR L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME USAFY00 L-M TAC AIR SYS - AIRFRAME USAFY01 L-M TAC AIR SYS - AIRFRAME USAFY02 L-M TAC AIR SYS - AIRFRAME USAFY03	R QTYV AF AF AF	1 10 0	TO OCT 2002 1	AS OF 1 OCT 2002	C	N O	D	J				CALE	NDAR	VΕΔΙ	R 2003	!					гыс		LEND.		EAR 2	004			A
L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME USAFY00 L-M TAC AIR SYS - AIRFRAME USAFY01 L-M TAC AIR SYS - AIRFRAME USAFY02 L-M TAC AIR SYS - AIRFRAME USAFY03	V AF AF AF	1 1 10 0	OCT 2002 1	1 OCT 2002 0	C	О			F	M	Α	M	J	J	A	S	О	N	D	J	F	M	A	M	J	J	Α	S	Т
L-M TAC AIR SYS - AIRFRAME FY99 L-M TAC AIR SYS - AIRFRAME USAFY00 L-M TAC AIR SYS - AIRFRAME USAFY01 L-M TAC AIR SYS - AIRFRAME USAFY02 L-M TAC AIR SYS - AIRFRAME USAFY03	AF AF AF	1 10 0	10	0	T	V		Α	E	Α	P	A	U	U	U	E	Č	O	E	A	E	A	P	Α	U	U	U	E	E
FY99 L-M TAC AIR SYS - AIRFRAME USAFY00 L-M TAC AIR SYS - AIRFRAME USAFY01 L-M TAC AIR SYS - AIRFRAME USAFY02 L-M TAC AIR SYS - AIRFRAME USAFY03	AF AF	0	10	Ü			С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	R
L-M TAC AIR SYS - AIRFRAME FY00 L-M TAC AIR SYS - AIRFRAME USAFY01 L-M TAC AIR SYS - AIRFRAME USAFY02 L-M TAC AIR SYS - AIRFRAME USAFY03	AF AF	0		0																									
FY00 L-M TAC AIR SYS - AIRFRAME USA FY01 L-M TAC AIR SYS - AIRFRAME USA FY02 L-M TAC AIR SYS - AIRFRAME USA FY03	AF AF	0		Λ																				<u> </u>					
L-M TAC AIR SYS - AIRFRAME USA FY01 L-M TAC AIR SYS - AIRFRAME USA FY02 L-M TAC AIR SYS - AIRFRAME USA FY03	AF		0	U																									
FY01 L-M TAC AIR SYS - AIRFRAME USA FY02 L-M TAC AIR SYS - AIRFRAME USA FY03	AF		Ω																				Ш	<u> </u>					
L-M TAC AIR SYS - AIRFRAME USA FY02 L-M TAC AIR SYS - AIRFRAME USA FY03		0	U	0																				Ì		1 1			
FY02 L-M TAC AIR SYS - AIRFRAME USA FY03																							ш	<u> </u>		ш			
L-M TAC AIR SYS - AIRFRAME USA FY03	AF	0	0	0																				1		i J			
FY03	AF		_	ļ	1	1	ļ				<u> </u>												igwdapprox	₽		ш			
	1	6	0	6	1	1																		İ		ı J			
L-M TAC AIR SYS - AIRFRAME TUSA				_	-																		igwdapprox	<u> </u>		$\vdash \vdash$		\longrightarrow	
	AF	7	0	7																				Ì		1 1			
FY04 L-M TAC AIR SYS - AIRFRAME USA	A.F.	7	0	7	+	-												-					$\vdash \vdash$	—		$\vdash \vdash$		\longrightarrow	
FY05	AF	/	U	/																				Ì		1 1			
SINGAPORE II FMS	c	18	18	0			-											-					\vdash	├─		$\vdash \!$		\longrightarrow	
TAIWAN FMS		50	150	0																			H	┢─		$\vdash \vdash$		-+	
GREECE V FMS		40	40	0																			\vdash	 		$\vdash \vdash$		-+	
EGYPT V FMS		21	21	0																			Н	 		$\vdash \vdash$		-+	
TURKEY II FMS		80	80	0																			H			\vdash		\rightarrow	
KOREAN FIGHTER FMS		20	120	0																			\vdash					-+	
EGYPT VI FMS		24	24	0																									
TOTAL		31	11	20																								-	2
	•			•	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	
					C	О	E	Α	E	Α	P	Α	U	U	U	E	C	О	E	Α	E	Α	P	Α	U	U	U	E	
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				PRODUCTIO	ON RA	TES										PROC	UREM	ENT I	EAD	TIME									
				MIN	SHIF		M										ADN						İ			l			
				SUST	HOU		A	RE	EACH	ED						I	LEAD	TIME					т	ГОТАІ	ī,	l			
MANUFACTURER'S NAME	LOCA			ļ.,	DAY		X		D+												MFG			AFTE					
OCKHEED MARTIN TACTICAL AIRCRA	AFT FORT	WORTI	H, TX	4	1-8-5	5	2									PRI		AFT			TIME			1 OCT	•	l			
SYSTEMS - AIRFRAME					-			1								1 O	CT	1 O	CT				İ			l			
				-	+			-			TATITU	. A T					2		2			25	├─		20	ł			
	+							-			INITI	RDER					3		3 5			35 24	<u> </u>		38 29	l			
REMARKS				ı							KEUI	NDEK							J			24	Щ_		29				
EWARKS																													

P-1 Shopping List Item No. 05

Production Schedule Exhibit P-21 (3), page 6 of 8

DA/DCA/Ita																					Date			A1 y 2	.000			
DA/DOA/III	em Cont	rol N	lumber														P-	1 Lin	e Iter	n No	men	clatu	ıre					
ir For	ce Bi	ıda	net Acti	ivit	v 0	l Co	ə mb	nat	Δir	cra	ft	lten	n N	o () 5		lF.	16	C/I) (N	ЛYF	D)						
111 1 01				VIL	, •	., .	J1111K					1101		<u> </u>		_			<u> </u>									
S					200			FISC	CAL Y			NID A D	375.41	D 2000				-		FISC				EADA	006]
E PRO				_			т	17	M					_			NI	D	т	17				_	_	Α.	C	
	′																		-									
V]
ΛF					· ·		11	ь	K	IX	1	11	L	U	1	1	•		14	ь	K	K	1	11	ь	U	1	H
	-	•																										
AF	10	10	0																									T
ΛF	0	0	0																									
AF	0	0	0																									
AF	6	0	6			2	2	2																				
VE.	7	0	7															2	2	2	- 1							₩
AF	/	0	/															2	2	2	1							
Æ	7	0	7		1																							₩
VI.	′	U	,																									
S	18	18	0																									\vdash
		40	0																									
1	21	21	0																									
		80	0																									
	31	11	20							<u> </u>									2	2	1							
				_																								
			DDODUCTIO			C	IN	Б	K	K	I	IN	L								K	K	1	IN	L	G	Р	
						М	1								I KOC			LIND	TIVIL									
							RF	EACH	ED						1							_						
LOCA	TION					X		D+												MFG								
T FORT	WORTH,	ГΧ	4	1-8-5	5	2				1					PRI	OR	AFT	ER		TIME								
															1 O	CT	1 O	CT					1001					
																3												
										REO	RDER							5			24			29				
2 I I I / / / / S S S S S S S S S S S S S	F F I LOCAL LOCAL	F 10 F 0 F 0 F 18 F 7 F 18 F 18 F 150 F 21 F 21 F 21 F 21 F 31 F 31 F 31 F 31 F 31 F 31 F 31 F 3	ACCEP. PRIOR TO 1 OCT 2004 F 1 1 1 F 10 10 F 0 0 F 0 0 F 7 0 F 7 0 F 7 0 F 7 0 F 150 150 ACCEP. BALANCE DUE AS OF 1 OCT 2004 F 1 1 1 0 0 F 10 10 0 0 F 0 0 0 0 F 0 0 0 7 F 7 0 7 F 8 18 18 0 0 F 150 150 0 0 F 100 120 0 0 F 120 12	ACCEP. BALANCE DUE AS OF O 1 OCT C 2004 TO TO 1 OCT C 2004 TO TO TO TO TO TO TO TO TO TO TO TO TO	ACCEP. BALANCE PROC. OTY TO AS OF ON N TO AS OF ON N TO AS OF ON N TO AS OF ON N TO AS OF ON N TO AS OF ON N TO ON TO ON N TO ON TO ON N TO ON TO ON N TO ON TO ON N TO ON TO ON N TO ON T	ACCEP. BALANCE	ACCEP.	ACCEP. PRIOR TO AS OF 1 OCT 2004 TO O N D J F A E A E A E A E A E A E A E A E A E A	ACCEP. BALANCE	ACCEP. BALANCE	ACCEP. BALANCE TISCAL YEAR 2005 TO AS OF O N D J F M A	ACCEP. BALANCE DUE 2004 CALENDAR AS OF TO TO AS OF TO TO AS OF TO TO TO TO TO TO TO	ACCEP. BALANCE DUE AS OF O N D J F M A M J J J	ACCEP. BALANCE DUE TO AS OF 1 OCT 2004 CALENDAR YEAR 2005 CALENDAR YEAR 2	PROC. OTY OTY OTH OT	ACCEP. BALANCE 2004 CALENDAR YEAR 2005 CA	ACCEP. PRIOR DUE TO AS OF TO TO AS OF TO AS OF TO AS OF TO AS OF TO TO AS OF TO AS OF TO TO AS OF TO TO TO TO TO TO TO	ACCEP. PRIOR O N D J F M A M J J A S O N D D E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A E A P A U U U E C O E A E	ACCEP. PRIOR DUE TO AS OF TO A	ACCEP. PRIOR DUE	ACCEP. BALANCE DUE	Figure Color Figure Fi	Figure Section Figure PROC. PRIOR PRIOR PRIOR TO ACCEPT PRIOR TO ACCEPT PRIOR TO ACCEPT PRIOR TO ACCEPT ACCEPT TO ACCEPT TO ACCEPT TO ACCEPT TO ACCEPT ACCEPT TO ACCEPT ACCEPT TO ACCEPT T	ACCES	ACCE PROC OT FISCAL YEAR 2005 FISCAL YEAR 2005 CALENDA YE	ACCEP BALANCE COLUMN C		

P-1 Shopping List Item No. 05

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

nt, Air	Force	, Bud	get Act	ivit	y 01	1, Co	omk					lten	<u>n N</u>	o. ()5		F.	-16	C/[) (N	ЛYF	<u> </u>						
S								FISC	AL YI											FISC								I
E	PROC. OTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	A T
V				C T	O V	E C									E P	C T	O V						A Y				E P	F R
USAF	1	1				-													·									
USAF	10	10	0																									
USAF	0	0	0																									
USAF	0	0	0																									
USAF	6	6	0																									
USAF	7	7	0																									
USAF	7	0	7			2	2	2	1																			
FMS	18	18	0																							₩		-
FMS	150	150																										
FMS	40	40	0																							1		
FMS	21	21	0																									
FMS	80	80	0																							1		
																										1		
																										1		
1 1/10			7			2	2	2	1							1								_		╆		┢
	31	24	,	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	
			PRODUCTIO			C	N	В	R	R	Y	N	L								R	R	Y	N	L	G	Р	<u> </u>
						М									INOC				111/11									
	LOCATIC)N	SUST	HOU	RS	A	RE		ED						1					MEG								
RCRAFT			4			2		D,		1																		
	1									INITE	A T										25			20				
	+															3		5			24			29	1			
																		-										
	s E R V USAF USAF USAF USAF USAF USAF USAF USAF	S E PROC. QTY V USAF 10 USAF 0 USAF 0 USAF 6 USAF 7 USAF 7 USAF 7 USAF 7 FMS 18 FMS 150 FMS 21 FMS 21 FMS 80 FMS 120 FMS 24 31	S	S	S	Name	S	S PROC. PROC. PRIOR TO AS OF O N D J	Name	S	Acceptor Balance Bal	No. Air Force, Budget Activity 01, Combat Aircraft, S	Name	Accep. Balance Due Calendary Combat Aircraft, Item Name Calendary Calendar	Accep. Balance Proc. Rectangle Balance Proc. Pro	Accep. Balance Fiscal year 2007 Combat Aircraft, Item No. 05	Name	S	S	S	No. S	No. 05 F-16 C/D (MY No. 05 F-16 C/D (MY No. 05 No. 0	No. Comparison Accepage	S	No. Compare California Cal	S		

P-1 Shopping List Item No. 05

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

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000	
Appropriation (Treasury) Code/C	C/BA/BSA/Iten	n Control Numb	er					P-1 Line Ite	m Nomenclatu	re	
Aircraft Procurement	, Air Forc	e, Budget	Activity (1, Comba	at Aircra	ft, Item N	lo. 06	F-16 Ad	vance Pr	ocuremer	nt
Program Element for Code B I	tems:	N/A			Other Rela	ted 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)			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

Exhibit P-10 p.1, Ac (Page 1 - Funding)	lvance Prod	curement Re	equirements	s Analysis						Date: Febr	uary 2000	
Appropriation (Treasury) Aircraft Procure				tivity 01,	Combat	Aircraft,	Item No.		P-1 Line Item I	Nomenclature	curement	
Weapon System						First System	Award Date	:		First System	Completion	Date
F-16AP												
		T	I		•	Millions)			T	T	- ~ I	
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	<u>FY 1999</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	<u>Total</u>
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 related end item is fun				were an FY	00 Congressi	onal Plus-up						
				P-	1 Shopping	List Item No	o. 06	Ā	dvance Pro	curement R Exhibi		- Funding)

FY 01 AMENDED BUDGET REQUEST BUDGET ACTIVITY 02 – AIRLIFT AIRCRAFT FEBRUARY 2000

THIS PAGE INTENTIONALLY LEFT BLANK

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 Airc	raft, Item No. 07 C-17A (MYP)
Program Flamont for Code P Items: N/A Other	r Doloted Drogram Flaments: N/A

Program Element for Code B It	ems:	N/A			Other Relate	d Program E	lements:		N/A		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	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

Exhibit P-5, Weapon System Cost Analys	is				ı			Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co						+	P-1 Line Item N		-	
Aircraft Procurement, Air Force, E			2, Airlift A	.ircraft, It€	em No. 07	/	C-17A (M)	YP)		
Manufacturer's Name/Plant City/State Location				Subline Item		<u> </u>		•		
Boeing Airlift and Tankers / Long Beach, CA					-					
Weapon System	Ident	·			Total Cost	st In Millions	of Dollars			•
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
		,		Total		1	Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
1.0 Airframe	A	13	173.515	2255.700	15	166.633	2499.500	12	175.017	2100.200
2.0 Engine (4) (Model F-117-PW-100)	A	52	4.787	248.900	60			48		251.600
3.0 Avionics	A	13	6.992	90.900	15	6.853	102.800	12	7.250	87.000
4.0 Engineering Change Orders (ECO)	A	,		0.000			0.000			0.000
5.0 Product Improvement	A	13	2.105	27.370	15	2.415	36.220	12	2.688	32.250
6.0 Nonrecurring Flyaway	A	,		0.000			0.000			0.000
7.0 Settlement	A	,		0.000			0.000			0.000
8.0 Flyaway Cost Subtotal (1 thru 7)	A	,		2622.870			2941.120			2471.050
9.0 Peculiar Support Equipment	A	,		14.600			3.000			2.900
10.0 Common Support Equipment	A	,		2.800			2.300			0.000
11.0 Training	A	,		28.700			60.600			40.800
12.0 Data	A	1		6.925			9.109			5.850
13.0 Field Support	A	,		0.000			0.000			0.000
14.0 Flex Sustainment/Interim Sup Spt	A	1		206.160			0.000			11.100
15.0 Mission Support	A			12.496			13.498			12.195
16.0 Support Cost Subtotal (9 thru 15)	A			271.681			88.507			72.845
17.0 Gross P-1 Cost (8 + 16)	A	13		2894.551	15		3029.627	12		2543.895
18.1 LESS: Prior Year Adv Procurement	A			-275.145			-302.639			-287.240
18.2 LESS: EOQ Payback	A			-49.000			-56.000			-45.000
19.0 Net P-1 Cost (17 + 18)	A			2570.406			2670.988			2211.655
20.0 Advance Procurement, Current Year	A			302.639			287.300	, ·		266.800
Other P-1 Weapon System Costs	A	1		7			396.600			412.200
21.1 Initial Spares (BP16)	A	1		109.921			0.000			0.000
21.2 Modifications (BP11)	A		,	51.250	,	· ·	95.040	· ·		97.124

P-1 Shopping List Item No. 07

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

Exhibit P-5, Weapon System Cost Analy	/sis				1	Date: February 2	2000
Appropriation (Treasury) Code/CC/BA/BSA/Item (P-1 Line Item N		
Aircraft Procurement, Air Force			Aircraft, Item No	. 07	C-17A (M)		
TOTAL PROGRAM			3034.216		3449.928	,	2987.779
Comments	•	<u> </u>		II.		1	•
Comments							
		P-1 Shopp	ing List Item No. 07			Weapon Syste	em Cost Analysis
						Exhibit	P-5, page 3 of 13

UNCLASSIFIED PAGE 2 - 3

Exhibit P-5A, Procuren	nent Histor	y and Pla	nning						Da	ite: Februa	ry 2000	
Appropriation (Treasury) Coo Aircraft Procureme				ivity 02,	Airlift A	ircraft, Ite			e Item Nom A (MYP)			
Weapon System					Subline Ite	m						
C-17A												
WBS Cost Elements	Qty	Unit Cost	Location of	RFP Issue	Contract Method	Contract Type	Contractor and Locat	ion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available
FY 1998	Qiy	Omt Cost	100	Date	Wicthod	Турс	Contractor and Local	.1011	Date	Delivery	NOW.	Tivanaoic
Air Vehicle	9	201.534	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	ı, 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	ı, 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	ı, 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	ı, 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 reflec 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	Sched	ule																				Jate	∋: F¢	ebrua	ary 2	2000)		
Appropriation (Treasury) Code	CC/BA/F	3SA/Item	Control I	Number														P-	1 Lin	ne Itei	m Nc	mer	nclati	ure					
Aircraft Procuremen	nt. Air	Force	a. Bud	aet Act	ivit	v 0:	2. Ai	rlif	t Ai	ircr	aft.	lte	m t	No.	07			lc	-17	'A (ΜY	P)							
		T -	ACCEP.			, .					EAR 1				<u> </u>	—			<u> </u>	(YEAR	2000		—		—	L
INC. A A A A A A I I I A CITI I DED /	S	PROG	PRIOR	DUE		1998	8		1150	<i>7</i> 11.			NDAR	YEA	R 1999	9					1150			DAR Y	EAR 2	2000			A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R	PROC. QTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	T
FROCUREMENT TEAR	V	QII	1 OCT 1998	1 OCT 1998	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
FY 1997 / Lot IX	+	+	1990	1998		+-		- 11	- B	- 1	- 1		11	L		+-	1	· ·		11	ь	K		+-	11		0		
C-17/Airlift and Tank	USAF	8	2	. 6	1	1	2		1	1	+	1	1	1		1								1					0
FY 1998 / Lot X				1			1																						1
C-17/Airlift and Tank	USAF	9	0	9										3	2					1	1	1		1					0
FY 1999 / Lot XI					┷	┷	 	↓	Щ.	┷	↓				Ь	↓			Ь_		لــــــــا	Щ	Ь	Д	Ь—	—	لــــــــا		
C-17/Airlift and Tank	USAF	13	0	13	₩	┿	 	₩	—	—	₩				₩	—			<u> </u>	<u> </u>	<u> </u>	<u> </u>	₩	—	1	1	1	1	9
FY 2000 / Lot XII	TICAE	15		15	₩	┼	↓	₩	₩	$+\!-\!\!-$	₩	₩	₩	₩	—	₩	-		├ ─	<u> </u>	Щ	Ь—	₩	┼	—	—	igspace	igspace	1.5
C-17/Airlift and Tank FY 2001 / Lot XIII	USAF	15	0	15	+-	+-	┼	₩	+-	+-	┼	₩	₩	₩	₩	+-			├─	\vdash	╨	├──	₩	+-	┼─	┼─	╀	$\vdash \vdash$	15
C-17/Airlift and Tank	USAF	12	0	12	$+\!-$	+-	+	+-	+-	+-	+-	┼	┼	┼	+-	+-			├─	┼─┤	┯	├─	+-	+	┼─	┼─	₩	igwdapsilon	12
FY 2002 / Lot XIV	USIN	14		12	+-	+-	+	+	+-	+	+-	 	 	 	+-	+-			┢──	 	┼	├──	+-	+	+	+-	┼┼	$\vdash \vdash \vdash$	
C-17/Airlift and Tank	USAF	15	0	15	ᆂ	_	$ \perp $	二	<u> </u>	<u> </u>	‡				<u> </u>	二							ᆂ						15
FY 2003 / Lot XV C-17/Airlift and Tank	USAF	8	0		┿	┼	+	₩	$+\!\!-\!\!\!-$	$+\!\!-\!\!\!-$	$+\!\!-$	—	—	—	₩	┼	-		├ ─	 	╙	—	₩	┼	₩	₩	╨	igwdapsilon	
FY 2003 / Add'l SOLL II Aircraft	USAF	- 0	U	8	$+\!-$	+-	┼	+	+-	+-	+-	┼──	┼──	┼──	┼	+			├─	┾┷┙	₩	├─	+-	+	┼─	┼─	₩	$\vdash \vdash$	8
C-17 / Boeing - Airlift and Tankers	USAF	1	0) 1	+-	+-	+	+-	+-	+-	+-	\vdash	\vdash	\vdash	┼──	+-			├	\vdash	┼─┤	₩	+-	+-	+	$+\!-\!\!\!-$	┼─┤	┝─┤	1
FY 2004 / Add'l SOLL II Aircraft	05/11	+ + + +		+	+-	+-	+	+-	+-	+-	+-	 	 	 	+-	+-			╁	\vdash	$\vdash \vdash$	\vdash	+-	+-	+-	+-	$\vdash \vdash \vdash$	$\vdash \vdash$	$\overline{}$
C-17 / Boeing - Airlift and Tankers	USAF	5	0	5	+-	+-	+	†	+-	+-	+-	†	†	†	†	+			 	\vdash	$\vdash \vdash$	 	+	+	†	†	$\vdash \vdash$	\vdash	5
FY 2005 / Add'l SOLL II Aircraft		+		+	+	†	1	†	†	1	†				†	†				\vdash				†	†	†	<u> </u>		
C-17 / Boeing - Airlift and Tankers	USAF	8	0	8	1	†	1	T	T_		†	T	T	T	T	T			<u> </u>				T	1_					8
TOTAL		94	2	92	1	1	2		1	1				3	2					1	1	1		1	1	1	1	1	73
					0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	
					C	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	í
		т —		PRODUCTIO			L	111	Ъ	IV.	N	1	IN	L) TIME		N	V	1	IN		U	r	
				MIN	SHIF		M	-			-					TROC		MIN	LEAD	TIIVIL			$\overline{}$						
				SUST	HOU		A	R ¹	EACH	ED							LEAD		<u>l</u>					TOTAI	L				
MANUFACTURER'S NAME		LOCATIO)N		DAY		X		D+												MFG			AFTE					
Boeing - Airlift and Tank		Long Beac	ch, CA	6	1/8/5	5	15				1					PR	IOR	AF	TER	1	TIME			1 OCT					
				Ţ												10	OCT	10	OCT										
											INITI								4			32							
				\bot	┷		↓	<u> </u>			REO	RDER				Ь				<u> </u>			┸			↓			
REMARKS																													
The forecast delivery dates for the addition	onal 14 Spec	cial Operation	ns Low Lev	el (SOLL) II a	ircraft	are onl	y projec	ted dat	es, the	se airc	raft ha	ve not	been p)laced	on con	ıtract.													
The forecast delivery dates reflect the M	YP contract	dates with th	ie exception	of the Lot XV	deliver	ries. A	ctual de	liveries	s have	been e	earlier.																		
The EVO2 EVO5 and destion deliceries	mafila at a lann																												
The FY03 - FY05 production deliveries r	reflect a lowe	er production	a rate.																										
						-	P-1 S	dod	pinc	ı Lis	t Iter	n No	o. 07	7											Proc	Juct	ion	Sch	edul
									13	,																			
																							t	:xnii	oit P	'-21	, paç	je 5	of 13

Exhibit P-21 (2), Product	ion Scl	nedule																				Jate	∋: F¢	ebrua	ary 2	2000)		
Appropriation (Treasury) Code	/CC/BA/E	3SA/Item	Control I	Number														P-	1 Lir	ne Ite	m No	mer	nclati	ure					
Aircraft Procuremen					ivit	v Oʻ	2. Ai	rlif	t Ai	ircr	aft.	lte	m N	Jo.	07			lc	-17	Ά (ΜY	P)							
		 	ACCEP.	BALANCE		, 				CAL Y					<u> </u>		l l			(YEAR	2002					L
TEEN AND AND THE A CITY IDED A	S	PROG	PRIOR	DUE		2000	0	T	1150	,AL I			NDAR	YEA	R 200	1					1150			DAR Y	EAR 2	2002			A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R	PROC. QTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	T
TROCOREMENT TEAR	V	QII	1 OCT 2000	1 OCT 2000	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
FY1997 / Lot IX	-	+ -	2000	2000	+	+	 	<u> </u>				_	- 11		Ŭ	Ť				- 11			<u> </u>	+				_	
C-17 Airlift and Tankers	USAF	8	8	0	1		1																						0
FY 1998 / Lot X																							1						
C-17 Airlift and Tankers	USAF	9	9	0	<u> </u>	<u> </u>	<u> </u>	ــــــ	ــــــ	ــــــ											<u> </u>	<u> </u>		↓	<u> </u>	<u> </u>			0
FY 1999 / Lot XI			<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>	-	-											<u> </u>	<u> </u>	₩	↓	<u> </u>	<u> </u>			
C-17 Airlift and Tankers	USAF	13	4	. 9	$\frac{1}{1}$	1	1	1	<u> 1</u>	1	1	1	1								<u> </u>	<u> </u>	₩	₩	—	↓	<u> </u>		0
FY 2000 / Lot XII	LICAE	1.5	0	15	₩	+-	┼	₩	+-	+-	-			1	1	1	1	2		1	1	2	1	1	1	2.	₩		0
C-17 Airlift and Tankers FY 2001 / Lot XIII	USAF	15	0	15	+-	+	+	┼	+	+	-			1	1	1	1			1	1		+	1	1				
C-17 Airlift and Tankers	USAF	12	0	12	+	+-	+	+	+	+	+												+-	+	\leftarrow	_	-	1	10
FY 2002 / Lot XIV	CDIN	12		12	+-	+-	+	\vdash	+-	+-												-	+	+-	+-		H		
C-17 Airlift and Tankers FY 2003 / Lot XV	USAF	15	0	15	1	1	=	1	1	1													\perp	—	1				15
C-17 / Boeing - Airlift and Tankers	USAF	8	0	8	+-	+-	+	\vdash	+-	+-											\vdash	 	+-	+-	$\overline{}$				8
FY 2003 / Add'l SOLL II Aircraft				†	†	1	1	1	1	1													1	1	1				
C-17 / Boeing - Airlift and Tankers	USAF	1	0	1	1		1																						1
FY 2004 / Add'l SOLL II Aircraft				T																									1
C-17 / Boeing - Airlift and Tankers	USAF	5	0	5																			Ţ						5
FY 2005 / Add'l SOLL II Aircraft								<u> </u>	$oxed{oxed}$	$oxed{oxed}$											<u> </u>	<u> </u>	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$		<u> </u>	<u> </u>		
C-17 / Boeing - Airlift and Tankers	USAF	8	0				<u> </u>	Ь—													<u> </u>	<u> </u>	$oldsymbol{oldsymbol{oldsymbol{eta}}}$	↓	<u> </u>	<u> </u>			8
TOTAL		94	21	73							1	1	1	1	1	1	1	2		1	1	2		1	1	2	1	1	47
					O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	ı
					Т	V	C	N	В	R	R	Y	N	L	G	P	Т	v	C	N	В	R	R	Y	N	L	G	P	i
		T		PRODUCTIO	ON RA			 								PROC	UREN	MENT		TIME							ت		
				MIN	SHIF	T	M	1									AD	MIN					T						
				SUST	HOU	JRS	A	RJ	EACH	ED							LEAD	TIME	3		MFG			TOTAL	L				
MANUFACTURER'S NAME		LOCATIO			DAY		X		D+												TIME			AFTE					
Boeing - Airlift and Tankers		Long Beac	:h, CA	6	1/8/5	j	15										IOR	AF.			111112			1 OCT	Γ				
				_	—		 	4								1 (OCT	1 C	OCT				₩			_			
		+		 	$+\!-\!\!\!-$		┼	4			INIT	RDER							4			32	₩						
REMARKS		↓		<u> </u>	↓		—	—			REU	KDEK				<u> </u>				ļ			—			<u> </u>			
The forecast delivery dates for the addition	onel 14 Spec	nial Operatio	ne I ou I ou	al (SOLL). II a	iroroft	oro onl	v projec	tod dot	toc the	oo oire	roft ho	uo not	hoon r	loood	on oor	troot													
The forecast derivery dates for the addition	mai 14 Spec	iai Operatioi	ns Low Lev	ei (SOLL) II ai	arcrait a	are only	y projec	ted dat	es, me	se airc	тан па	ve not	been p	naced	on con	itract.													
The forecast delivery dates reflect the MY	YP contract	dates with th	ne exception	of the Lot XV	delive	ries A	ctual de	liverie:	s have	heen e	earlier																		
The FY03 - FY05 production deliveries r	reflect a low	er production	n rate.																										
-																													
						—	- 4 c	·I		. 1 :		- NI	- 0-	,															
							P-1 S	nop	ping	LIS	t iter	n ivo	o. U <i>i</i>	·											Proc	JUCT	ion :	Scn	edul
																						F	Exhi	ibit l	P-21	(2)	. pac	ae 6	of 13

							,	אוע	<i>,</i> L <i>F</i>	133	ПЛІ	בט																	
Exhibit P-21 (3), Produc	tion Scl	nedule																				Date	e: Fe	bru	ary 2	2000)		
Appropriation (Treasury) Code	/CC/BA/F	SSA/Item	Control N	Jumber														P-	1 I ir	e Ite	m No	omer	nclatu	ıre					
					,						•.		_										ioiatt	110					
Aircraft Procureme	nt, Aır	Force	, Bud	get Act	ıvıt	y 02	2, Aı	rlitt	tΑι	rcr	att,	Ite	m r	NO.	07			C	-17	Ά(MΥ	P)							
	a		ACCEP.	BALANCE					FISC	CAL Y	EAR 2	003									FIS	CAL Y	YEAR	2004					L
ITEM/MANIFEACTURED/	S	DDOG	PRIOR	DUE		2002						CALE	NDAF	R YEA	R 2003	3							ALENI		EAR 2	004			A
ITEM/MANUFACTURER/	E	PROC.	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	T
PROCUREMENT YEAR	R V	QTY	1 OCT	1 OCT	C	О	E	Α	Е	Α	P	Α	U	U	U	E	C	О	E	Α	Е	Α	P	Α	U	U	U	Е	E
	V		2002	2002	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
FY 2001 / Lot XIII																													
C-17Airlift and Tankers	USAF	12	2	10	1	2	1	1	1	2	1	1																	0
FY 2002 / Lot XIV																													
C-17Airlift and Tankers	USAF	15	0	15									1	2	1	1	1	2	1	1	1	2	1	1					0
FY 2003 / Lot XV																													
C-17Airlift and Tankers	USAF	8	0	8																					1	2		1	4
FY 2003 / Add'l SOLL II Aircraft																													
C-17Airlift and Tankers	USAF	1	0	1																									1
FY 2004 / Add'l SOLL II Aircraft																													
C-17Airlift and Tankers	USAF	5	0	5																									5
FY 2005 / Add'l SOLL II Aircraft																													
C-17Airlift and Tankers	USAF	8	0																										8
TOTAL		49	2	47	1	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	2	1	1	1	2		1	18
					О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	
					C	О	E	Α	E	Α	P	Α	U	U	U	E	C	О	E	Α	Е	Α	P	Α	U	U	U	E	
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				PRODUCTIO												PROC			LEAD	TIME	3								
				MIN	SHIF		M										ADI												
				SUST	HOU		Α	RI	EACH	ED							LEAD	TIME			MFG			ГОТА					
MANUFACTURER'S NAME		LOCATIO			DAY		X		D+		4										TIME			AFTE					
Boeing - Airlift and Tankers		Long Beac	h, CA	6	1/8/5		15										IOR	AF						1 OCT	ſ				
																10	OCT	1 O											
											INIT								4			32							
DEMARKS					ļ						REO	RDER								ļ									
REMARKS	1 14 6	:-1.0	T T	1(0011) 11.		1.		. 1 1			C. 1		1	.1 1															
The forecast delivery dates for the additi	onai 14 Spec	nai Operatioi	ns Low Leve	ei (SOLL) II ai	rcrait a	are only	projec	ted date	es, tne	se airc	rait na	ve not	been p	naced	on con	itract.													
The forecast delivery dates reflect the M	VD contract	datas with th	a avaantian	of the Let VV	daliwar	ioc A	atual dal	livorio	hovo	boon o	orlior																		
The forecast derivery dates reflect the M	ir connact	dates with th	e exception	of the Lot AV	uenver	ies. At	ctuai de	iiveries	nave	been e	amen.																		
The FY03 - FY05 production deliveries	reflect a love	ar production	rote																										
The 1 103 - 1 103 production deriveries	ienect a low	er production	rate.																										
1																													
							P-1 S	hon	nina	Lic	t Itor	n Ni	o 0	7											Dros	luct	ion (Sab.	edule
						r	-13	ιιυμ	hiiid	LIS	ı nei	11 17(U. U <i>i</i>	,															
																							Exhi	bit l	P-21	(3)	pag	je 7	of 13

								אוע	,L₽	133		בט																	
Exhibit P-21 (4), Product	ion Scl	nedule																				Date	e: Fe	ebrua	ary 2	2000)		
Appropriation (Treasury) Code/	/CC/BA/F	SSA/Item	Control I	Number														P-	1 I ir	ne Ite	m No	mer	nclati	ıre					
					::4-	- 01	. A:		. A:		-£1	14.			07								ioiati	u. 0					
Aircraft Procuremer	ιτ, Air	Force	, Bua	get Act	IVIT	y u⊿	2, AI	riiti	t Ai	rcr	aπ,	ite	m r	10.	U/			C	-17	Ά(IVI Y	P)							
	S		ACCEP.	BALANCE					FISC	CAL Y	EAR 20	005									FIS		YEAR						L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		2004					_		NDAF	_	_								_	DAR Y					A
PROCUREMENT YEAR	R	OTY	TO	AS OF	O	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	T
	V		1 OCT	1 OCT 2004	C T	O V	E C	A N	E	A	P	A	U	U L	U G	E P	C T	O V	E C	A N	E	A	P	A Y	U	U L	U	E P	E
FY 2003 / Lot XV			2004	2004	1	V	C	IN	В	R	R	Y	N	L	G	Р	1	V	C	IN	В	R	R	Y	N	L	G	Р	R
C-17 / Boeing - Airlift and Tankers	USAF	8	4	4		1		1		1		1											1						0
FY 2003 / Add'l SOLL II Aircraft	COLI			1						-		_																	Ü
C-17 / Boeing - Airlift and Tankers	USAF	1	0	1										1															0
FY 2004 / Add'l SOLL II Aircraft																													
C-17 / Boeing - Airlift and Tankers	USAF	5	0	5												1		1			1		1		1				0
FY 2005 / Add'l SOLL II Aircraft																													
C-17 / Boeing - Airlift and Tankers	USAF	8	0			<u> </u>				<u> </u>											<u> </u>	<u> </u>			<u> </u>		1	1	6
TOTAL		22	4	18		1		1	-	1		1		1		1		1	-	L .	1		1		1		1	1	6
					O	N O	D E	J	F E	M	A P	M	J U	J U	A U	S E	O C	N O	D E	J	F E	M	A P	M	J U	J U	A U	S E	
					Т	V	C	A N	В	A R	R	A Y	N	L	G	P	T	V	C	A N	В	A R	R	A Y	N	L	G	E P	
				PRODUCTIO				11	ь	IX	IX	1	14	L	U					TIME		K	K	1 1	14	L	U	1	
				MIN	SHIF		M											MIN			_								
				SUST	HOU	RS	Α	RI	EACH	ED							LEAD	TIME			MFG			TOTA	L				
MANUFACTURER'S NAME		LOCATIO			DAY		X		D+												TIME			AFTE					
Boeing - Airlift and Tankers		Long Beac	h, CA	6	1/8/5		15										IOR	AF			111111	•		1 OCT					
					-			-								1 C	OCT	10					4						
					-						INITI	RDER							4			32	+						
REMARKS					<u> </u>		ļ				KEOI	NDEK				Ļ				ļ			-						
The forecast delivery dates for the addition	nal 14 Spec	rial Operation	ns Low Lev	el (SOLL). II ai	rcraft :	are only	v projec	ted date	es the	se airc	raft hay	ve not	heen r	olaced	on cor	tract													
				()			, IJ		,																				
The forecast delivery dates reflect the MY	P contract	dates with th	e exception	of the Lot XV	deliver	ies. A	ctual de	liveries	s have	been e	arlier.																		
•			•																										
The FY03 - FY05 production deliveries re	eflect a lowe	er production	n rate.																										
1																													
							P-1 S	hon	ning	Lief	t Itan	n N	n 07	7											Droc	luct	ion (Sch	edule
						ı	1 0	, iop	אוווא		i itel		J. U	,															
_																							Exh	ibit l	2-21	(4),	pag	<u>je 8</u>	of 13

							·	JNC	;LA	155	iltii	ED																	
Exhibit P-21 (5), Product	ion Scl	hedule																				Date	: Fe	brua	ary 2	000			
Appropriation (Treasury) Code/	CC/BA/E	3SA/Item	Control I	Number														P-1	1 Lin	e Ite	m No	mer	ıclatı	ıre					
Aircraft Procuremer					ivit	v O2	Σ. Δί	rlift	·Δi	rcra	aft.	lte	m N	Jo.	07			C-	-17	Α (ΜY	P۱							
7 th Grant 1 100aronion		1 0.00	ACCEP.	BALANCE		, 0.	-, ,				EAR 2		••••		<u> </u>					<i>,</i> , ,			EAR	2008				1	L
	S	DD C C	PRIOR	DUE		2006	j		FISC	AL II			NDAR	YEA	R 200	7					гыс				EAR 20	008			A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R	PROC. QTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S E	О	N	D	J	F	M	Α	M	J	J	Α	S	T
TROCOREMENT TEAK	V	QII	1 OCT	1 OCT	C	0	E	A	Е	A	P	A	U	U	U		C T	O V	Е	A	E	A	P	A	U	U	U	E	E
FY 2005 / Add'l SOLL II Aircraft			2006	2006	T	V	С	N	В	R	R	Y	N	L	G	P	T	V	С	N	В	R	R	Y	N	L	G	P	R
C-17 / Boeing - Airlift and Tankers	USAF	8	2	6		1		1	1		1			1	1														0
TOTAL																													
					0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
					C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	
				PRODUCTION			C						1.1					IENT I							- 11		Ü	- 1	
				MIN	SHIF		M										ADN												
MANUFACTURER'S NAME		LOCATIO	OM.	SUST	HOU DAY		A X	RE	EACHI D+	ED						1	LEAD	TIME			MFG			ΓΟΤΑΙ AFTEI					
Boeing - Airlift and Tankers		Loca III		6			15		D±		1					PRI	OR	AFT	ER		TIME			1 OCT					
			. , -													1 O		1 00											
								_			INITI								4			32							
REMARKS								<u> </u>			REO	RDER																	
The forecast delivery dates reflect the MY	P contract	dates with th	he exception	of the Lot XV	deliver	ies. A	ctual del	liveries	have	been e	arlier.																		
•			•																										
The FY03 - FY05 production deliveries re	eflect a lowe	er productio	n rate.																										
						F	P-1 S	hop	ping	List	Iter	n No	o. 07	,															edule
																							Exhi	bit F	2-21	(5),	paç	je 9	of 13

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number 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

Exhibit P-43 p.2, Sir	mulator and Trai	ning Device	Justification	(\$ M)				Date: F	ebruary 2000	,
Appropriation (Treasury) Aircraft Procure	•)2, Airlift Ai	ircraft, Iten	n N o. 07		e Item Nomenclat A (MYP)	ure	
Weapon System C-17	/A									
Equipment Nomencla	ature: Unit Traini	ng Device (UT	D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	1999	FY 2	2000	FY 2	2001
DEVICE		TIME	TRAINING	STUDENT						1
BY TYPE		1	DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
1		1		PUT	1		I		,	1
AIRCREW	Charleston						1	14.800		
1	AFB				1	1			!	1
AIRCREW	Altus AFB				1	14.700				[
AIRCREW	McChord								1	14.900
1	AFB	'			1		ļ		!	1
AIRCREW	Jackson AFB								1	14.900
Concurrency and						14.000		45.800		11.000
Software	<u>'</u>	'			1		ļ		!	1
TOTAL	1				1	28.700	1	60.600	2	40.800

P-1 Shopping List Item No. 07

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 11 of 13

Exhibit P-43 p.3, Simulator	and Training	Device Justi	fication (\$ M	1)				Date: Fe	ebruary 2000	,
Appropriation (Treasury) Code/CC Aircraft Procurement,			ctivity 02,	Airlift Aircı	raft, Item N	No. 07	_	Item Nomenclatui (MYP)	re	
Weapon System C-17A										
Equipment Nomenclature: Ai	rcrew Trainer	s								
Description:										
Aircrew Training System (ATS): Provides init	ial and continu	ous training to	C-17 aircrews						
FINANCIAL PLAN	FY 1	1999	FY 2	2000	FY 2	001	To Co	omplete	Total	l Costs
PINANCIAL I LAIN	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										
	J	1		1		<u>. </u>				
Total Support Costs										
		T		Г Т						
TOTAL COSTS	1	20.600	1	26.300	2	32.000		18.100		

P-1 Shopping List Item No. 07

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 12 of 13

Exhibit P-43 p.4, Simulator	and Training	Device Justi	fication (\$ N	<i>l</i> 1)				Date: Fe	oruary 2000	
Appropriation (Treasury) Code/CC Aircraft Procurement,			ctivity 02,	Airlift Aircı	raft, Item	No. 07		tem Nomenclatur (MYP)	re	
Weapon System C-17A										
Equipment Nomenclature: M	aintenance									
Description:										
Maintenance Training System ((MTS): Upgrad	les the devices 1	necessary to re	educe the mainte	enance manni	ng level and trai	ning required	to the lowest le	vel.	
FINANCIAL PLAN	FY 1	1999	FY 2	2000	FY 2	2001	To Co	mplete	Total	Costs
THANCIAL LEW	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										т
Total Support Costs										
		Π		Τ						<u> </u>
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

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000	
Appropriation (Treasury) Code/Co Aircraft Procurement)2, Airlift	Aircraft, I	tem No. (P-1 Line Item C-17 Ad		_{ire} ocuremei	nt
Program Element for Code B I	tems:	N/A			Other Relate	ed Program E	lements:				
	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)											
Advance Proc Cost (\$ M)			302.639	287.300	266.800	145.700	107.500	175.400			1285.339
Weapon System Cost (\$ M)			302.639	287.300	266.800	145.700	107.500	175.400			1285.339
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 aircra	aft to be procured in the FY 02 lot buy.
--	--

P-1 Shopping List Item No. 08

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

					UNCLA	SSIFIED						
Exhibit P-10 p.1, Ao (Page 1 - Funding)		curement Re	equirements	Analysis						Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA	/BSA/Item Cor	ntrol Number						P-1 Line Item I	Nomenclature		
Aircraft Procure	ement, Air	r Force, E	₃udget Ac	tivity 02,	Airlift Ai	rcraft, Ite	m No. 08		C-17 Adv	ance Pro	curement	•
Weapon System						First System	Award Date			First System	n Completion	Date
C-17AP												
						Millions)						
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>FY 2002</u>	FY 2003	<u>FY 2004</u>	<u>FY 2005</u>	To Comp	<u>Total</u>
End Item Qty			57	13	15	12	15	9	5	8		134
CFE			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				222.839
									- <u>'</u>	· <u> </u>		
						-						
EOQ		<u> </u>	<u> </u>	ļ	ļ'							
Design				<u> </u>	ļ———'							
Term Liability			 		<u>'</u>			<u> </u>	+	<u> </u>		
TOTAL AP			1924.700	302.639	287.300	266.800	145.700	107.500	175.400			3210.039
Description:												
The original C-17 fun	ding provided	I for 15 aircra	ft procuremer	ıt in FY01. 7	The Air Force	e deferred pur	rchase of thre	e C-17 FY()1 aircraft to I	FY03 to fund	more immedi	iate
service priorities, whi			•			-						
To ensure the original	delivery sche	edule is unaffe	ected the Air	Force intend	s to obligate	all of the ann	propriated FY	700 advance	huy funds to	protect a 15-	5-5 buy profil	e even
though the proposed F	•				_		•		•	•	* *	
the vendor base and en		_				D) 00115	, 101100 101 111	0 40 . 4110 1 1	ouj 01 10	7410, 010 1	1 0100 1011, F-	
i												
First System Award D	ate reflects th	e planned Lo	t XIII (FY200	1 aircraft buy	y) contract of	bligation date	;.					
First System Complete	ion Date refle	cts the first ai	rcraft delivery	y for Lot XII	I (FY2001 ai	rcraft buy).						

P-1 Shopping List Item No. 08

Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3

Exhibit P-10 p.2, Advance Pr (Page 2 - Budget Justificatio		Analysis				Date: Febru	ary 2000
Appropriation (Treasury) Code/CC/E	-				P-1 Lin	e Item Nomenclature	
Aircraft Procurement, A		vity 02, Airlift A	Aircraft, Item N	o. 08	C-17	Advance Proc	urement
Weapon System C-17AP							
		(TOA,	\$ in Millions)				
						FY 2001 Contract	FY 2001 Total Cost
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	FY 2001 QTY		Forecast Date	Request
End Item					12	Jan-01	266.800
CEE		T				1	266,900
CFE GFE							266.800 0.000
EOQ							
Design							
Term Liability							
TOTAL AP							266.800
							200.800
Description:							
		P-1 Shoppir	ng List Item No. 08	Å	Advand		equirements Analysis Budget Justification)
							P-10 n 2 nage 3 of 3

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000	
Appropriation (Treasury) Code/C0									m Nomenclatu	re	
Aircraft Procurement,	, Air Forc	e, Budget	Activity	02, Airlift	Aircraft, I	tem No. ()9	C-17 ICS	S		
Program Element for Code B I	tems:	N/A			Other Relate	ed Program E	lements:				
	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)				396.600	412.200	437.200	440.300				1686.300
Advance Proc Cost (\$ M)											
Weapon System Cost (\$ M)				396.600	412.200	437.200	440.300				1686.300
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 material 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

Exhibit P-40, Budget Ite	m Justificatio	n							Date: Fe	bruary 2000		
Appropriation (Treasury) Code	c/CC/BA/BSA/Iter	n Control Numb	er					P-1 Line Iter	n Nomenclatu	re		
Aircraft Procureme	nt, Air Forc	e, Budget	10	WC-130	J							
Program Element for Code	B Items:	N/A			Other Rela	ted Program	Elements:		41132F			
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
Proc Qty	A	8	1									9
Total Proc Cost (\$ M)		421.700	74.451								496.1	51

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.

P-1 Shopping List Item No. 10

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

Exhibit P-5, Weapon System Cost Analysis								Date: Feb	oruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont	rol Number						P-1 Line Item	Nomenclatur	е	
Aircraft Procurement, Air Force, Bo	udget A	ctivity 02	2, Airlift A	ircraft, Ite	m No. 1	0	WC-130J			
Manufacturer's Name/Plant City/State Location	_	-		Subline Item						
Lockheed Martin Aeronautical Systems/Marietta/	Georgia			WC-130J (BF	PAC 10400)W)				
Weapon System	Ident			•	Total Co	st In Millions	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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										
Comments										
			P-1 Shoppin	g List Item No	o. 10			Weapoi	n System Cos	st Analysis
									Exhibit P-5, _I	page 2 of 5

Exhibit P-5A, Procuremen	nt Histor	ry and Pla	nning						Da	ite: Februa	ry 2000	
Appropriation (Treasury) Code/C								P-1 Line It		enclature		
Aircraft Procurement	t, Air F	orce, B	udget Act	ivity 02,	Airlift A	ircraft, Ite	m No. 10	WC-13	<u>0J</u>			
Weapon System					Subline Ite	:m						
WC130J												
			Location of	RFP Issue	Contract	Contract		A	ward	Date of First		Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Loca		ate	Delivery	Now?	Available?
Lockheed Martin Aeronautical Systems	3	44.200	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Aug-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	1	47.100	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Aug-97	Nov-99	Yes	
Lockheed Martin Aeronautical Systems	3	47.400	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Aug-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	2	48.200	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Dec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1	50.000	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Jul-99	Dec-00	Yes	
Remarks												
One WC-130J was procured v	with FY9	7 C-130J A	ir Force fund	s and was tr	ansferred to	AFRC for the	weather reconnaisance	mision.				
				P-	·1 Shoppino	g List Item No	o. 10		Proci		-	d Planning

Exhibit P-21, Production	Sched	ule																			L	Jate	: -е	brua	ary 2	2000			
Appropriation (Treasury) Code/0	CC/BA/E	SA/Item	Control N	umber														P-	1 Lin	ne Itei	m Nc	men	clatu	re					
Aircraft Procuremen	t, Air	Force	։, Budç	jet Acti	vity	/ 02	₂, Ai	rlift	: Ai	rcra	aft,	Ite	m N	١o.	10			W	IC-	130	J								
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		1998			FISC	AL YE	EAR 19		NDAR	YEA	R 1999)					FISC	CAL Y CA			EAR 20	000			L A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
C-130J/LMAS/1996	USAF	3	0	3													1		$ldsymbol{\square}$			1	1						0
C-130J/LMAS/1997	USAF	4	0	4	<u> </u>	Щ	 '	ш	igspace	igsquare						<u> </u>	1	1	<u> </u>		1	1	└	igsquare	└ ──	لـــــا	igspace	\vdash	0
C-130J/LMAS/1998	USAF	2	0	2	<u> </u>	igspace		igsquare	\vdash	$\vdash \vdash$	igsquare					<u> </u>			\perp	<u> </u>								0	
C-130J/LMAS/1999	USAF	1	0	1		↓		\vdash	igspace	$\vdash \vdash$							ليبا		<u> </u>		لببا	_	<u> </u>	<u> </u>	<u> </u>		1	⊢—∔	1
TOTAL		10	0	10	0	لــــا	D	لــِــا									2	1	<u> </u>		1	3	1		لــــــا	اـــا	\vdash		1
	OTAL 10 0 10									M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
		1		PRODUCTIO	N RA	ΓES			В			-	* 1		Ü	PROC	UREN	ENT!	LEAC	TIME									
				MIN SUST	SHIF	Т	M A	RF	EACHE	ΞD							ADN LEAD	MIN			MFG		7	ΓΟΤΑΙ	L				
MANUFACTURER'S NAME		LOCATIO)N	<u> </u>	DAY	S	X		D+												TIME		1	AFTER	3.				
Lockheed Martin Aeronautical Systems	ANUFACTURER'S NAME LOCATION																IOR OCT	AFT 1 O			111112			1 OCT	,				
		ļ		 	<u> </u>						INITI					<u> </u>				ــــــ			ـــــ						
REMARKS		Ь——			Щ_			Щ_			REOF	RDER				Щ.				Щ			Щ			Щ_			
KEWAKKS																													,

The FY99 aircraft delivers in Dec 00.

P-1 Shopping List Item No. 10

Production Schedule Exhibit P-21, page 4 of 5

							,		<i>,</i>	133	шпп	עב																	
Exhibit P-21 (2), Product	ion Scl	nedule																				Date	: Fe	ebrua	ary 2	200C	,		
Appropriation (Treasury) Code	/CC/BA/E	3SA/Item	Control N	Number														P-	1 Lin	e Ite	m No	men	nclatu	ıre					
Aircraft Procuremer	nt, Air	Force	e, Bud	get Act	ivity	y 02	2, Ai	rlift	t Ai	rcr	aft,	lte	m ľ	٧o.	10			W	C-	130	J								
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2000			FISC	AL Y	EAR 2		NDAF	R YEA	R 200	1					FISO		EAR LENI	2002 DAR Y	EAR 2	2002			L A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2000	AS OF 1 OCT 2000	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
C-130J/LMAS/1996	USAF	3	3	0																				1		1			0
C-130J/LMAS/1997	USAF	4	4	0																				†		†			0
C-130J/LMAS/1998	USAF	2	2	0																									0
C-130J/LMAS/1999	USAF	1	0	1			1																						0
TOTAL		10	9	1			1																						0
		T		PRODUCTIO	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 UREM	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
MANUFACTURER'S NAME		LOCATIO	ON	MIN SUST	SHIF HOU DAY	T RS	M A X	RI	EACH D+	ED							AD! LEAD	MIN			MFG TIME			TOTAI AFTEI					
Lockheed Martin Aeronautical Systems		Marietta C	GA				25										IOR OCT	AF1			TIME			1 OCT					
											INIT					10)CI	10	CI										
				<u> </u>							REO	RDER														<u> </u>			
REMARKS																													

P-1 Shopping List Item No. 10

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

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Iter	n Justificatior	ו							Date: Fe	bruary 2000	
Appropriation (Treasury) Code	CC/BA/BSA/Item	Control Numb	er					P-1 Line Iter	m Nomenclatu	re	
Aircraft Procuremer	nt, Air Force	e, Budget	EC-130	J							
Program Element for Code F	Items:	N/A			Other Relat	ted Program	Elements:		41132F		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	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 seperate 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.

P-1 Shopping List Item No. 11

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

Exhibit P-5, Weapon System Cost Analysis								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont	rol Number						P-1 Line Item N	lomenclatur	Э	
Aircraft Procurement, Air Force, Bu	udget A	ctivity 02	2, Airlift A	ircraft, Ite	m No. 11		EC-130J			
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed Martin Aeronautical Systems, Marietta	GA									
Weapon System	Ident			•	Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	1		73.000	1		74.190			
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	Α									
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	Α						10.884			
SUPPORT COST SUBTOTAL	Α			10.031			11.885			
MOD	A									
TOTAL PROGRAM				83.931			87.075			
Comments										
			P-1 Shannin	g List Item No	n 11			Weanor	n System Cos	st Analysis
		,	і і опоррії	g List item No	J. 11				Exhibit P-5, _I	

Exhibit P-5A, Procuremen	t Histo	ry and Pla	nning						Da	ite: Februa	ry 2000	
Appropriation (Treasury) Code/C								P-1 Line It		enclature		
Aircraft Procurement	, Air I	-orce, B	udget Act	ivity 02,	Airlift Ai	ircraft, Ite	m No. 11	EC-130	บา			
Weapon System					Subline Iter	m						
EC130J												
WBS Cost Elements	Qty	Unit Cost	Location of	RFP Issue Date	Contract Method	Contract Type	Contractor and Loca		Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	1		WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA]	Dec-97	Oct-99	Yes	Available.
Lockheed Martin Aeronautical Systems	1		WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Dec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1	47.900	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		Jul-99	Jun-00	Yes	
Lockheed Martin Aeronautical Systems	1		WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA	ns,			Yes	
<u>Remarks</u>												
FY00 funding was congression The Commando Solo conversi includes aircraft generator and equipment integration effort, v	on is be interco	eing split int m system uj	o two phases: pgrades, an au	Phase I for agmented cr	r the first two ew station, a	o aircraft was and the installa	placed on contract with ation of an in-flight refu). It
					1 Channing	n Liet Itom No	<u> </u>		Droo	uramant L	listory and	Diamnine

Exhibit P-5A, page 3 of 5

								DINC	JLP	199	<u> </u>	שב																	
Exhibit P-21, Production	Sched	ule																T				Jate	:: F∈	ebrua	ary 2	<u>2000</u> 0	,		
Appropriation (Treasury) Code/	CC/BA/F	3SA/Item	Control N	Jumber														P-	1 Lin	ne Iter	m No	men	ıclatı	ıre					
Aircraft Procuremen	ıt, Air	Force	∍, Bud <u>(</u>	get Acti	ivit	y 02	2, Ai	irlif	t Ai	rcr	aft,	Ite	m l	No.	11			E	C-1	130.	J								!
	S		ACCEP. PRIOR	BALANCE DUE		1998	0	$\overline{-}$	FISC	'AL Y	EAR 19		ENDAR	D VE	D 100				_		FISC	CAL Y		2000 DAR YI	TAR	2000			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
C-130J/LMAS/1997	USAF	1	0		+			†	†		\top		†	1	†	+	1											\Box	0
C-130J/LMAS/1998	USAF	1	0	1															1										0
C-130J/LMAS/1999	USAF	1	0																						1				0
C-130J/LMAS/2000 USAF 1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1																													
TOTAL 4 0 4 1 1 1 1															1														
	O N D J F M A M J J A S O N D J F M A M J J A S O N D J F M A M J J A S C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A P A U U U U E C O E A E A E A P A U U U U E C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E A E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U U E C C O E A E E A P A U U U U E C C O E A E E A P A U U U U U E C C O E A E E A P A U U U U U E C C O E A E E A P A U U U U U E C C O E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U E C C O E E A E E A P A U U U U U U E C C O E E A E E A P A U U U U U U U U U U U U U U U U U														E														
				PRODUCTIO)N RA	TES										PROC	CUREM	IENT :	LEAD	TIME	3				-		-		
MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF HOU DAYS	JRS	M A X	RI	EACHI D+	.ED							ADM LEAD		į		MFG			TOTAI AFTEF					
Lockheed Martin Aeronautical Systems		Marietta G		 	DAL	3	25	+-			1					PR	IOR	AFT	TER	1 '	TIME	, !		1 OCT					ľ
Eockieca Wartii Acronautea Systems		Winitena C	IA.	 	+-		25	4									CT	10				,		1001	1				
l		+		 	+-		\vdash	1			INITI	IAL				<u> </u>	-		<u></u>	\vdash		——	\vdash			1			ŀ
		†		<u> </u>	+-		†	1				RDER				†	\neg												ļ
REMARKS		4			-			-		-						-		-		-			-					-	
Estimated delivery date for the basic FY00	0 EC-130 J	is early CYC	J2																				-						
Estimated delivey dates for the first conver-	rted EC-13	OJ Comman	ıdo Solo is ea	ırly FY03.																									

P-1 Shopping List Item No. 11

Production Schedule Exhibit P-21, page 4 of 5

							ι	JNC	JLF	ISS	SIFIE	ΕD																	
Exhibit P-21 (2), Product	tion Scl	nedule																$T_{\underline{}}$				Jate): F€	:bru	ary 2	200C	J		
Appropriation (Treasury) Code	CC/BA/F/د	3SA/Item	Control N	Jumber	-			-										P-	1 Lir	ne Iter	m Nc	mer	nclati	ure					
Aircraft Procuremen	nt, Air	Force	ક, Bud [,]	get Act	ivit	y 02	2, A i	irlif ¹	t Ai	ırcr	aft,	Ite	m l	١o.	11			E	C-1	130.	J								,
ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000		2000 N O V		J A N	FISC	CAL YI	YEAR 20	2001	ENDAR J U N				O C T	N O V	D E C	J A N	FISC F E B		YEAR 2 ALEND A P R			2002 J U L	A U G	S E P	L A T E R
C-130J/LMAS/1997	USAF	1	1	0			=				#□	\Box	\Box		$oldsymbol{oldsymbol{\Box}}$			\Box					匚	oxdot	厂	ፗ		\Box	0
C-130J/LMAS/1998	USAF	1	1'	0		\perp	<u> </u>	Щ'	<u> </u>	<u> </u>	Щ'	—'	ــــــــــــــــــــــــــــــــــــــ	Ĺ'	<u> </u>	<u> </u>	اللله	لــــــــــــــــــــــــــــــــــــــ	Ĺ'	<u>↓</u> '	ــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u> </u>	ــــــ	\perp	<u> </u>	<u>[</u>	\perp	0
C-130J/LMAS/1999	USAF	1	1	0		$\downarrow \longrightarrow$	<u> </u>	<u>+</u> '	 	 	 '	↓ —'	₩'	<u> </u> '	 '	↓ —_'	\vdash		<u></u>	₩	 '	—	₩	4—	₩	—	 	+	0
C-130J/LMAS/2000 TOTAL	USAF	1 4	3			+		+'	+'	+'	+'	 '	+-	 	+	₩'	\vdash		1	\vdash	\vdash		₩	+	+-	+-		+	0
IOTAL		<u> </u>			O C	N O	D E	J A		M A	A P	M A	J U	J U	A U	S E	O C	N O	D E	J A	F E	M A	A P	M A	U	J U	A U	E	
				PRODUCTIO	T ON RAT	TES	C	N	В	R	R	Y	N	L	G	PROC	T	V VENT I	C	N	В	R	R	Y	N	L_	G	P	
MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF	HIFT M IOURS A REACHED					ADM LEAD			ADM	MIN			MFG			TOTAI AFTEI								
Lockheed Martin Aeronautical Systems		Marietta G					25				INITI	TAL RDER	<u>, </u>			PRI 1 O	IOR OCT	AFT 1 O		<u> </u>	TIME			1 OCT		 - 			
REMARKS					—	\longrightarrow		—		—	KEO	DEK								—			Ь—			↓			$\overline{}$
Estimated delivey dates for the first conve	verted EC-13	3OI Commar	ndo Solo is er	arly FY03.																									$\overline{}$

P-1 Shopping List Item No. 11

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

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget item .	Justification								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/Co	C/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature		
Aircraft Procurement	Air Force	C-130H									
Program Element for Code B I	tems:	N/A			Other Relate	ed Program E	lements:		PE: 040111	5F	
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A	N/A								TBD	TBD
Total Proc Cost (\$ M)		N/A	6.994				28.423	46.975	29.005	TBD	TBD

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

Exhibit P-5, Weapon System Cost An								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Iter							P-1 Line Item	Nomenclatur	е	
Aircraft Procurement, Air Ford		ctivity ()2, Airlift A		m No. 1	12	C-130H			
Manufacturer's Name/Plant City/State Loca	tion			Subline Item						
Weapon System	Ident				Total Co	ost In Millions	of Dollars			
Cost Elements	Code		FY 1999		Total Co	FY 2000	of Donais		FY 2001	
Cost Elements				Total		1 1 2000	Total		1 1 2001	Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
ICS	A			6.994						
TOTAL PROGRAM				6.994						
Comments										
-			D-1 Shannin	g List Item No	12			Waana	n System Co	et Analysia
			r-i shoppin	y List itelli ivt	J. 1Z			_	Exhibit P-5,	
									EXHIBIT L-2	paye z oi z

Exhibit P-40, Budget Item Justification	1						Date: Fel	bruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Iten	Control Number					P-1 Line Iter	n Nomenclatu	re	
Aircraft Procurement, Air Force	e, Budget Activity	02, Airlift	Aircraft,	Item No.	13	C-130J			
Program Element for Code B Items:	N/A		Other Rela	ted Program	Elements:		41132F		
ID Code	Prior Years FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total

Program Element for Code B I	tems:					d Program El	lements:		41132F					
	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			2	2	2	4	6	TBD	TBD			
Cost (\$ M)		186.300	29.062	46.351	208.051	206.326	225.264	308.933	519.105	TBD	TBD			
Advance Proc Cost (\$ M)		0.000								TBD	TBD			
Weapon System Cost (\$ M)		186.300	29.062	46.351	208.051	206.326	225.264	308.933	519.105	TBD	TBD			
Initial Spares (\$ M)		15.200	60.674		0.000	0.000	0.000	0.000	0.000	TBD	TBD			
Total Proc Cost (\$ M)		201.500	89.736	46.351	208.051	206.326	225.264	308.933	519.105	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 turboprop 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

Evhibit D 4	10 D1	ant 140,000	Justification	Date: February 2000
			Justification	-
			CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircratt	Procu	remen	t, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 13	C-130J
FY 2001 Pr	ogram J	lustificat	ion 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			
			D.4. Observing a Liet New Alg. 40	B. L. (18 1. 20
			P-1 Shopping List Item No. 13	Budget Item Justification
				Exhibit P-40, page 2 of 11

Exhibit P-5, Weapon System Cost Analysis	5							Date: Febi	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont	trol Number						P-1 Line Item N	Nomenclature		
Aircraft Procurement, Air Force, B	udget A	ctivity 0	2, Airlift A	ircraft, Ite	m No. 13	3	C-130J			
Manufacturer's Name/Plant City/State Location			•	Subline Item						
Lockheed Martin Aeronautical Systems/Marietta/	Georgia			C-130J (BPA	C 10400C)					
Weapon System	Ident				Total Cos	t In Million	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	0		0.000	0		0.000	2		119.040
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			0.000			124.000
Airframe Peculiar Ground Support Equipment (PGSE)	A									
Engine PGSE	A		+	1					+	
Peculiar Training Equipment	A	1		29.062			12.900	1		30.600
Publications/Technical Data	A			27.002			1.600	1		1.000
ECOs	A			0.000			1.000		+	1.000
ICS	A			0.000			3.000			5.900
ISS	A			0.000			21.651			38.551
Other	A		1	0.000			7.200			8.000
SUPPORT COST SUBTOTAL	A		1	29.062			46.351		†	84.051
Initial Spares	A			60.674						
TOTAL PROGRAM				89.736			46.351			208.051
Comments			<u> </u>	1		1			<u> </u>	
Effective 1 Oct 99, initial spares requirements mig	grate to Inte	rim Supply	Support (ISS) under the Red	eningeered S	Supply Supr	ort Process (R	SSP) umbrel	la in BP10.	
Effective 1 Get 55, finitial spaces requirements mig	grate to fitte	лип опррту	bupport (155) under the Rec	emingeered i	suppry supp	00111100033 (10	351) umorei	10 III DI 10.	
			P-1 Shoppin	g List Item No	o. 13			-	System Cos	

Exhibit P-5, page 3 of 11

Exhibit P-5A, Procuremen	t Histor	y and Pla	nning		0110=				Da	te: Februa	ry 2000	
Appropriation (Treasury) Code/C									e Item Nome	enclature	-	
Aircraft Procurement	, Air F	orce, B	udget Act	ivity 02,	Airlift A	ircraft, Ite	m No. 13	C-130	0J			
Weapon System					Subline Ite	m						
C-130J												
			Location of	RFP Issue		Contract			Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements		Unit Cost		Date	Method	Туре	Contractor and Loca	ition	Date	Delivery	Now?	Available?
Lockheed Martin Aeronautical Systems	2	44.200	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta, GA	18,	Nov-96	Jan-99	Yes	
Lockheed Martin Aeronautical Systems	2		WPAFB	May-00	С	FFP	Lockheed Martin Aeronautical System South Cobb Drive	ıs, 86	Dec-00	Oct-02	Yes	
Remarks												
 a. FY96 aircraft were the initi Equipment (CFE) and are inclined. b. New Five Year Option Conto c. One FY97 Air Force active d. No Air Force C-130J aircraft e. All combat delivery aircraft FQTY 0 2 0 2 0 2 0 2 0 4 	uded in the stract reconstruct reconstruct reconstruction duty C-1 aft were just the strategies of the strategies and the strategies are strategies as the strategies	the air vehic quired for fu 30J was de programme	cle price. uture buys. signated a Wo	C-130J and gh FY00.	provided to	AFRC.					urnished	
0 6												
				P-	1 Shopping	g List Item No	o. 13		Proc		-	Planning
										Exhib	it P-5A, pa	ge 4 of 11

Exhibit F-21, Production	n Scheu	uie																				Dail	;. re	Diuc	צ עוג	2000	<u>' </u>		
Appropriation (Treasury) Code	e/CC/BA/E	3SA/Item	Control I	Number														P-	1 Lir	ne Ite	m No	omer	nclatu	ıre					
Aircraft Procureme	nt, Air	Force	e, Bud	get Act	ivit	y 0	2, Ai	irlif	t Ai	rcr	aft,	Ite	m I	No.	13			С	-13	OJ									
	S		ACCEP.	BALANCE					FISC	CAL Y											FIS		EAR :						L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		199	8			,	_	CALE	NDA	R YEA	R 199	9						CA	LENI	OAR Y	EAR 2	2000			A
PROCUREMENT YEAR	R	OTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	T
	V		1 OCT 1998	1 OCT 1998	С	O	E	A	E B	A R	P R	A Y	U N	U	U G	E P	С	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E	E
C-130J/LMAS/1996	USAF	2			1	1		2	-	- 1	- 1	1	- 11			1	<u> </u>	-		- 1		- 1	<u> </u>	<u> </u>				+	0
C-130J/LMAS/2001	USAF	2	0	2																							1	1	2
C-130J/LMAS/2002	USAF	2	0	2																						Ī	Ī		2
C-130J/LMAS/2003	USAF	2	0	2																						Ī	Ī		2
C-130J/LMAS/2004	USAF	4	0	4																									4
C-130J/LMAS/2005	USAF	6	0	6																									6
TOTAL		18	0	18				2																		T	I		16
					О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	
					C	О	E	A	E	A	P	Α	U	U	U	Е	C	О	E	Α	E	Α	P	A	U	U	U	E	
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				PRODUCTIO	ON RA	TES		_								PROC	UREN	1ENT	LEAD	TIMI	Ξ					<u> </u>			
				MIN	SHIF	T	M										ADI	MIN											
				SUST	HOU		Α	R	EACH	ED							LEAD	TIME					,	TOTAI	ſ.				
MANUFACTURER'S NAME		LOCATIO			DAY	'S	X		D+												MFG			AFTE					
Lockheed Martin Aeronautical Systems		86 South 0	Cobb Drive				25									PR	IOR	AF	ΓER		TIME	Į.		1 OCT					
		Marietta,	GA													1 ()CT	10	CT					1001					
		30063-029	90					_																		_			
											INIT	IAL																	
											REC	RDER																	
REMARKS																													

P-1 Shopping List Item No. 13

Production Schedule Exhibit P-21, page 5 of 11

Exhibit P-21 (2), Product	ion Sch	redule																			[Jate): Fe	ebrua	ary 2	2000	/		
Appropriation (Treasury) Code/																		P-	1 Lin	ne Iter	m Nc	merر	nclati	ure					
Aircraft Procuremen	nt, <u>Air</u>	Force	∍, Bud∮	get Act	ivit	y <u>0</u> 2	2, <u>A</u> i	rlif'	t <u>A</u> i	rcr	aft,	, I <u>te</u>	m l	No.	13			C	-13	,0J									/
ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R	PROC. QTY	ACCEP. PRIOR TO 1 OCT	BALANCE DUE AS OF 1 OCT	0 C	2000 N O	0 D E	J A	FISC F E	CAL YE			ENDAR J U	R YEAI J U	AR 2001 A U)1 S E	0 C	N O	D E	J A	FISC F E		YEAR 2 ALEND A P	DAR YI	YEAR 2	3002 J U	A U	SE	L A T E
= 10072771 2 4004	V	الصل	2000	2000	Т	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y		L L	G	P	R
C-130J/LMAS/1996	USAF	2				 			 '	 '	 	Щ.	+	 	—	 '	+	+	——'	+	↓ —_'	₩,	 			 	↓ —'	-	0
C-130J/LMAS/2001	USAF	2				 '		 	+'	 '	↓ —'		+	 	+-	 '	+	\longrightarrow	-	+	+		₩.	 	2	+'	₩'	\leftarrow	0
C-130J/LMAS/2002	USAF USAF	2 2				+'	+	 	+'	 '	₩'	+	+	+	+-	 '	+	$\overline{}$	-	+	+	—'	₩.	 	 	+'	+-	\longrightarrow	2
C-130J/LMAS/2003 C-130J/LMAS/2004	USAF	4			_	+		+	+'		₩'	+	+-	+	₩	 '	+	$\overline{}$	-	+	-		₩	+	+	+'	+-	\longrightarrow	4
C-130J/LMAS/2004 C-130J/LMAS/2005	USAF	6			_	+	+	 	+'		₩'	+	\leftarrow	 	₩	+'	+	$\overline{}$	-	\leftarrow	-	—'	₩	 	 	+'	+-	\longrightarrow	6
TOTAL	USAF	18				+		+	+'	+	+'	+	+-	+	+-	+	\vdash	$\overline{}$	一	\vdash	\vdash		+-	+	2	+'	+	$\overline{}$	14
TOTAL		10			0	N	D	+	F	М	A	M	+	+	A	S	0	N	D	 	F	М	A	M	 	 	Α	S	,
1					l č	o	E	A	E	A	P	A	Ū	U	U	E	Lč	o	E	A	E	A	P	A	U	Ŭ,	U	E	, !
1					T	v	C	N	В	R	R	Y	N	L	G	P	T	v	C	N	В	R	R	Y	N	Ĺ	G	P	, !
				PRODUCTIO	JN RA'	TES					+					PROC	CUREM	ΛENT '	LEAD	TIMF	<u></u>								
1			r	MIN	SHIF	·T	M	1		,							ADM	MIN											
1			ı	SUST	HOUI	∫RS	Α	R,	REACHE	.ED						+	LEAD '	TIME	ا ا	1		,		TOTAL	т.				ŀ
MANUFACTURER'S NAME		LOCATIO	JN	1	DAYS	. <u>S</u>	X	<u></u>	D+	′									'	1	MFG	,		AFTER		1			- 1
Lockheed Martin Aeronautical Systems		86 South C				'	25										RIOR	AFT		1 '	TIME	٠		1 OCT		1			- 1
<u> </u>		Marietta, G								,	1					1 C	OCT	1 00	CT	1		,	1	100.	•	1			ļ
<u> </u>		30063-0290	<i>)</i> 0	1	\perp	'	<u> </u>			,						L	'		'	Ш		'	Ш			_]			- 1
								╛			INITI							<u> </u>		二						⅃			ļ
4			'	1			Щ.			'	REO	RDER							'	1		'	Ш.			<u></u>			
REMARKS																													
4																													

P-1 Shopping List Item No. 13

Production Schedule Exhibit P-21 (2), page 6 of 11

Exhibit P-21 (3), Product	ion Scl	nedule																				Jate	: Fe	ebrua	ary 2	2000	,		
Appropriation (Treasury) Code/	/CC/BA/F	3SA/Item	Control N	Jumber		-	-									-		P-	1 Lir	ie Ite	em No	mer	ıclatı	ure					
Aircraft Procuremer	nt, <u>Air</u>	Force	ع, Budر	get Act	ivit	y <u>0</u> 2	2, <u>A</u> i	rliff	t <u>A</u> i	rcr	aft,	, Ite	<u>.m</u> .t	No.	13	,		С	-13	٥ <u>J</u>									'
ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	O C T	2002 N O V	2 D E C	J A N	FISC F E B	M A R			ENDAR J U N	R YEAI J U L	AR 2003 A U G	S E	O C T	N O V	D E C	J A N	FISC F E B		YEAR 2 ALEND A P R		YEAR 20 J U N	2004 J U	A U G	S E P	L A T E R
C-130J/LMAS/1996	USAF	2			一	+	\bigcap	广	广		广		+	†	Ť	Ť	+	\vdash	\Box		$\overline{\Box}$		<u> </u>	广	广	+-		\Box	0
C-130J/LMAS/2001	USAF	2	2	0																									0
C-130J/LMAS/2002	USAF	2											2					\square'	\square'	\square'	\square'	\square				\square			0
C-130J/LMAS/2003	USAF	2																\square'	\square'	\square'	\square'	\square			2	\square			0
C-130J/LMAS/2004	USAF	4			<u> </u>	┖_'				'	<u> </u>						<u> </u>	ㄸ'	ㄸ'	₾'	<u> </u>	Œ'				ഥ'	<u> </u>		4
C-130J/LMAS/2005	USAF	6				'											'			<u> </u>							\square		6
TOTAL		18	4	14	ഥ'	'		┗'	┗'	Ĺ ′	ഥ'		2				'	ㄸ'	ㄸ'	Ĺ□'	<u> </u>	ㄸ′			2	'	<u> </u>		10
				_	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	E	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
1		T		PRODUCTIO	ON RA	TES		\vdash			\vdash					PROC	CUREM	MENT	LEAΓ	TIMF	ė —					\vdash			
MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF: HOUI DAYS	JRS	M A X	RI	REACHE D+	.ED							ADN	MIN O TIME			MFG	,		TOTAL					
Lockheed Martin Aeronautical Systems		86 South C			12		25	+			1					PP	RIOR	AF	TER		TIME			AFTEF					
EOCHICCA Martin Peronautem Dystems		Marietta, G 30063-029	GA							ļ							OCT	10						1 OCT	." 				
											INITI															╛			
<u> </u>		<u> </u>	'			'	Ĺ'			'	REO	RDER				<u></u>	'	Ī.	'	Ī.		'	<u> </u>		'	Ш_			
REMARKS																													
<u></u>																													
1																													

P-1 Shopping List Item No. 13

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

Exhibit P-21 (4), Produc	tion Sc	nedule																				Date	e: Fe	ebrua	ary 2	2000)		
Appropriation (Treasury) Code					,						•				40						m No	omer	nclatu	ıre					
Aircraft Procureme	nt, Air	Force	<u>, Bua</u>		IVIt	y u	2, AI	riit					m ı	чо.	13			C	-13	UJ									
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		200-			FISC	CAL Y	EAR 2	CALE	ENDAI	R YEA	T .					Ļ	FISO	CA	T .	OAR Y	EAR 2	2006			L A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2004	AS OF 1 OCT 2004	O C T	N O V	D E C	A N	E B	A R	A P R	A Y	U N	U L	U G	E P	O C T	N O V	D E C	A N	E B	M A R	A P R	A Y	U N	U L	U G	S E P	E R
C-130J/LMAS/1996	USAF	2	2	0																									0
C-130J/LMAS/2001	USAF	2	2	0																									0
C-130J/LMAS/2002	USAF	2	2	0																									0
C-130J/LMAS/2003	USAF	2	2	0																									0
C-130J/LMAS/2004	USAF	4	0	4									2	2															0
C-130J/LMAS/2005	USAF	6	0																						3	3			0
TOTAL		18	8	10									2	2											3	3			0
					0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
					Т	O V	E	A N	E B	A R	P R	A	N	U L	U G	E P	C	O V	E C	A N	E B	A R	P R	A	U N	U L	G	E P	
				PRODUCTIO)N R A	TES		-			<u> </u>	-	1			PROC	UREN	1ENT	LEAD	TIME									L
				MIN	SHIF		M	1								I		MIN											-
				SUST	JOH		Α	R	EACH	ED							LEAD	TIME					,	ГОТАІ	L				
MANUFACTURER'S NAME		LOCATIO			DAY	YS .	X		D+											4	MFG			AFTEI	R				
Lockheed Martin Aeronautical Systems			Cobb Drive				25	_									IOR	AF			TIME	l.		1 OCT	ſ				
		Marietta, 0 30063-029														10	OCT	10	CT										
											INIT	ΊAL																	
											REC	RDER																	
REMARKS																													
							·																						

P-1 Shopping List Item No. 13

Production Schedule Exhibit P-21 (4), page 8 of 11

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

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

P-1 Shopping List Item No. 13

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 9 of 11

Exhibit P-43 p.2, Sim	ulator and Tra	ining Device	Justification	(\$ M)				Date: F	ebruary 2000	
Appropriation (Treasury) (Aircraft Procure)				2, Airlift Ai	rcraft, Iten	n No. 13	P-1 Line C-13	e Item Nomencla 0J	ature	
Weapon System C-130	J									
Equipment Nomenclat	ure: Unit Traini	ng Device (UT	D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	999	FY 2	2000	FY 2	2001
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	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

Exhibit P-43 p.3, Simulator	and Training	Device Justi	fication (\$ N	M)				Date: Fe	bruary 2000	
Appropriation (Treasury) Code/CC/	/BA/BSA/Item C	ontrol Number					P-1 Line It	em Nomenclatu	re	
Aircraft Procurement,	Air Force,	Budget Ac	tivity 02,	Airlift Aircr	aft, Item N	No. 13	C-130J			
Weapon System C-130J										
Equipment Nomenclature: Air	rcrew Trainers	5								
Description:										
Initial program contains 2 Weap			•					-		
FINANCIAL PLAN	FY 1		FY 2	2000	FY 2		To Con	_	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
							TBD	TBD	TBD	TBD
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) Exhibit P-43 p.3, page 11 of 11

THIS PAGE INTENTIONALLY LEFT BLANK

FY 2001 AMENDED BUDGET REQUEST BUDGET ACTIVITY 03 – TRAINER AIRCRAFT FEBRUARY 2000

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item Justifica	tion		Date: February 2000
Appropriation (Treasury) Code/CC/BA/BSA/	Item Control Number		P-1 Line Item Nomenclature
Aircraft Procurement, Air Fo	rce, Budget Activ	rity 03, Trainer Aircraft, Item No. 14	Joint Primary Aircraft Training
			System (JPATS)
Program Element for Code B Items:	N/A	Other Related Program Elements:	64233F (RDT&E)

Program Element for Code B It	tems:	N/A			Other Relate	d Program El	lements:		64233F (RD)	T&E)	
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A	46	22	29	27	48	55	50	50	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 initative 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 Martix limited the FY 2000 purchase to 28.

P-1 Shopping List Item No. 14

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

Exhibit P-5, Weapon System Cost Anal	lysis							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item		- 1111 06	T	A:	N	4.4	P-1 Line Item I			•
Aircraft Procurement, Air Force	e, Buaget A	ctivity 03	s, irainer	Aircraft, i	tem No.		Joint Prin System (J	•	raft Fraini	ng
Manufacturer's Name/Plant City/State Location	on			Subline Item						
Raytheon Aircraft Company/Wichita/Kansas										
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	,
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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.

P-1 Shopping List Item No. 14

Weapon System Cost Analysis Exhibit P-5, page 2 of 12

Weapon System					Subline Iter	m					
VBS Cost Elements	Qty	Unit Cost	Location of	RFP Issue	Contract Method	Contract Type	Contractor and Local	Award ion Date	Date of First Delivery	Specs Available Now?	Date Revisions Available
Air Vehicle FY95	3		ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas		•	Yes	Available
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	EV to EV	,									

Exhibit P-5A, page 3 of 12

n Sched	ule																			L	Jate	e: Fe	ebrua	ary 2	2000	1		
P-1 Line tem Nomenclature P-1 Line tem Nomenclature P-1 Line tem Nomenclature																												
nt, Air	Force	, Bud	get Acti	vit	y 03	3, Tr	ain	er A	Airo	craf	ft, I	tem	No	o. 1	4		Jo	oin	t Pr	im	ary	Aiı	rcra	aft T	Trai	inin	ıg	
																	S	yst	em	(JF	PA	ΓS)						
S					1000			FISC.	AL YI					D 4000						FISO				E. B. A				L
E	PROC.			_	_		T 1	г.	3.6			NDAR	YEA				N.T.	Γ.	т .	т.	CA			EAR 2	2000	_		A
R	QTY						J	-				J	J			-			J	F	M			J	J			I
V					_							_	ī				-								T U			_
USAF	9			1	· ·		11	ь	K	IX	1	14	L	U	1	1	•	C	11	2		2	2	1	L	0	1	0
	4	0	4																					2	2			0
USAF	11	0	11																						1	3	3	4
USAF	22	0	22																									
USAF	22	0	22																									22
USAF	29	0	29																									
USAF	27	0	27																									27
		0																										
USAF	55	0	55																									55
USAF		0																										
USAF	50	0	50																									50
USAF	45	0	45																									
	372	0	372																	2	2	2	2	3	3	3	3	352
				О	N	D	J	F	M	Α	M	J	J	Α		О	N	D	J	F	M	Α	M	J	J	Α	S	
				C	О								U			C	-							_	U			
				T	V	C	N	В	R	R	Y	N	L	_	1	T	•	_		_	R	R	Y	N	L	G	P	
															PROC			LEAD	TIME	į.								
			SUST				RE		ED]	LEAD	TIME					-	ГОТА	۲.				
				DAY	S			D+																				
	Wichita, K	ansas	12			144										-				TIME								
				96											10	CT	10	CT										
										INIT	IAI.					0		5			33			38	1			
																									1			
	1		1																									
																										-		
	S E R V USAF USAF USAF USAF USAF USAF USAF USAF	S PROC. R QTY V USAF 9 USAF 4 USAF 11 USAF 22 USAF 22 USAF 29 USAF 27 USAF 48 USAF 55 USAF 50 USAF 50 USAF 45 USAF 45 USAF 45	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	S	P-1 Lin	CCC/BA/BSA/Item Control Number Nt, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 14 System	P-1 Line Item No. 14 P-1 Line Item No. 14 P-1 Line Item No. 15 P-1 Li	P-1 Line Item Nomer No	P-1 Line Item Nomenclate P-1 Line Item Nomen	P-1 Line Item Nomenclature System (JPATS) P-1 Line Item Nomenclature System (JPATS) System	P-1 Line Item Nomenclature P-1 Line Item Nomenclature	P-1 Line Item Nomenclature P-1 Line Item Nomenclature	P-1 Line Item Nomenclature Control Number P-1 Line Item Nomenclature Control Number P-1 Line Item Nomenclature Control Number Co	P-1 Line Item Nomenclature Control Number Control N

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21, page 4 of 12

	BALANCE DUE AS OF 1 OCT 2000 0 4	o c T	2000 N		aine	er A			•	tem	No). 1 ₄	4		Jo	int						ft 1	「rai	nin	n	
Air Vehicle/Raytheon/FY09	BALANCE DUE AS OF 1 OCT 2000 0 4	0 C	2000 N		aine				•	tem	No). 14	4					ima	ary	Air	cra	ıft 1	Γrai	nin	a	
TTEM/MANUFACTURER/	BALANCE DUE AS OF 1 OCT 2000 0 0	0 C	2000 N						•		140	, ı-	•						AI Y	/ 111	OI C		ı ı aı			
TTEM/MANUFACTURER/	DUE AS OF 1 OCT 2000 0 0	C	N			FISCA	ΔΙ ΥΙ											/ 15	\ A T						9	
TTEM/MANUFACTURER/	DUE AS OF 1 OCT 2000 0 0	C	N			FISC	ΔI VI								Эу	Ste	em	_		_						
ITEM/MANUFACTURER/	AS OF 1 OCT 2000 0 0	C	N				AL II											FISC		EAR 2						L
PROCUREMENT YEAR	1 OCT 2000 0 0 4	C							CALE	NDAR	YEAR	R 2001							CAI	LEND.	AR YI	EAR 20	002			A
V 1 OCT 2000 Air Vehicle/Raytheon/FY95 USAF 9 9 9 Air Vehicle/Raytheon/FY96 USAF 4 4 4 Air Vehicle/Raytheon/FY97 USAF 11 7 7 Air Vehicle/Raytheon/FY98 USAF 22 0 0 1 1 1 1 1 Air Vehicle/Raytheon/FY99 USAF 22 0 0 0 1 1 1 1 1 Air Vehicle/Raytheon/FY00 USAF 29 0 0 0 1 1 1 1 1 1 Air Vehicle/Raytheon/FY01 USAF 27 0 0 1 1 1 1 1 1 Air Vehicle/Raytheon/FY02 USAF 48 0 0 1 1 1 1 1 1 Air Vehicle/Raytheon/FY03 USAF 55 0 0 0 1 1 1 1 1 1 Air Vehicle/Raytheon/FY04 USAF 50 0 0 0 1 1 1 1 1 1 Air Vehicle/Raytheon/FY05 USAF 50 0 0 1 1 1 1 1 1 1 Air Vehicle/Raytheon/FY06 USAF 45 0 1 1 1 1 1 1 1 TOTAL 372 20	2000 0 0 4	-	\sim	D	J	F	M	Α	M	J	J	Α	S	O	N	D	J	F	M	Α	M	J	J	A	S	T
Air Vehicle/Raytheon/FY95 USAF 9 9 Air Vehicle/Raytheon/FY96 USAF 4 4 Air Vehicle/Raytheon/FY97 USAF 11 7 Air Vehicle/Raytheon/FY98 USAF 22 0 Air Vehicle/Raytheon/FY99 USAF 22 0 Air Vehicle/Raytheon/FY00 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	0 0 4	T	О	E	A	E	Α	P	A	U	U	U	Е	C	О	E	A	E	Α	P	Α	U	U	U	E	E
Air Vehicle/Raytheon/FY96 USAF 4 4 Air Vehicle/Raytheon/FY97 USAF 11 7 Air Vehicle/Raytheon/FY98 USAF 22 0 Air Vehicle/Raytheon/FY99 USAF 22 0 Air Vehicle/Raytheon/FY90 USAF 22 0 Air Vehicle/Raytheon/FY00 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 372 20	0		V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
Air Vehicle/Raytheon/FY97 USAF 11 7 Air Vehicle/Raytheon/FY98 USAF 22 0 Air Vehicle/Raytheon/FY99 USAF 22 0 Air Vehicle/Raytheon/FY90 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 37 0 Air Vehicle/Raytheon/FY06 USAF 37 2 20	4																									(
Air Vehicle/Raytheon/FY98 USAF 22 0 Air Vehicle/Raytheon/FY99 USAF 22 0 Air Vehicle/Raytheon/FY00 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	4																									(
Air Vehicle/Raytheon/FY99 USAF 22 0 Air Vehicle/Raytheon/FY00 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20		3	1																							(
Air Vehicle/Raytheon/FY00 USAF 29 0 Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	22		2	3	3	3	3	3	3	2																(
Air Vehicle/Raytheon/FY01 USAF 27 0 Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	22									1	3	3	3	3	3	3	3									(
Air Vehicle/Raytheon/FY02 USAF 48 0 Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	29																	3	3	3	3	3	3	3	3	5
Air Vehicle/Raytheon/FY03 USAF 55 0 Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	27																									27
Air Vehicle/Raytheon/FY04 USAF 50 0 Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	48																									48
Air Vehicle/Raytheon/FY05 USAF 50 0 Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	55																									55
Air Vehicle/Raytheon/FY06 USAF 45 0 TOTAL 372 20	50																									50
TOTAL 372 20	50																									50
	45																									45
	352	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	280
		0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	Α	M	J	J	A	S	
		C	О	E	A	E	Α	P	Α	U	U	U	E	C	О	E	Α	E	Α	P	Α	U	U	U	E	
		T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
	PRODUCTIO	N RA	TES								-	I	PROCU	JREM	ENT L	EAD '	TIME		-	•						
	MIN	SHIF	T	M										ADM	IIN											
1	SUST	HOU	RS	A	RE	ACHE	ED						L	EAD 7	ГІМЕ					-	OTAI					
MANUFACTURER'S NAME LOCATION		DAY	S	X		D+											1	MFG			OTAL					
Raytheon Aircraft Co. Wichita, Kansas	12			144								-	PRIC	OR	AFTE	R	7	IME			AFTER					
		96											1 00	CT	1 OC	Т				1	OCT					
								INIT	IAL			ľ		0		5			33			38				
									RDER					0		5			24			29				
REMARKS		•						-											•							

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21 (2), page 5 of 12

Exhibit P-21 (3), Produc	tion Scl	nedule																				Date	: Fe	brua	ary 2	2000			
Appropriation (Treasury) Code	e/CC/BA/E	3SA/Item	Control N	lumber														P-	1 Lin	e Itei	m No	omen	clatu	ıre					
Aircraft Procureme					ivit	v nʻ	3 Tr	ain	or A	Δira	raf	4 14	ham	N	. 1	1		14	nin:	f Dr	im	arv	Δi	rors	oft -	Trai	inin	. .	
All Craft i Toculeille	III, AII	1 0100	, Duu	get Acti	ı V I L	y U.	J, 11	alli	C1 /	~!! (si ai	ι, π	CIII	1 140	<i>)</i> . i	-						_			ait	ııaı		y	
																		S	yst	em	(JI	PAT	ſS)						
	S		ACCEP.	BALANCE					FISC	'AL YI	EAR 2	003										CAL Y							L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		2002	2				(CALE	NDAR	YEA	R 2003	3						CA	LEND	AR Y	EAR 2	004			A
PROCUREMENT YEAR	R	OTY	TO	AS OF	О	N	D	J	F	M	A	M	J	J	Α	S	0	N	D	J	F	M	A	M	J	J	A	S	T
TROCUREMENT TEAR	V	QII	1 OCT	1 OCT	C	О	E	Α	E	Α	P	Α	U	U	U	Е	C	О	E	Α	E	Α	P	Α	U	U	U	E	E
	•		2002	2002	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
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				1																				
Air Vehicle/Raytheon/FY01	USAF	27	0	27					1	2	2	2	2	2	2	2	3	3	3	3									'
Air Vehicle/Raytheon/FY02	USAF	48	0	48																	4	4	4	4	4	4	4	4	16
Air Vehicle/Raytheon/FY03	USAF	55	0	55																									55
Air Vehicle/Raytheon/FY04	USAF	50	0	50																									50
Air Vehicle/Raytheon/FY05	USAF	50	0	50																									50
Air Vehicle/Raytheon/FY06	USAF	45	0	45																									45
TOTAL		372	92	280	4				2	2	2	2	2	2	2	2	3	3	3	3	4	4	4	4	4	4	4	4	210
					О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	ı
					C	О	E	Α	Е	A	P	Α	U	U	U	E	C	O	E	Α	E	A	P	Α	U	U	U	E	ı
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				PRODUCTIO												PROC			LEAD	TIME	;								
				MIN	SHIF		M										ADN												
				SUST	HOU		Α	RE	EACH	ED						I	LEAD	TIME					-	ГОТА	ſ,				
MANUFACTURER'S NAME		LOCATIO			DAY	'S	X		D+												MFG			AFTE					
Raytheon Aircraft Co.		Wichita, K	Cansas	12			144									PRI	-	AFT			TIME			1 OCT					
					96			_								10	CT	10	CT										
											INITI	ΛT					0		5			33			38				
					-			1			REO						0		5			24			29				
REMARKS					<u> </u>		<u> </u>	l			KEUI	WLK					U		J			24			23	L			

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21 (3), page 6 of 12

	ACCEP. PRIOR TO 1 OCT 2004 9 4 11 22 22 29	BALANCE DUE AS OF 1 OCT 2004 0 0 0	0 C T	2004 N O V	•	J A N			EAR 2	005 CALE M A	NDAR J U	YEAI J			0	Jo	oint yst	e Iter t Pr em	ima (JF	PAT	Air S) EAR 2 LEND	Cra 2006 AR YI			nin	g	L
PROC. QTY 9 4 11 22 22 29	ACCEP. PRIOR TO 1 OCT 2004 9 4 11 22 22	BALANCE DUE AS OF 1 OCT 2004 0 0 0	0 C T	2004 N O	D E	J A	FISCA F E	AL YI M A	EAR 20	005 CALE M A	NDAR J	YEAI J	R 2005		0 1	S	yst		(JF	PAT CAL Y	S) EAR 2 LEND	2006 AR YI					L
9 4 11 22 22 29	PRIOR TO 1 OCT 2004 9 4 11 22 22	DUE AS OF 1 OCT 2004 0 0 0 0	C T	N O	D E		F E	M A	A P	M A	J	J			0			em	_	CAL Y	EAR 2 LEND	AR YI	EAR 20	006	Δ	<u> </u>	L
9 4 11 22 22 29	PRIOR TO 1 OCT 2004 9 4 11 22 22	DUE AS OF 1 OCT 2004 0 0 0 0	C T	N O	D E		F E	M A	A P	M A	J	J			0	N	D		FISC	CA	LEND	AR YI	EAR 20	006	Δ		L
9 4 11 22 22 29	TO 1 OCT 2004 9 4 11 22 22	AS OF 1 OCT 2004 0 0 0	C T	N O	D E			A	A P	M A	J	J			0	N	D		_				EAR 20	006 I	Δ		
9 4 11 22 22 29	1 OCT 2004 9 4 11 22 22	1 OCT 2004 0 0 0	C T	О	E			A		Α	J	J	Α	S	0	NI	J		1	,		3.4	т	ī	Δ	C	Α
9 4 11 22 22 22 29	2004 9 4 11 22 22	2004 0 0 0 0	T								T T				0	14	D	J	F	M	Α	M	J	3	1.1	3	T
4 11 22 22 22 29	9 4 11 22 22	0 0 0		V	С	N	В	R	R		U	U	U	E	C	O	E	A	Е	Α	P	Α	U	U	U	E	E
4 11 22 22 22 29	4 11 22 22	0 0								Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
11 22 22 22 29	11 22 22	0																									(
22 22 29	22	0																									(
22 29	22																										(
29		0																									(
	29	U																									(
27		0																									(
	27	0																									(
48	32	16	4	4	4	4																					(
55	0	55					4	4	4	4	4	5	5	5	5	5	5	5									(
50	0	50																	5	5	4	4	4	4	4	4	16
50	0	50																									50
45	0	45																									45
372	156	216	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4	4	4	4	4	4	111
			О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	A	S	
			C	О	E	Α	E	Α	P	Α	U	U	U	E	C	O	E	Α	E	Α	P	A	U	U		E	
			T	V	C	N	В	R	R	Y	N	L	G	P	T	V			_	R	R	Y	N	L	G	P	
														PROC			EAD	TIME									
					M										ADN	ΙIN											
		SUST	HOU	RS		RE	ACHE	ED						I	LEAD	TIME					т	ΌΤΔΙ					
LOCATION	N		DAY	S			D+																				
Wichita, Ka	ansas	12			144									PRI	OR	AFT	ER	,	TIME								
			96											1 O	CT	1 00	CT				,	1001					
									INITI	AL					0		5			33			38				
									REO	RDER					0		5			24			29				
	372	45 0	45 0 45 372 156 216 PRODUCTIO MIN SUST	45 0 45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45	45 0 45 0 45 0 4 4 4 4 4 4 4 4 4 4 4 5 5 5 5

P-1 Shopping List Item No. 14

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

Exhibit P-21 (5), Produc	tion Scl	nedule																				Date	: Fe	ebrua	ary 2	2000			
Appropriation (Treasury) Cod-	e/CC/BA/E	BSA/Item	Control N	lumber														P-	1 Lin	e Iter	m No	men	clatu	ıre					
Aircraft Procureme					ivit	y 03	3, Tr	ain	er A	Airc	craf	t, It	tem	No	o. 1	4		Jo	oin	t Pr	ima	ary	Aiı	rcra	aft ⁻	Trai	inin	g	
	•			_			•					•						S	yst	em	(JF	PΑΊ	S)					•	
			ACCEP.	BALANCE					FISC	AL YI	EAR 20	007									_	CAL Y		2008					L
ITEM/MANUFACTURER/	S E	PROC.	PRIOR	DUE		2006	j				(CALE	NDAR	YEA	R 2007	7						CA	LEND	OAR Y	EAR 2	2008			Α
PROCUREMENT YEAR	R	OTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	T
FROCUREMENT TEAR	V	QII	1 OCT	1 OCT	C	О	E	Α	E	Α	P	Α	U	U	U	E	C	О	E	Α	E	Α	P	Α	U	U	U	E	Е
	·		2006	2006	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
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																									<u> </u>
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	34	16	4	4	4	4																					<u> </u>
Air Vehicle/Raytheon/FY05	USAF	50	0	50					4	4	4	4	4	4	4	4	4	4	5	5									
Air Vehicle/Raytheon/FY06	USAF	45	0	45																	5	5	5	5	5		5	5	
TOTAL		372	261	111	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	<u> </u>
					О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	l
					C	О	E	Α	E	A	P	A	U	U	U	Е	C	O	E	A	E	Α	P	A	U	U	U	E	l
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	<u> </u>
				PRODUCTIO												PROC			LEAD	TIME	,								
				MIN	SHIF		M										ADN												
				SUST	HOU		Α	RE	ACHI	ED]	LEAD	TIME					-	ГОТА	۲.				
MANUFACTURER'S NAME		LOCATIO	N		DAY	S	X		D+												MFG			AFTE					
Raytheon Aircraft Co.		Wichita, K	ansas	12			144									PRI		AFT			TIME			1 OC7					
					96											1 O	CT	1 O	CT										
					<u> </u>						INITI						0		5			33			38	4			
REMARKS											REOF	RDER					0		5			24			29				

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21 (5), page 8 of 12

	P-1 Lin		em N	omo							
		n		OHIE	nciat	ure					
		וז ר	rim	ary	/ Ai	ircr	aft [*]	Tra	inin	g	
	Syst	tem	า (J	PA	TS))					
			FIS	SCAL '	YEAR	2010					L
				C	ALEN	DAR Y	YEAR 2	2010			A
O N	N D	J	F	M	Α	M	J	J	A	S	T
CO	-	A	E	A	P	A	U	U	U	E	E
T V	V C	N	В	R	R	Y	N	L	G	P	R
											(
											(
											0
											0
											- 0
											- 0
											0
											0
											0
											0
											0
											0
											0
O N		J	F	M	Α	M	J	J	Α	S	
CO	-	A		A	P	A	U	U	U	E	
T V	V C	N	В	R	R	Y	N	L	G	P	
UREMEN'		D TIM	IE								
ADMIN											
LEAD TIM	IME					TOTA	L				
		_	MFG	-		AFTE	R				
-	AFTER		TIME	E		1 OC'					
CT 1	1 OCT										
0	5			33			38	-			
0							29				
		-			- 1		-/				
_	0	0 5	0 5	0 5	0 5 33	0 5 33	0 5 33	0 5 33 38	0 5 33 38	0 5 33 38	0 5 33 38

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21 (6), page 9 of 12

Appropriation (Treasury) Code Aircraft Procureme			03, Trainer <i>I</i>	Aircraft, Item	No. 14	P-1 Line Item Nom Joint Primai System (JP/	y Aircraft Tra	ining
Weapon System T-6 Equipment Nomenclature	: Unit Training Device	e (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
	28.019	28.269	20.473	1.883	1.974	2.012	2.053	84.683
RDT&E	20.017							

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.

P-1 Shopping List Item No. 14

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 10 of 12

Exhibit P-43 p.2, Sir	mulator and Tr	aining Device	Justification	(\$ M)				Date: Fo	ebruary 2000	
Appropriation (Treasury) Aircraft Procure				3, Trainer	Aircraft, Ite	em No. 14	Joint	Primary Ai Primary Ai (JPATS)	ircraft Trai	ning
Weapon System T-6										
Equipment Nomencla	ature: Unit Train	ning Device (UT	D)							
IOC Date	3QFY01									
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	999	FY 2	000	FY 2	2001
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	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

P-1 Shopping List Item No. 14

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 11 of 12

Exhibit P-43 p.3, Simulator	and Training	Device Justif	fication (\$ M)				Date: Fel	oruary 2000	
Appropriation (Treasury) Code/CC Aircraft Procurement,			tivity 03, 1	Trainer Air	craft, Item	No. 14	Joint P	em Nomenclatur rimary Air n (JPATS)		ing
Weapon System T-6										
Equipment Nomenclature: Ai	ircrew Trainers	S								
Description:										
Aircrew trainers include Operat	tional Flight Tra	iners (OFT), In	strument Fligh	nt Trainers (IFT), and Unit Tr	aining Devices	(UTD).			
FINANCIAL PLAN	FY 19	999	FY 20	000	FY 2	001	To Con	nplete	Total C	Costs
FINANCIAL PLAIN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs		·	<u> </u>			•				
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

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

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justification	า							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/Co	C/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature)	
Aircraft Procurement	, Air Force	e, Budget	Activity 0	4, Other	Aircraft, I	tem No. 1	15	CV-22 (O	sprey)		
Program Element for Code B I	tems:	N/A			Other Relate	ed Program E	lements:				
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A				4	6	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 manaual 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

Exhibit P-5, Weapon System Cost Analys	sis							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co	ontrol Number						P-1 Line Item N	Iomenclature		
Aircraft Procurement, Air Force,	Budget A	ctivity 0	4, Other Ai	ircraft, Ite	m No. 1	15	CV-22 (Os	prey)		
Manufacturer's Name/Plant City/State Location		-		Subline Item						
Bell-Boeing / Fort Worth / TX										
Weapon System	Ident				Total Co	st In Millions	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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			16.502			18.212
Publications/Technical Data	A						0.413			0.405
Other ILS	A						0.939			3.118
Production Engr Support	A						1.586			3.300
Common SE	A									1.752
SUPPORT COST	A			21.996			21.793			46.318
Gross P-1 Cost	A			21.996			21.793			355.680
Advance Procurement (Credit)	A									-19.915
Net P-1 Cost	A			21.996			21.793			335.765
Advance Procurement CY	A						19.915			27.209
Weapon System Cost	A			21.996			41.708			362.974
Initial Spares	A									16.960
TOTAL PROGRAM				21.996			41.708			379.934
Comments					<u> </u>					
Comments										
			P-1 Shopping	List Item N	o. 15				System Cos	
								Ex	hibit P-5, pa	age 2 of 9

Exhibit P-5A, Procurement										ite: Februa	ry 2000	
Appropriation (Treasury) Code/Co					24 a. A	61 11 2	N - 4F		Item Nome			
Aircraft Procurement	, Air F	orce, B	uaget Act	ivity 04,	Otner A	ircraft, ite	m No. 15	CV-22	2 (Ospr	ey)		
Weapon System					Subline Ite	m						
CV-22												
WIDG G FI			Location of	RFP Issue		Contract			Award	Date of First		Date Revisions
WBS Cost Elements FY2000 Advance	Qty	Unit Cost		Date	Method SS	Type	Contractor and Loca		Date Eat 00	Delivery	Now?	Available?
Procurement			NAVAIR			Navy	Bell-Boeing, Patuxe River MD		Feb-00			
FY2001 Airframe	4	66.107	NAVAIR		SS	Navy	Bell-Boeing, Patuxe River MD	ent	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, Patuxe River MD	ent	Feb-01			
Remarks							•					
Kemarks												
				P-	·1 Shoppino	g List Item No	o. 15		Proci		-	d Planning

Exhibit P-21, Production	Sched	ule																				Date	e: Fe	ebru	ary 2	2000)		
Appropriation (Treasury) Code	/CC/BA/E	3SA/Item	Control I	Number														P-	1 Lir	e Ite	m No	omer	nclatu	ıre					
Aircraft Procureme	nt, Air	Force	e, Bud	get Act	ivit	y 04	4, O	the	r Ai	rcr	aft,	Ite	m I	No.	15			С	V-2	2 (Os	pre	y)						
	S		ACCEP.	BALANCE					FISC	AL Y	EAR 1										FIS		/EAR						L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		1998						CALE	NDAF	YEA	R 199	9	,					CA	LENI	OAR Y	EAR 2	2000			A
PROCUREMENT YEAR	R	QTY	TO 1 OCT	AS OF 1 OCT	O	N O	D E	J	F E	M A	A P	M	J U	J U	A	S E	O C	N O	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	T
	V		1998	1998	T	V	C	A N	В	R	R	A Y	N	L	G	P	Т	V	C	N	В	R	R	Y	N	L	G	P	R
Bell-Boeing	USAF	0	0	0																							Ť	Ť	0
TOTAL																													
					0	N	D	J	F	M	A	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	
					C	O V	E C	A N	E B	A R	P R	A	N	U	G	E	C	O V	E	A N	E B	A R	P R	A	U	U	U G	E	
				PRODUCTIO	ON RA	TES		- 1	1 1		- 1		1	1 2	Ü	PROC	UREM	IENT	LEAD	TIME		- 1		1 -	1 .,				
				MIN	SHIF	Т	M	1									ADN	MIN											
				SUST	HOU	RS	A	RI	EACH	ED							LEAD	TIME			MFG			TOTA	L				
MANUFACTURER'S NAME		LOCATIO			DAY	S	X		D+												TIME			AFTE					
Bell-Boeing		Fort Wort	h, TX	4			24	1									IOR	AF				-		1 OC	Γ				
								-			INIT	TAT				10	OCT	10	6			38			44	-			
		+						1				RDER							0			30	1		44	1			
REMARKS				1	-						1.20												-			1			

P-1 Shopping List Item No. 15

Production Schedule Exhibit P-21, page 4 of 9

Exhibit P-21 (2), Product	hibit P-21 (2), Production Schedule														Date: February 2000														
Appropriation (Treasury) Code/	CC/BA/E	3SA/Item	Control N	Number														P-	1 Lir	ne Ite	m No	men	clatu	ıre					
Aircraft Procuremer	nt, Air	Force	e, Bud	get Acti	vit	y 04	4, O1	the	r Ai	rcr	aft,	Ite	m I	No.	15			C	V-2	22 (Osį	ore	y)						
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2002	2		FISC	CAL Y	EAR 2		ENDAR	YEA	R 2003	3					FISO	CAL Y			EAR 2	2004			L A
PROCUREMENT YEAR	1 1 10								F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
FY2001 Air Vehicle	USAF	4	0	4						1		1		1		1													0
FY2002 Air Vehicle	USAF	6	0	6														1		1		1		1		1		1	0
OTAL 10 0				10						1		1		1		1		1		1		1		1		1		1	0
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
				PRODUCTIO	N RA	TES										PROC	UREM	IENT I	LEAD	TIME	3								
				MIN SUST	SHIF HOU		M A	RI	EACH	ED							ADN LEAD				MFG		7	ГОТА	L				
MANUFACTURER'S NAME		LOCATIO			DAY	S	X		D+												TIME			AFTE					
Bell-Boeing		Fort Wortl	h, TX	4			24									PRI 1 C	OR OCT	AFT 1 O			111112			1 OCT	Γ				
											INIT	IAL							6			38			44				
											REO	RDER																	
REMARKS																													

P-1 Shopping List Item No. 15

Production Schedule Exhibit P-21 (2), page 5 of 9

Exhibit P-21 (3), Product	bit P-21 (3), Production Schedule														Date: February 2000														
Appropriation (Treasury) Code/	CC/BA/E	SA/Item	Control N	lumber														P-	1 Lir	ne Ite	m No	mer	ıclatı	ıre					
Aircraft Procuremer	rcraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15														C	V-2	22 (Osį	ore	y)									
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2004	1		FISO	CAL Y	EAR 2		ENDAF	R YEA	R 200	5					FIS		EAR :		EAR 2	2006			L A
PROCUREMENT YEAR	PROCUREMENT YEAR R QTY 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	S E P	T E R
FY2003 Air Vehicle	USAF	9	0	9		1		1	1		1	1	1		1	1	1												0
FY2004 Air Vehicle	USAF	9	0																1		1	1	1	1		1	1	1	1
TOTAL		18	0	18		1		1	1		1	1	1		1	1	1		1		1	1	1	1		1	1	1	1
					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	
				PRODUCTIO	N RA	TES								•		PROC	UREN	1ENT	LEAD	TIME	3	•	•						-
MANUFACTURER'S NAME		LOCATIO)N	MIN SUST	SHIF HOU DAY	T RS	M A X	RI	EACH D+	ED								MIN			MFG			ΓΟΤΑ AFTE					
Bell-Boeing		Fort Wort		4	Ditt	5	24		Di								IOR OCT		TER CT		TIME			1 OCT					
											INIT	IAL							6			38			44				
											REO	RDER	l .																
REMARKS																													
1																													

P-1 Shopping List Item No. 15

Production Schedule Exhibit P-21 (3), page 6 of 9

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 04, Other Aircraft, Item No. 15	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

Exhibit P-43 p.2, Simu	lator and Tra	ining Device .	Justification ((\$ M)				Date: Fe	ebruary 2000	
Appropriation (Treasury) Co Aircraft Procurem				4, Other Ai	ircraft, Iten	n No. 15		e Item Nomenclate 2 (Osprey)	ure	
Weapon System CV-22										
Equipment Nomenclatur	re: Unit Traini	ing Device (UT)	D)							
IOC Date	Sep 2004									
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	999	FY 2	2000	FY 2	2001
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	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	Hurlburt	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						
<u>TOTAL</u>					1	21.996	1	14.136	1	13.921

P-1 Shopping List Item No. 15

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 8 of 9

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 04, Other Aircraft, Item No. 15	CV-22 (Osprey)

Weapon System CV-22

Equipment Nomenclature: Aircrew Trainers

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 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 1	1999	FY 2	.000	FY 2	2001	To Co	nplete	Total	Costs
FINANCIAL FLAN	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	1	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
	1	,								
TOTAL COSTS	1	21.996	1	16.502	1	18.212	5	74.309	8	131.019

P-1 Shopping List Item No. 15

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 9 of 9

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

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justificatio	n							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/C	C/BA/BSA/Iter	m Control Numb	er					P-1 Line Item	Nomenclature)	
Aircraft Procurement	, Air Ford	e, Budget	Activity	04, Other	Aircraft, I	Item No. 1	16	CV-22 (O	sprey) A	dvance	
			-					Procurer	nent		
Program Element for Code B	Items:	N/A			Other Relate	ed Program E	lements:				
	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)				19.915	27.209	57.330	69.884	55.230	46.944	13.968	290.480
Weapon System Cost (\$ M)				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	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

Exhibit P-10 p.1, Ad (Page 1 - Funding)	Ivance Proc	urement Re	equirements				Date: Febru	uary 2000	ļ			
Appropriation (Treasury)	Code/CC/BA/	BSA/Item Cor	ntrol Number					P	P-1 Line Item N	Nomenclature		
Aircraft Procure	ement, Air	Force, F	3udget Ac	tivity 04,	Other Ai	rcraft, Ite	m No. 16	C	۷-22 (O:	sprey) Ad	dvance	!
	•	•	J	•		•			rocurem			!
Weapon System						First System	Award Date	-		First System	n Completion	Date
CV22AP												
					(\$ in N	Millions)						
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	<u>Total</u>
End Item Qty	38	Mar-03		<u> </u>	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	+ 30	17141 03	17/11	 	17.2.2	20.102	33.700	00.273	33.000	13.203	13.21,	201.371
OLL					<u> </u>							
EOQ							,					
Design	T											
Term Liability												
			<u> </u>	'								
GFE				<u> </u>								<u> </u>
AN/AVR-2A(V)	13	Jan-02	N/A	<u> </u>	0.609	0.928	1.414	1.437	1.467	1.498	0.679	8.032
Notch Filter	8		N/A	<u> </u>	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	1	0.002	0.003	0.005	0.005	0.005	0.006	0.003	0.029
Pneumatic Tire			!	l'		ı			1			I
External Power	12	Sep-01	<u> </u>	i '	0.003	0.005	0.007	0.007	0.007	0.008	0.003	0.040
Monitor			<u> </u>	1'	!	, <u> </u>	, <u> </u> !	<u> </u>	<u> </u>	· '	[<u>]</u>	i
RCU Battery	8	Oct-01			0.014	0.022	0.033	0.034	0.035	0.035	0.016	0.189
TOTAL AP		1	0.000	ſ '	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

Exhibit P-10 p.2, Advance Proc (Page 2 - Budget Justification)		Analysis				Date: Febru	ary 2000
Appropriation (Treasury) Code/CC/BA/ Aircraft Procurement, Air	BSA/Item Control Number	vity 04, Other A	ircraft, Item N	lo. 16	CV-2	e Item Nomenclature 2 (Osprey) Adurement	vance
Weapon System				•			
CV22AP		(TO A . ¢	: M:11:)				
		(10A, \$	in Millions)			FY 2001 Contract	FY 2001 Total Cost
Description	PLT	<u>QPA</u>	Unit Cost	FY 2001 QTY		Forecast Date	Request
End Item	38	1			4	Feb-01	27.209
CFE	38	1	<u> </u>		4	Feb-01	26.182
GFE	36	1				1.60-01	20.162
0.2							
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 Tir	re 18	4					0.003
External Power Monitor	12	1					0.005
RCU Battery	8	1					0.022
TOTALAD							27,200
TOTAL AP							27.209
Description:							
		P-1 Shopping	g List Item No. 16	Ac	dvand		equirements Analysis
							Budget Justification)
						⊏x⊓iDit	P-10 p.2, page 3 of 3

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justification	l							Date: Fer	ruary 2000		
Appropriation (Treasury) Code/Co	C/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclatur	е		
Aircraft Procurement	Air Force	e, Budget	Activity (04, Other	Aircraft,	Item No.	17	C-37A (S	mall VC	()		
Program Element for Code B I	tems:	N/A			Other Relate	ed Program I	Elements:					1
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	1
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

P-1 Shopping List Item No. 17

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

Exhibit P-5, Weapon System Cost Analysis								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Conti	rol Number						P-1 Line Item	Nomenclature	9	
Aircraft Procurement, Air Force, Bu		ctivity 04	4. Other A	ircraft, Ite	m No. 1	17	C-37A (S	mall VCX	3)	
Manufacturer's Name/Plant City/State Location			<u>, </u>	Subline Item					,	
,										
Weapon System	Ident			l	Total Co	st In Millions	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	Α									
Publications/Technical Data	Α									
ECOs	Α									
Other	A									
SUPPORT COST SUBTOTAL	A									
TOTAL PROGRAM				159.799						
Comments										
FY 98 funds one C-37A for the U.S. Army as dire	cted by the	FY 98 Defe	ense Appropri	ation Bill. Th	ese funds v	vere combine	d with funds a	vailable fror	n FY 97 saving	es and
proceeds from the trade-in of an Army C-20 aircra	•									,
F, C										
		ſ	P-1 Shoppin	g List Item N	o. 17			_	System Cos	-
									Exhibit P-5,	page 2 of 5

Exhibit P-5A, Procurem	ent Histor	y and Pla	nning						Da	te: Februa	ry 2000	
Appropriation (Treasury) Cod									ne Item Nome			
Aircraft Procureme	nt, Air F	orce, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 17	C-37	7A (Smal	I VCX)		
Weapon System					Subline Ite	m						
C-37A												
										Date of	Specs	Date
			Location of	RFP Issue	Contract	Contract			Award	First	Available	Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Lo	cation	Date	Delivery	Now?	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	
Remarks	•	•							•		•	
<u>Kemarks</u>												
					1 Channin	Liet Hom Ne	. 17		D		llatam, c:::	l Dlammirr rr
				Ρ-	1 Snopping	List Item No). 1 <i>1</i>		Proci		-	l Planning
										Exhi	bit P-5A, p	age 3 of 5

							Į	JN(CLA	\SS	iFil	ED																	
Exhibit P-21, Production	n Sched	ule																				Date	: Fe	ebrua	ary 2	200C	, 		
Appropriation (Treasury) Cod	le/CC/BA/I	3SA/Item	Control N	Number														P-	1 Lir	ne Ite	m No	omen	ıclatı	ıre					
Aircraft Procureme	ent, Air	Force	, Bud	get Act	ivit	y 04	4, O	the	r Ai	ircr	aft,	Ite	m I	No.	17			C	-37	Ά (Sm	nall	VC	X)					
	S		ACCEP. PRIOR	BALANCE DUE		1998				CAL Y	EAR 1	999	ENDAF							`		CAL Y	EAR 2		EAD 1	2000			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
	USAF	2	0	2	1	1																							0
	USAF	1	0	1		<u> </u>											1												0
	USAF	4	0	4		+			┼	╁												+	 	+	1	 	1		2
TOTAL	COLI	7	0		1	1											1								1		1		2
					O C	N O	D E	J A N	F E	M A	A P	M A	J U	J U	A U	S E	O C	N O V	D E	J A	F E	M A	A P	M A	J U	J U	A U	S E	
				PRODUCTION	T ON RA	TES	C	N	В	R	R	Y	N	L	G	PROC	T		C LEAD	N TIME	В	R	R	Y	N	L	G	P	
				MIN SUST	SHIF	FT	M A	R	EACH	ED								MIN			MFG		,	TOTAI	L				
MANUFACTURER'S NAME		LOCATIO	ON		DAY	/S	X		D+											_	TIME			AFTER					
Gulfstream								-									IOR OCT		ΓER OCT					1 OCT					
											INIT	IAL				-10	<i>C</i> 1	10	/C1				1						
DENG - DATE											REO	RDER											<u> </u>			<u> </u>			
REMARKS																													

P-1 Shopping List Item No. 17

Production Schedule Exhibit P-21, page 4 of 5

							Į	JN(CLF	SS	SIFIE	ED																	
Exhibit P-21 (2), Produc	tion Sc	nedule																				Date	∋: F∈	ebrua	ary 2	200C	,		
Appropriation (Treasury) Code	e/CC/BA/F	3SA/Item	Control N	lumber														P-	1 Lir	ne Ite	m No	omer	nclati	ure					
Aircraft Procureme	nt, Air	Force	, Bud	get Act	ivit	y 04	4, O	the	r A	ircr	aft,	Ite	m I	No.	17			C	-37	Ά (Sm	ıall	VC	;X)					
	S	DD C C	ACCEP. PRIOR	BALANCE DUE	\vdash	2000)	$\overline{}$	FISC	CAL Y	EAR 20		NDAR	YEA	R 2001			D.				CAL Y	YEAR		FAR 2	2002			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 2000	AS OF 1 OCT 2000	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
	USAF	2	2					1	1	$ldsymbol{oxedsymbol{oxedsymbol{oxedsymbol{\square}}}$												\sqsubseteq	二	\perp	二				0
	USAF	1	1	0	$oldsymbol{ol}}}}}}}}}}}}}}}}}}$																								0
	USAF	4	2	2	I —		1	\vdash	\vdash	\vdash	\vdash								<u> </u>	_	_	\vdash	\vdash	\vdash		_		$ar{}$	
TOTAL	00.11	7	5				1	_	士															士	二				1
					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	
				PRODUCTIO	ON RA		М	-								PROC			LEAD	TIME	3								
MANUFACTURER'S NAME		LOCATIO	ON	MIN SUST	HOU DAY	JRS	A X	R	EACH D+	ED							AD! LEAD	TIME			MFG TIME			TOTAI AFTEI	R				
Gulfstream					1			-									IOR ICT		ΓER OCT		TINIL	,		1 OCT					
				<u> </u>	1			1			INITI															1			
REMARKS					—			Ь—		—	REOF	RDER				<u> </u>		<u> </u>		Ь			Ь—			Ь—			
																													ļ
																													ļ
																													ļ

P-1 Shopping List Item No. 17

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

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justification								Date: Feb	ruary 2000		
Appropriation (Treasury) Code/C	C/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature)		
Aircraft Procurement	, Air Force	e, Budget	Activity (04, Other	Aircraft,	Item No.	18	C-32A (L	arge VCX	()		
Program Element for Code B	Items:	N/A			Other Relat	ed Program I	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	2	2									4
Total Proc Cost (\$ M)		180.800	158.877								339.6	77

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

Exhibit P-5, Weapon System Cost Analysis								Date: Fel	oruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Conti				4. 1.			P-1 Line Item			
Aircraft Procurement, Air Force, Bu	udget A	ctivity 04	4, Other /	· · · · · · · · · · · · · · · · · · ·	<u>:m No. 1</u>	18	C-32A (La	arge VC	<u>()</u>	
Manufacturer's Name/Plant City/State Location				Subline Item						
	T T									
Weapon System	Ident				Total Co	ost In Millions				
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
	 	Qty	Unit Cost		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	2		155.000						
Armament	A		 	ļ				<u> </u>		
Software	A		<u> </u>					<u> </u>		
Other Government Furnished Equipment (GFE)	A		<u> </u>							
Engineering Change Orders (ECO)	A							<u></u>		
Nonrecurring Costs	A									
Other Costs	A			3.877						
FLYAWAY COST SUBTOTAL	A			158.877		Τ	Τ		\top	
Airframe Peculiar Ground Support Equipment	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A	-	1			1				
ECOs	A	•	1				1			
Other	A	•	1				1			
SUPPORT COST SUBTOTAL	A	-								
							1			
TOTAL PROGRAM				158.877						
Comments								•		
Comments										
		·	P-1 Shoppir	ng List Item No	n 18			Weano	n System Cos	et Analysis
		-	, 01.044	19 2.00	J			-	Exhibit P-5.	-

Exhibit P-5A, Procuren		-	_							te: Februa	ary 2000	
Appropriation (Treasury) Cod									ine Item Nom			
Aircraft Procureme	ent, Air F	orce, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 18	C-3	2A (Larg	e VCX)		
Weapon System					Subline Ite	m						
C-32												
										Date of	Specs	Date
				RFP Issue		Contract			Award	First		Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and L	ocation	Date	Delivery	Now?	Available?
	2		ASC/LAAV			FFP	Boeing		Aug-96	Jun-98	Yes	
	2	77.500	ASC/LAAV			FFP	Boeing		Aug-96	Nov-98	Yes	
<u>Remarks</u>												
Kemarks												
ı												
			-	P-	1 Shopping	g List Item No	o. 18		Proc	urement H	listory and	d Planning
											-	ana 3 of 1

								UNC	<i></i> L <i>P</i>	100	<u>ا ۱۱۲</u>	<u></u>																	
Exhibit P-21, Production	Sched	ule																				Date): F€	ebrua	ary 2	200C	, <u> </u>		
Appropriation (Treasury) Code/	/CC/BA/F	3SA/Item	Control N	lumber														P-	1 Lir	ne Iter	m No	mer	ıclatı	ure					
Aircraft Procuremer	nt, Air	Force	ક, Bud [,]	get Acti	ivit	y 04	1, O	the	r A	ircr	aft	, Ite	m!	No.	. 18	j		C	-32	2 A (Lar	ge	VC	X)					•
	S	-200	ACCEP. PRIOR	BALANCE DUE		1998		\overline{T}	FISC	CAL Y	EAR 1		ENDAR	R YEA	AR 199	99				$\overline{\mathbf{T}}$	FISC		YEAR :	2000 DAR Y	EAR (2000		=	L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
	USAF	2				!		二	二	上	上	丄	丄	丄	丰	工	ᆂ		厂	\Box			上	上			\Box	口	0
	USAF	2	0	2	+	2	 	+	+-	+-	+	+-	+-	+-	+	+	+	+	 	$\vdash \vdash$	 	₩	+-	+-	+	₩	₩'	\vdash	0
TOTAL	COLI	+		+	=			世	\vdash	\vdash	世	\Box	世	世	世	士	世	=	世			\vdash	\vdash	\vdash	=				
					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	E	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	
				PRODUCTIO							匚					PROC	CUREN		LEAD	TIME	<u>1</u>		_			匚			
MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF HOU DAY	JRS	M A X	RJ	EACH D+	.ED								MIN O TIME	3		MFG			TOTAI AFTEI					
Boeing Aircraft					E												RIOR OCT		TER OCT		TIME			1 OCT					
					\vdash			-			INIT:	ΓIAL DRDER				+		\vdash		[—			\vdash			-			
REMARKS											ILL.	KD2.														<u> </u>			
									_						_											_			

P-1 Shopping List Item No. 18

Production Schedule Exhibit P-21, page 4 of 4

Exhibit P-40, Budget Item	i Justificatio	n							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/	CC/BA/BSA/Iter	n Control Numb	er					P-1 Line Item	Nomenclature	Э	
Aircraft Procuremen	t, Air Forc	e, Budget	Activity	04, Other	Aircraft,	Item No. 1	19	C-32B FI	EST/DEST	Γ AIRCRA	\FT
Program Element for Code B	Items:	N/A			Other Relat	ed Program E	lements:		None		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A			1		1				0	2
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

Exhibit P-5, Weapon System Cost Ana	-							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item							P-1 Line Item N			
Aircraft Procurement, Air Force		ctivity 0	4, Other A			9	C-32B FE	ST/DES	T AIRCRAF	-T
Manufacturer's Name/Plant City/State Locati	ion			Subline Item						
	T T									
Weapon System	Ident				Total Cos	t In Millions	of Dollars		777.0004	
Cost Elements	Code		FY 1999	T . 1		FY 2000	m . 1		FY 2001	m . 1
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft	A	Ψ.,	Cint Cost	Cost	1	Cint Cost	45.000	Qi)	Cint Cost	Cost
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			
			P-1 Shoppin	g List Item N	lo. 19				n System Cos	
									Exhibit P-5, p	page 2 of 3

Exhibit P-21, Production	Sched	ule									IFIE							T				Date	e: Fe	ebru	arv 2	200	0		
Appropriation (Treasury) Code/			Control N	Jumber														P.	1 Lin	o Ito			nclati		,				
Aircraft Procuremer					i\/i4\	, n/	O+	hor	· Ai	ror	oft.	lto:	m N	l۵	10										۸Ю	← □	RAF	т	
All Craft Frocuremen	it, All	roice	-			y U4	·, Οι	HE			EAR 19		111 11	10.	19	-		C	-JZ	Ы					711 <i>\</i>	Ch	M		
	S		ACCEP. PRIOR	BALANCE DUE		1998		1	FISC	AL YI			NDAR	YEAI	R 1999	ļ					FIS		YEAR ALENI		EAR 2	2000			L A
ITEM/MANUFACTURER/ PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 1998	AS OF 1 OCT 1998	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P	M A Y	J U N	J U L	A U G		T E R
TOTAL			1770	1770	1	'		-11	ь	K	- 1	•	11	L		•	•			- 11	Б	IX	- K	_	11	L	+ 0	1	IX
					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	
				PRODUCTIO	ON RA		14]	PROCU			LEAD	TIME	3		_						
				MIN SUST	HOU		M A	RE	EACHI	ED						I	ADM EAD				MEG			ТОТА	L				
MANUFACTURER'S NAME		LOCATIO	N		DAY		X		D+		_										MFC			AFTE	R				
				1	1	•	1									PRIO 1 O		AFT 1 O				_		1 OC	Γ				
		†									INITI	AL				100	_1	10	CI							_			
											REOR	DER																	
REMARKS At this time, the specific contractor select	on has not	heen made f	or this acqui	eition																									

P-1 Shopping List Item No. 19

Production Schedule Exhibit P-21, page 3 of 3

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item J	ustification	1							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC	/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature)	
Aircraft Procurement,	Air Force	e, Budget	Activity 0	4, Other	Aircraft, I	tem No. 2	22	Target D	rones		
Program Element for Code B It	ems:	N/A			P-1 Line Item Nomenclature Target Drones 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
Proc Qty	A										
Cost (\$ M)				31.332	32.915	36.688	37.217	46.874	39.181	TBD	TBD
Advance Proc Cost (\$ M)											
Weapon System Cost (\$ M)				31.332	32.915	36.688	37.217	46.874	39.181	TBD	TBD
Initial Spares (\$ M)			0.000	0.885	0.610	0.729	0.973	0.976	0.978		5.151
Total Proc Cost (\$ M)			0.000	32.217	33.525	37.417	38.190	47.850	40.159	TBD	TBD
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

Exhibit P-5, Weapon System Cost Analys	sis							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co	ontrol Number						P-1 Line Item N	lomenclature	-	
Aircraft Procurement, Air Force,		ctivity 0	4. Other A	Aircraft. Ite	em No. 2	2	Target Dro	ones		
Manufacturer's Name/Plant City/State Location		- · · · · · · · ·	,	Subline Item			<u> </u>			
QF-4 (BAE Systems, Mojave, CA) BQM-34 (N		nman, San	Diego, CA)							
Weapon System	Ident	· ·		L	Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
QF-4 FULL SCALE AERIAL TARGET	A									
FLYAWAY COST										
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
ECO	A						0.000			0.521

P-1 Shopping List Item No. 22

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

Exhibit P-5, Weapon System Cost Analys	sis							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co							P-1 Line Item N		-	
Aircraft Procurement, Air Force,		ctivity 0	4, Other A	ircraft, It	em No. 22	2	Target Dr			
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
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

Exhibit P-5A, Procureme	ent Histor	y and Pla	nning			ASSIFIED			Da	te: Februa	ry 2000	
Appropriation (Treasury) Code								P-1 Lin	e Item Nom	enclature	-	
Aircraft Procureme	nt, Air F	orce, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 22	Targ	et Dron	es		
Weapon System					Subline Ite	m						
TD												
				RFP Issue		Contract			Award	Date of First		Date Revisions
WBS Cost Elements FY00 (QF-4)	Qty 12	Unit Cost	PCO AAC/WRA	Date	Method	Type FFP	Contractor and Loca BAE SYSTEMS,	ation	Date Dec-99	Delivery Jun-00	Now? Yes	Available ²
F100 (QF-4)	12	0.997	AAC/WKA		C	FFP	MOJAVE, CA		Dec-99	Jun-00	res	
FY01 (QF-4)	13	1.105	AAC/WRA		С	FFP	BAE SYSTEMS, MOJAVE, CA		Dec-00	Jun-01	Yes	
FY00 (BQM-34)	32	0.456	AAC/WRA		С	FFP	NORTHROP GRUI (BQM-34), SAN DI CA		Nov-99	Apr-01	Yes	
FY01 (BQM-34)	16	0.792	AAC/WRA		С	FFP	NORTHROP GRUI SAN DIEGO CA	MMAN,	Oct-00	Jan-02	Yes	
				P-	1 Shoppinç	g List Item No	o. 22		Proc		listory and	-

								<u> </u>	JLA	<u>.33</u>	<u> </u>	<u> </u>																	
Exhibit P-21, Production	n Sched	ule																				Jate	: Fe	:brua	ary 2	<u>2000</u>	1		
Appropriation (Treasury) Code	e/CC/BA/F	3SA/Item	Control N	lumber														P-	1 Lin	ne Iter	m No	omer	ıclatı	ıre					
Aircraft Procureme					ivit	y 0∠	4, Ot	the	r Ai	rcr	aft,	Ite	m I	No.	22			Τį	arg	jet [Dro	ne	S						I
	S	T	ACCEP.	BALANCE							EAR 19	999						<u> </u>	$\stackrel{\sim}{=}$		FISC	CAL Y							L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		1998	<u> </u>					CALE'	NDAR	R YEAI	R 1999)						CA	LENΓ	JAR Y	EAR 20	.000			Α
PROCUREMENT YEAR	R	OTY	TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	Α	M	J	J	Α	S	T
FROCUREMENT TEAM	V	Q11	1 OCT 1998	1 OCT 1998	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
BAE SYSTEMS (QF-4)/FY00	USAF	12	0	12					1					1				\cap	$\overline{}$					T			\cap		12
BAE SYSTEMS (QF-4)/FY01	USAF	13							\vdash				\vdash	\vdash		$\overline{}$		\Box	\Box	$\overline{}$			厂		$\overline{}$		$\overline{}$	$\overline{}$	13
BAE SYSTEMS (QF-4)/FY02	USAF	13	0	13		†		'	†	_	_	\bigcap		†				aggregation	1	\Box	\bigcap	'			\Box		\Box	i	13
BAE SYSTEMS (QF-4)/FY03	USAF	13	0		_													ſŢ,	i T									\Box	13
BAE SYSTEMS (QF-4)/FY04	USAF	18	0															\Box	ı T									Γ	18
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18														aggreen	i^{-1}	\Box							\Box	\Box	18
			,																i^{-1}	\sqcap							\Box		,
NORTHROP GRUMMAN (BQM-34)/FY00	USAF	32	0	32														\Box	\Box										32
NORTHROP GRUMMAN	USAF	16	0	16		\vdash												\Box	$\overline{}$							—		\Box	16
(BQM-34)/FY01		'	1 '	1		'	1 '	1 '	'	1 '	1 '	1 '	'	'	1 '	'	'	į , į	i '	1 1	1 '	1 '	1 '	1 '	1 '	1 '	1 1	1 L	, 1
		1	1			1							_					-	i^{-}	\Box							Γ	ı T	,
AFSAT//FY02	USAF	6	0	6													\Box		I = I										6
AFSAT//FY03	USAF	11	0																$i \square^{\prime}$									í 🔝	11
AFSAT//FY04	USAF	34	0	34																									34
AFSAT//FY05	USAF	23	0	23		<u> </u>	'			<u> </u>						<u> </u>	<u> </u>			<u></u> '					<u></u> '		<u>(</u>		23
TOTAL						<u> </u>	'		'	ഥ'	'	┌ '	'	'		<u> </u>	<u></u> '		ا	<u> </u>	┌ '				<u></u> '	'	' <u>ت</u>		'
					О	N	D	J	F	M	Α	M	J	J	Α	S	О	N	D	J	F	M	A	M	J	J	Α	S	, ,
1					C	О	E	Α	E	Α	P	Α	U	U	U	E	C	О	Е	Α	Е	Α	P	Α	U	U	U	E	, '
					T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
1				PRODUCTIO	_		·	_		,	Ш					PROC			LEAD	TIME	<u>i</u>				'	Щ.			
1			ı	MIN	SHIF		M	1		,	1				,	1	ADN		ļ	1		,			1	1			I
1			ı	SUST	HOU		Α	RF	EACH	ED	1				,	J	LEAD	TIME		1	MFG			TOTAI		1			
MANUFACTURER'S NAME		LOCATIO			DAY	S	X	<u> </u>	D+	'	1				,	<u></u>					TIME			AFTEF		1			
BAE SYSTEMS (QF-4)		MOJAVE,	,	1	1	'	3	1		,	1				,	PRI		AFT		1		,	1	1 OCT		1			
NORTHROP GRUMMAN (BQM-34)		SAN DIEC	JO CA	4	7	'	7	_		,	1				,	10		100		ــــــ		'	Щ.		'	1			
			'		↓		↓ ——'	4			INITI.				'	ــــــ	0		5	ــــــ		6			12	4			
				<u> </u>	—		—— '	Щ.		'	REOR	₹DER			'	Щ.	0	Щ_	5	Щ_		6	Щ.		12	Щ.			
REMARKS												B (B)																	
Starting in FY00 funding for Target Drop	nes transitior	ned from Mis	ssile Procurer	nent Air Force	(MPA	.F) to A	vircraft F	Procure	ement /	Air Fo	rce (A	PAF).	This c	docume	ent cor	atains c	Jata sta	arting 1	a FYO	0 and t	seyono	1.							
																													- 1

P-1 Shopping List Item No. 22

Production Schedule Exhibit P-21, page 5 of 9

								DIAC	<u>/L</u> _	100	<u> </u>	<u></u> _																	
Exhibit P-21 (2), Produc	tion Sc	nedule																I				Jate	: Fe	brue	ary 2	<u>-000</u>	1		
Appropriation (Treasury) Code	e/CC/BA/F	3SA/Item	Control N	lumber														P-	-1 Lin	e Ite	m No	mer	ıclatı	ıre					
Aircraft Procureme	nt, Air	Force	∍, Budṛ	get Act	ivit	y 0/	4, O1	the	r Ai	rcr	aft,	Ite	m I	No.	22			T/	arg	et I	Dro	ne	S						I
		\top	ACCEP.	BALANCE		<u> </u>					EAR 20						$\overline{}$	—			FISC	CAL Y	YEAR 2	2002				\neg	L
ITEM/MANUFACTURER/	S	PROC.	PRIOR	DUE		2000)	T					NDAF	R YEAI	R 2001	1									EAR 20	2002		\neg	A
	E		TO	AS OF	О	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	M	J	J	Α	S	T
PROCUREMENT YEAR	R V	QTY	1 OCT	1 OCT	C	О	Е	Α	Е	Α	P	Α	U	U	U	Е	C	О	Е	Α	E	Α	P	Α	U	U	U	E	E
	v	'	2000	2000	T	V	C	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	R
BAE SYSTEMS I (QF-4)/FY00	USAF	12	0	12									1		1		1	1	1	1	1	1	1	1	2		\Box	1	0
BAE SYSTEMS (QF-4)/FY01	USAF	13	0	13														\Box									1	2	10
BAE SYSTEMS (QF-4)/FY02	USAF	13																\Box'							\Box	\square'			13
BAE SYSTEMS (QF-4)/FY03	USAF	13		_								\Box						\Box '	\Box	\Box	\Box				<u>二</u> '	┌ '			13
BAE SYSTEMS (QF-4)/FY04	USAF	18	0		_							匚'					'	\square'	\Box		\Box'				<u>二</u> '	二'			18
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18								<u> </u>					<u> </u>	\square'	\Box		<u> </u>				<u> </u>	┌ '	\square		18
		Ţ <u></u>	<u> </u>			<u> </u>	<u> </u>	L'	<u> </u>	Ĺ_'	'	匚'	<u> </u>	<u> </u>			'	<u> </u>	<u> </u>		<u> </u>	Ĺ'		<u>[</u>	الستا	厂'	لي		
NORTHROP GRUMMAN	USAF	32	0	32	Ţ	'	Γ.	['	['	['	['	0	0	3	4	4	4	3	2	4	4	4	[['	Ţ. '	Ţ'	(I	i^- 1.	0
(BQM-34)		'		<u> </u>		<u>'</u> ـــــــــــــــــــــــــــــــــــ	Щ.	'	Ш'	Ш'	<u> </u>	Ш'	Ш'	Ш'	<u> </u>	Щ.	Щ'	<u> </u>	<u> </u>	ш	Щ'	'	Ш'	<u> </u>	'	⊥′	$oldsymbol{oldsymbol{\sqcup}}$	ш	
NORTHROP GRUMMAN	USAF	16	0	16		'	1 '	'	'	'	'	1 '	'	'	'		'	1 '	1 '	1 1	1 '	'	4	4	4	1 4	1 1	1 L	0
(BQM-34)		↓ '	↓ '		—	↓ —'	 '	ДШ'	↓'	↓'	↓'	Щ'	Щ'	Щ'	 '	Щ.	↓'	——'	└	igspace	↓ —'	Щ'	Ш'	↓'	4—_′	—′	4—'	igspace	
		<u> </u>	 '	<u> </u>	₩	↓ —'	——'	<u> </u>	↓ —'	↓ —'	↓ —'	—'	↓'	↓'	<u> </u>	—	↓ —'	—'	₩'	-	 '	Щ'	—'	₩'	 '	—'	-	\longrightarrow	ليسم
AFSAT/FY02	USAF	6				↓ —'	Щ.	 	↓ —_'	↓'	 '	——'	↓'	↓'	 -	₩	↓ —'	'	₩'	igcup	 '	Щ'	Щ'	↓ —_'	↓ —_'	 ′	-	\vdash	6
AFSAT/FY03	USAF	11				↓ '	Ь—'	 '	↓ '	↓ '	↓ '	——'	↓ —'	↓ —'	↓ '	₩	₩'	 -'	₩'	igspace	↓ —_'	₩.	↓ —'	↓ —_'	 '	↓ —_′	₩.	\longrightarrow	11
AFSAT/FY04	USAF	34	0			↓ —'	 '	 '	 '	↓ —'	↓ —'	₩'	<u> </u>	↓ —'	↓ —'	—	↓ —'	₩	\vdash	igspace	₩'	<u> </u>	₩'	$+\!-\!\!-\!\!\!-\!\!\!-\!\!\!\!-$	₩	 '	+	\longrightarrow	34
AFSAT/FY05	USAF	23	0	23	₩	↓ —'	 '	 	↓ —_'	↓ —_'	 '	₩'	↓ —'	↓ —'	 '	₩	↓ —'	₩	\vdash	₩	 '	<u> </u>	₩'	₩'	 -'	 ′	+	\longrightarrow	23
TOTAL			'		+	NT.	- D	+-	 	M	 _ '	- M	 	 _ '	+-	+-	 _ '	I NI	 	\vdash	 			$\perp_{\mathbf{M}}$	+-	+	+		
i					0	N	D	J	F	M	A	M	J	U	A	S	O C	N	D	1	F	M	A	M	J	J U	A	S	,
1					C	O V	E C	A N	E B	A R	P R	A Y	U N	T T	U G	E P	T	O V	E C	A N	E B	A R	P R	A Y	U N	1 ,	U G	E P	, !
				PRODUCTIO	JM DA			IN	D	K	K		IN	L			CUREM					K	K	I		F-		<u> </u>	
i				MIN	SHIF		M	4		,	\vdash					TRUC	ADN		LEAD	THVIL		—	$\overline{}$		$\overline{}$	$\overline{}$			
1		1		SUST	HOU		A	R,	EACHE	FD					1		LEAD		, 1	1				TOTAL	r I	1			I
MANUFACTURER'S NAME		LOCATIO		3031	DAY		X	IX.	D+	ا حاد					ı	'	LLAD	111711	J		MFG			AFTER		1			
BAE SYSTEMS (OF-4)		MOJAVE,		1	_		3	+			1					PR	IOR	AFT	ΓER	1 '	TIME	, '		1 OCT		1			
NORTHROP GRUMMAN (BQM-34)		SAN DIEC		4	-	$\overline{}$	7			,					ı		OCT	10		1		,	1	1001	J	1			
1,0111111111111111111111111111111111111			20 211		+	$\overline{}$		1		,	INITI	ÍAL					0		5	$\overline{}$		6			12	1			
					†	$\overline{}$		1		,		RDER					0	Г	5			6	_		12	1			
REMARKS								*								-							-						
Starting in FY00 funding for Target Dro	ones transitio	ned from Mi	ssile Procure	ment Air Force	¿ (MPA	F) to /	Aircraft 1	Procur	ement	Air Fc	orce (A	PAF).	This (docum	ent co	ntains	data st	arting i	ın FY0	0 and 1	beyon	d.							
i																													
4																													

P-1 Shopping List Item No. 22

Production Schedule Exhibit P-21 (2), page 6 of 9

Exhibit P-21 (3), Product	ion Scl	nedule																T				Date	: Fe	brua	ary 2	2000			
Appropriation (Treasury) Code/					-	-	-			-	-		-				-	P-	1 Lin	ne Iter	m No	men	ıclatu	ıre					
Aircraft Procuremer	ոt, Air	Forc€	ء, Budو	get Acti	ivity	y 04	I, Of	her	r A i	rcr	aft,	Ite	m ľ	اه.	22			Τí	arg	jet [Dro	nes	S						
ITEM/MANUFACTURER/ PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	O C T	2002 N O V	D E C	J A N	FISC F E B	M A R	EAR 20 A P R		ENDAR J U N	YEAI J U L	AR 2003 A U G	3 S E P	O C T	N O V	D E C	J A N	FISO F E B	CAL Y CA M A R			EAR 20 J U N	004 J U L	A U G	S E P	L A T E R
BAE SYSTEMS (QF-4)/FY01	USAF	13	3	10	1	1	1	1	1	1	1	1	1	1					'	<u> </u>									0
BAE SYSTEMS (QF-4)/FY02	USAF	13	0	13											1	2	1	1	1	2	1	1	1	2	0	0			0
BAE SYSTEMS (QF-4)/FY03	USAF	13	0	13		<u> </u>		<u></u> '				<u> </u>	<u> </u>			ים		ر	'	ים		<u> </u>					1	2	10
BAE SYSTEMS (QF-4)/FY04	USAF	18	0	18													\Box	, — ,	i^{-1}	\bigcap				Ī					18
BAE SYSTEMS (QF-4)/FY05	USAF	18	0	18	_ '	\square	$lue{}$	\Box	\square	—	\square	\Box	\square	厂	igspace	\square	\Box	厂	二	\Box	\square	\square							18
AFSAT//FY02	USAF	6	0	6	 '	\vdash	4	\vdash	 	├─'	\vdash		\vdash		2	\vdash	\vdash	\longrightarrow	-	$\vdash \vdash$		₩	-	\vdash	\vdash	${oldsymbol{dash}}$	\vdash	\dashv	0
AFSAT//FY03	USAF	11	0		+-	 				-	—	$\overline{}$	\vdash	Г	†		\Box	,	$\overline{}$	\Box	\Box		t	†	\dagger		1	2	- 8
AFSAT//FY04	USAF	34	0		\top						1	\sqcap'	\Box	Г		\Box	\Box	\neg	$\overline{}$	\Box		\Box							34
AFSAT//FY05	USAF	23	0	23	\top	 		\Box		\vdash	\Box			Г		\Box	\Box	\neg	,—	\Box			T	\top	\Box	\Box			23
TOTAL												()				\Box		, 1	, — 7	\Box									
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
1				PRODUCTIO	_]		,	<u></u>					PROC'	CUREM		LEAD	TIME	3					<u></u>			
				MIN SUST	SHIF	JRS	M A	RE	EACHI	ED						1	ADM LEAD		.		MFG	_		TOTAI					
MANUFACTURER'S NAME		LOCATIO			DAYS	S	X		D+	'	4				,	└			'		TIME			AFTE					
BAE SYSTEMS (QF-4)		MOJAVE,	, -	1	1	'	3	4		,	1				,	PRI	-	AFT		1		,		1 OCT	·	l			
NORTHROP GRUMMAN (BQM-34)		SAN DIEC	3O CA	4	7	'	7	4		,	L				,	10	CT	1 00		—		'	ـــــ			l			
		+		 	—			4			INITI				'	—	0		5	—		6	₩		12	1			
REMARKS				<u> </u>	Ь			ь			REOR	DEK			'	ь	0		5			6	Ь		12				
Starting in FY00 funding for Target Dron		and from Mi	anila Droaura		- (MD)	E) to	A :roroft	Droour	mont	Air Ec	(A	DAE)	Thic	12000	nt oo	-toing	Jato etc	-ting i	- EVC)O and	Louon	.1							

P-1 Shopping List Item No. 22

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

ion Sci	neaule																			I	Date	e: Fe	brua	ary ∠	2000	<u>'</u>		
CC/BA/E	3SA/Item	Control N	Number														P-′	1 Lin	e Ite	m No	omer	clatu	ire					
ıt, Air	Force	e, Bud	get Acti	ivit	y 04	4, O1	the	r Ai	rcr	aft,	, Ite	m I	۷o.	22			Ta	arg	et I	Dro	ne	S						
S E	PROC.	ACCEP. PRIOR	BALANCE DUE					FISC	CAL Y			NDAF	YEA	R 2005	5					FISO	CA		AR Y	EAR 2	2006	_	_	L A
R V	QTY	TO 1 OCT 2004	AS OF 1 OCT 2004	O C T	O V	D E C	J A N	F E B	M A R	A P R	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	U L	A U G	S E P	T E R
USAF	13	3	10	1	2	1	2	1	2	1																		0
														1	2	1	2	1	2	1	2	1	2	1	2	$oldsymbol{ol}}}}}}}}}}}}}}}}}$		0
USAF	18	0	18				-					-												-		1	2	15
USAF	11	0	11		3	3	3	2																		+-	+	0
								Ē								3	3	3	3	3	3	3	3	3	3	3	_	1
USAF	23																									Ť		23
•																												
	•	•	•	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	
			PRODUCTIO	N RA	TES										PROC	UREM	IENT I	EAD	TIME	3								
	LOCATIO)N	MIN SUST	HOU	RS	M A V	RI		ED																			
			1	1				D⊤		1					PRI	OR	AFT	FR		TIME	;							
		, -	4	7		7	1									-							1 001					
										INIT	IAL					0		5			6			12				
										REO	RDER					0		5			6			12				
	S E R V USAF USAF USAF USAF USAF	S PROC. R QTY V USAF 13 USAF 18 USAF 18 USAF 11 USAF 34 USAF 23 LOCATIC MOJAVE SAN DIE	CC/BA/BSA/Item Control No. t, Air Force, Bud S	S	CC/BA/BSA/Item Control Number CC/BA/BSA/Item Control Numbe	CC/BA/BSA/Item Control Number CC/BA/BSA/Item Control Numbe	CC/BA/BSA/Item Control Number CC/BA/BSA/Item Control Numbe	CC/BA/BSA/Item Control Number CC/BA/BSA/Item Control Numbe	CC/BA/BSA/Item Control Number CC/BA/BSA/Item Control Numbe	Accep.	Accep.	Accep.	Accep.	Accep.	S	S	S	CC/BA/BSA/Item Control Number Tax Air Force, Budget Activity 04, Other Aircraft, Item No. 22 Tax	P-1 Lin	CC/BA/BSA/Item Control Number Target Targe	CC/BA/BSA/Item Control Number CALENDAR SA/Item No. 22 P-1 Line Item No. 22 Target Drove P-1 Line Item Noments	P-1 Line Item Nomenclatux	P-1 Line Item Nomenclature Target Drones P-1 Line Item Nomenclature Target Drones	P-1 Line tem Nomenclature CC/BA/BSA/Item Control Number Target Drones P-1 Line tem Nomenclature Target Drones P-1 Line tem Nomenclature CC/BA/BSA/Item Control Number Nt, Air Force, Budget Activity 04, Other Aircraft, Item No. 22 P-1 Line tem Nomenclature Target Drones	P-1 Line			

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

Exhibit P-21 (5), Producti	ion Sch	nedule	•																		[Date	: Fe	ebrua	ary 2	2000	į –		
Appropriation (Treasury) Code/0	CC/BA/F	3SA/Item	Control N	lumber														P-	1 Lin	ne Iter	m No	men	clatu	ıre					
Aircraft Procuremen	ıt, Air	Force	∍, Bud <u>¢</u>	get Acti	vity	y 04	ł, Ot	ther	ſ Ai	rcr	aft,	Ite	m l	٧o.	22			Tá	arg	et [Эro	nes	S						ļ
ITEM/MANUFACTURER/	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2006	<u> </u>	$\overline{\Box}$	FISC	CAL YI			NDAR	YEA	R 2007	7					FISC	CAL Y		2008 DAR YI	EAR 2	2008			L A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2006	AS OF 1 OCT 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	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
BAE SYSTEMS (QF-4)/FY05	USAF	18	3		1	2	1	2	1	2	1	2	1	2															0
AFSAT/FY05	USAF	23	0	23	\vdash	3	3	3	3	3	3	3					\vdash	$\vdash \vdash \vdash$		\vdash	$\vdash \vdash \vdash$	 	├	-	┼	┼	$\vdash\vdash\vdash$	$\vdash \vdash \vdash$	2
TOTAL	10				\vdash	\sqcap		\vdash	-																				
					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	
				PRODUCTION MIN SUST	SHIFT HOU	T	M A	RI	EACHI	ED							CUREM ADN LEAD	MIN			MFG			TOTAI	L				
MANUFACTURER'S NAME		LOCATIO		<u> </u>	DAYS	S	X	<u> </u>	D+												TIME			AFTEF					
BAE SYSTEMS (QF-4)		MOJAVE,	, -	1	1		3	4		I							IOR	AFT				l.		1 OCT					ļ
NORTHROP GRUMMAN (BQM-34)		SAN DIEC	3O CA	4	7		7	4		I						1 C	OCT	1 00	CT	<u> </u>			Ļ—		- 10	ļ			ļ
		+		 	\vdash	\longrightarrow		1			INITI REOI	IAL RDER					0	 	5	-		6	\vdash		12	İ			l
REMARKS																													
Starting in FY00 funding for Target Drone	es transition	ed from Mis	ssile Procurer	ment Air Force	(MPA	F) to A	ircraft J	Procure	ement	Air Fo	rce (A	PAF).	This c	locum	ent co	ntains o	data sta	arting in	n FY0	0 and l	oeyond	<u>i.</u>							

P-1 Shopping List Item No. 22

Production Schedule Exhibit P-21 (5), page 9 of 9

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item	Justification	n							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/Control Aircraft Procurement				14 Other	Δircraft I	tem No. 3)3	P-1 Line Item E-8C (Jo			
Program Element for Code B I	•	N/A	Activity C	•	•	ed Program E		L-00 (00	N/A	<u> </u>	
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	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

259.300

260.878

Description

Flyaway Unit Cost (\$ M)

Wpn Sys Unit Cost (\$ M)

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.

237.900

290.980

288.500

305.100

213.000

254,444

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

Exhibit P-5, Weapon System Cost Ana	•							Date: Febr		
Appropriation (Treasury) Code/CC/BA/BSA/Item Aircraft Procurement, Air Force		ctivity 04	1, Other Ai	rcraft, Ite	m No. 2	3	P-1 Line Item N E-8C (Joi			
Manufacturer's Name/Plant City/State Locat				Subline Item						
Northrup Grumman Corporation Melbourne	Systems Divisio	n Melbourne	e, FL							
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
I		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	2		219.700	1	130.500	130.500	1	150.200	150.200
Avionics	A	2		121.500	1	71.500		1	73.100	73.100
GFE	A	2	2.600	5.200	1	5.200		1	5.200	5.200
Engineering Change Orders (ECO)	A			2.200			0.800			0.000
Nonrecurring Costs	A	2		19.100	1	9.900		1	10.100	10.100
Other Costs	A	2	29.150	58.300	1	20.000		1	20.700	20.700
FLYAWAY COST SUBTOTAL	A			426.000			237.900			259.300
Avionics PGSE	A			5.300			2.440			3.080
Peculiar Training Equipment	A			6.100			3.660			4.620
Publications/Technical Data	A			5.900			2.400			2.700
ICS	A			23.412			0.000			
Pgm Mgmt Admin (PMA)	A			16.400			11.400			15.200
Other	A			8.189			7.448			11.710
SUPPORT COST SUBTOTAL	A			65.301			27.348			37.310
GROSS P-1 COSTS	A			491.301			265.248			296.610
Less: Prior Yr Adv Procurement	A			-18.023			-38.993			-36.000
Net P-1 Total	A			473.278			226.255			260.610
Plus: Current Yr Adv Procurement	A			35.609			35.732			
Plus: INITIAL SPARES	A			98.518			73.685			28.824
Plus: MODs BP 11	A			43.522			28.346			33.389
Plus: ICS (FY00)	A				-		25.609			
TOTAL PROGRAM				650.927			389.627			322.823
Comments			² -1 Shopping						System Cos	

Exhibit P-5A, Procurem	nent Histor	ry and Pla	nning						Da	ate: Februa	ry 2000	-				
Appropriation (Treasury) Cod								P-1 Line Item Nomenclature								
Aircraft Procureme	orce, B	Other A	ircraft, Ite	m No. 23	E-8C	(Joint S	Stars)									
Weapon System					Subline Item											
E-8C																
			Location of	RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Revisions				
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Type	Contractor and Loca	ıtion	Date	Delivery	Now?	Available?				
Weapon System									Jul-99	Dec-01						
FY99	2	213.000	ESC/JSK		SS	FPI	Northrop Grumman Corporation, Melbou 32902	Corporation, Melbourne FL			Yes					
FY00	1	237.900	ESC/JSK		SS	FPI	Grumman /Melbourn	ne	May-00	Feb-03	Yes					
FY01	1	259.300	ESC/JSK	T	SS	FPI	Grumman /Melbourn	ne	Mar-01	Apr-03	Yes					
Support																
FY99	N/A		ESC/JSK		SS	FP	Grumman /Melbourn		Nov-98	N/A	Yes					
FY00	N/A		ESC/JSK		SS	FP	Grumman /Melbourr		Nov-99	N/A	Yes	<u> </u>				
FY01	N/A		ESC/JSK		SS	FP	Grumman /Melbourn	ne	Nov-00	N/A	Yes					
<u>Remarks</u>																
Support costs consists of it	ems such as	PSE, CSF	J, Training. D	ate of first (delivery is le	ad time to sup	port A/C delivery sche	dule.								
												ļ				
			•	P-	1 Shopping	g List Item No	o. 23		Proc	urement F	listory and	Planning				
										Fyhi	hit P-5A n	ane 3 of 6				

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. 23 E-8C (Joint Stars) ACCEP. L PRIOR DUE CALENDAR YEAR 1999 CALENDAR YEAR 2000 1998 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N M A U Α T PROCUREMENT YEAR R QTY О U Е C O U 1 OCT 1 OCT C Е Е Α P U Е Е P U U Е Е Α Α Α Α Α V G v 1998 1998 N В Ν В R Northrop Grumman Corporation USAF E-8C FY92 Northrop Grumman Corporation USAF E-8C FY94 Northrop Grumman Corporation USAF E-8C FY95 Northrop Grumman Corporation USAF E-8C FY96 Northrop Grumman Corporation USAF 2 2 E-8C FY97 Northrop Grumman Corporation USAF E-8C FY98 Northrop Grumman Corporation USAF E-8C FY99 Northrop Grumman Corporation USAF E-8C FY00 Northrop Grumman Corporation USAF E-8C FY01 TOTAL 15 4 11 О A U S D M C O Α Е Α P A U U Е C O Е Α Е Α Ρ Α U U U Е Т V Ν R Y G T Ν В R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST REACHED HOURS LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS AFTER TIME Northrop Grumman Corporation Melbourne FL 32902 1 1-8-5 5 45 PRIOR AFTER 1 OCT 1 OCT 1 OCT 33 38 INITIAL REORDER REMARKS - Aircraft P6&8 deliveries (Jan&May 01) reflect rebaselinings on contract Aircraft P12&13 delivery dates Dec01 & May02 are definitized

P-1 Shopping List Item No. 23

Production Schedule Exhibit P-21, page 4 of 6

Aircraft P14 & 15 delivery dates of Feb03 and Apr 03 respectivly reflect PM Assessment

No Long Lead time included

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 04, Other Aircraft, Item No. 23 E-8C (Joint Stars) ACCEP. L PRIOR DUE CALENDAR YEAR 2002 2000 CALENDAR YEAR 2001 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N M A U Α M T PROCUREMENT YEAR R QTY О Е C O U 1 OCT 1 OCT C Е Е Α P U U Е Е P U U Е Е Α Α Α Α Α V G v 2000 2000 N В Ν В G R Northrop Grumman Corporation USAF E-8C FY92 Northrop Grumman Corporation USAF E-8C FY94 Northrop Grumman Corporation USAF E-8C FY95 Northrop Grumman Corporation USAF E-8C FY96 Northrop Grumman Corporation USAF 2 2 E-8C FY97 Northrop Grumman Corporation USAF E-8C FY98 Northrop Grumman Corporation USAF E-8C FY99 Northrop Grumman Corporation USAF E-8C FY00 Northrop Grumman Corporation USAF E-8C FY01 TOTAL 15 8 О A U S D C О Α Е Α P Α U U Е C O Е Α Е Α Ρ A U U U Е Т V Ν R Y T Ν В R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST REACHED HOURS LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS AFTER TIME Northrop Grumman Corporation Melbourne FL 32902 1 1-8-5 5 45 PRIOR AFTER 1 OCT 1 OCT 1 OCT 33 38 INITIAL REORDER REMARKS - Aircraft P6&8 deliveries (Jan&May 01) reflect rebaselinings on contract Aircraft P12&13 delivery dates Dec01 & May02 are definitized Aircraft P14 & 15 delivery dates of Feb03 and Apr 03 respectivly reflect PM Assessment No Long Lead time included

P-1 Shopping List Item No. 23

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

Exhibit P-21 (3), Product					_	_		_	_	_	_	_	_	_	_	_	_	T	_	_	\Box	Jate	: Fe	:brua	ary 2	<u> 2000</u>		_	
Appropriation (Treasury) Code/	/CC/BA/F	3SA/Item	Control N	lumber														P-	1 Lin	ne Iter	m No	mer	ıclatı	ıre					
Aircraft Procuremer	nt, Air	Force		<u> </u>		y 0∠	I <u>, O</u> 1	he،					<u>m ľ</u>	<u> 10.</u>	23			E	-8C) (J									
	S	T	ACCEP.	BALANCE				_	FISC	CAL YE					- 20:		匚				FISC		YEAR 2					=	L
ITEM/MANUFACTURER/	E	PROC.	PRIOR	DUE		2002		 	T 77	- M			NDAR	YEA				N.T		 _	177		_		EAR 20	.004			A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2002	AS OF 1 OCT 2002	O C T	N O V	D E C	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	E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
Northrop Grumman Corporation E-8C FY92	USAF	2	2	0														\Box'							\Box				0
Northrop Grumman Corporation E-8C FY94	USAF	2	2	0					口	\Box'																\Box'			0
Northrop Grumman Corporation E-8C FY95	USAF	2	2	0		Ħ	F																						0
Northrop Grumman Corporation E-8C FY96	USAF	2	2	0						\Box'		\square						\square								\Box'			0
Northrop Grumman Corporation E-8C FY97	USAF	2	2	0		<u> </u>			\Box	\Box'		\Box						\Box'								\Box'			0
Northrop Grumman Corporation E-8C FY98	USAF	1	1	0						\Box'																\Box'			0
Northrop Grumman Corporation E-8C FY99	USAF	2	2	0					\Box	\Box'																\Box'			0
Northrop Grumman Corporation E-8C FY00	USAF	1	0	1		\Box			1	\Box'																\Box'			0
Northrop Grumman Corporation E-8C FY01	USAF	1	0							\square'	1															\square'			0
TOTAL		15	13	2	_	<u>↓</u> '	اَـــِـــا	'ــــــــــــــــــــــــــــــــــــ	1	<u> </u>	1	البنا	لبآ	'ب	Ĺ —'	<u> </u>	ليل	لب	لِبَا	ابِــاً	Ĺ <u></u> '	Ĺ.,'	Ļ,	↓ '	البِلَ	بَــــــــــــــــــــــــــــــــــــ	لب	<u></u>	0
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
		T		PRODUCTIO				_			<u></u>				'	PROC	CUREM		LEAD	TIME	<u> </u>				'	<u> </u>			
			!	MIN SUST	SHIF		M A	RJ	EACHE	.ED					ļ		ADN LEAD		į.	1	MFG		-	TOTAL	ւ յ				
MANUFACTURER'S NAME LOCATION			<u> </u>	DAY		X	<u> </u>	D+	']				ı	Ш.			'		TIME			AFTER		1				
Northrop Grumman Corporation		Melbourne	e FL 32902	1	1-8-5		5	45		,					ļ		IOR OCT	AFT 1 O			1	1		1 OCT	ļ				
		#			F	=	\vdash	-			INITI. REOR						2	$\overline{-}$	5	$\overline{-}$		33	\vdash	_	38	4			
REMARKS								ш			KLO.	IDLK				ш							Ь						
- Aircraft P6&8 deliveries (Jan&May 01) - Aircraft P12&13 delivery dates Dec01 &	& May02 are	re definitized	l	f A																									

P-1 Shopping List Item No. 23

Production Schedule Exhibit P-21 (3), page 6 of 6

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000			
Appropriation (Treasury) Code/C Aircraft Procurement		P-1 Line Item Nomenclature E-8C (Joint Stars) Advance											
			•					Procure	ement	•			
Program Element for Code B I	Items:	N/A			Other Relat	ed Program l	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)													
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

					UNCLA	SSIFIED									
Exhibit P-10 p.1, Ac (Page 1 - Funding)	Ivance Prod	curement Re	equirements	s Analysis						Date: Febr	uary 2000				
Appropriation (Treasury)	Code/CC/BA	/BSA/Item Cor	ntrol Number						P-1 Line Item N	Nomenclature					
Aircraft Procure	∍ment, Ai	r Force, B	Judget Ac	tivity 04,	Other Air	rcraft, Ite	m No. 24	,	E-8C (Joi	nt Stars)	Advance				
			_	-					Procurem	nent					
Weapon System						First System	Award Date			Date					
E-8CAP							Apr	-92			Mar-96				
				(\$ in Millions)											
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	<u>Total</u>			
End Item Qty			11	2	1	1						15			
						 	 		T		1				
CFE			805.200	35.609	35.732							876.541			
GFE				<u> </u>			<u> </u>								
				1		т	т	г			 				
EOQ	 		<u> </u>	<u> </u>		<u> </u>									
Design			<u> </u> '	<u> </u>		ļ!									
Term Liability	 		<u> </u> !	<u> </u>						<u> </u>					
TOTAL AD	 		005 200	25,600	25.722	ļ!						076541			
TOTAL AP			805.200	35.609	35.732							876.541			
Description: The Joint STARS Proc with each Lot is active aircraft refurbishment/	e for 3 years th	hus Advance l	Buy Funding	is required to	execute the	production c	ycle. The tw	o major lon	ng lead items fo	or the Joint S	_				

P-1 Shopping List Item No. 24

Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 2

Exhibit P-40, Budget Item	Justificatio	n							Date: Fe	bruary 2000	
Appropriation (Treasury) Code/Co			P-1 Line Item Nomenclature								
Aircraft Procurement	, Air Forc	E-8C (Joint Stars) ICS									
Program Element for Code B I	tems:	N/A			Other Rela	ted 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)				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

Exhibit P-40, Budget Item	Justificatio	n							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/C	C/BA/BSA/Iter	m Control Numb	er					P-1 Line Item	Nomenclature)	
Aircraft Procurement	, Air Ford	e, Budget	Activity	04, Other	Aircraft, I	tem No. 2	26	High Alti	tude End	urance -	UAV
			-					Advance	Procure	ment	
Program Element for Code B I	tems:	N/A			Other Relate	ed Program E	lements:				
	ID Code	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		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

Exhibit P-5, Weapon System Cost Anal	ysis							Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item (Aircraft Procurement, Air Force		ctivity (04, Other A	ircraft, It	em No. 2	26			urance - U	JAV
Manufacturer's Name/Plant City/State Location	on			Subline Iten	n		7 101 101 100	1 1 0 0 0 11 0 1		
						7 3 5 1 1 1	45.11			
Weapon System Cost Elements	Ident Code		FY 1999		Total Co	ost In Millions FY 2000	s of Dollars	1	FY 2001	
Cost Elements	Code		F1 1999	Total		F1 2000	Total	 	F1 2001	Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Long-lead for 2 air vehicles and 1 MCE	A	- Quy	Cinc Cost		Q.J			2	Cint Cost	22.388
TOTAL PROGRAM										22.388
			P-1 Shopping	List Item N	No. 26			-	System Cos	-
								E	בxhibit P-5, ן	page 2 of 5

Exhibit P-5A, Procurement	Histo	ry and Pla	nning		<u> </u>	100111111			Da	ite: Februa	ry 2000	
Appropriation (Treasury) Code/CO									e Item Nom			
Aircraft Procurement,	Air F	orce, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 26	_			ance - U	AV
					I			Adva	ance Pro	ocureme	ent	
Weapon System					Subline Iter	n						
HAE_AP		T	T	T			1		1	T		_
WIDG C. 4 FL		П., С.	Location of	RFP Issue		Contract		,•	Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements FY 2001	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Loca	ation	Date	Delivery	Now?	Available?
Long lead for 2 Global Hawks and 1 MCE (FY02)			ASC/RAK		SS	TBD	Ryan Aeronautical (San Diego, CA	Center,	Mar-01		No	
Remarks												
Long lead for production not so six to eight months for long lead		_		on componed	nts and 16-1	8 months for f	abrication and assemb		nate).			
				P-	1 Shopping	List Item No	o. 26		Proc		-	d Planning page 3 of 5

Exhibit P-10 p.1, Ad (Page 1 - Funding)	vance Proc	urement Re	equirements	; Analysis						Date: Febru	lary 2000	
Appropriation (Treasury)									P-1 Line Item N	Vomenclature		
Aircraft Procure	ement, Air	r Force, B	udget Ac	tivity 04,	Other Ai	rcraft, Ite	m No. 26	. []	High Altit	ude Endu	ırance - U	JAV
						·			•	Procurem		!
Weapon System						First System	Award Date			First System	n Completion I	Date
HAE_AP		<u></u> .			'		Mar-	-01			Mar-00	
					(\$ in N	Millions)						
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	<u>FY 1999</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	<u>Total</u>
End Item Qty		'				0	2	2	2	2	TBD	8
CFE	T	T'	, in the second	<u> </u>		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	T	T		ı'		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
			Ţ	1				1			, T	
TOTAL AP		1	,			22.388	12.300	20.000	8.800	8.700	0.000	72.188

<u>Description:</u>
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

Exhibit P-10 p.2, Advance P (Page 2 - Budget Justification	on)	Inalysis				Date: Februa	ary 2000
Appropriation (Treasury) Code/CC/ Aircraft Procurement, A	/BA/BSA/Item Control Number Air Force, Budget Activ	vity 04, Other A	Nircraft, Item N	o. 26	High	ne Item Nomenclature n Altitude Endur ance Procuremo	
Weapon System							
HAE_AP		$TOA^{-\epsilon}$	\$ in Millions)				
		(10/1, 4	ili wiiiioiis)			FY 2001 Contract	FY 2001 Total Cost
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	FY 2001 QTY	Y	Forecast Date	Request
End Item		_			<u> </u>		
CFE		Γ	Т	<u> </u>		Mar-01	22.388
GFE			+			17141 01	22.000
EOQ							
Design							
Term Liability							
TOTAL AP		<u> </u>					22.388
		<u> </u>					22.300
Description: Long lead for two air vehicles an	nd one MCE.						
		P-1 Shoppin	ng List Item No. 26		Advan	(Page 2 - I	equirements Analysis Budget Justification) P-10 p.2, page 5 of 5

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Iter	n Justificatior								Date: Febi	ruary 2000	
Appropriation (Treasury) Code,	/CC/BA/BSA/Item	Control Numb	er					P-1 Line Item	Nomenclature	1	
Aircraft Procuremer	nt, Air Force	e, Budget	Activity ()4, Other	Aircraft, I	tem No. 2	27	PREDAT	OR UAV		
Program Element for Code I	3 Items:	35205F			Other Relate	ed Program El	lements:		27245F		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A	49	7	8	7	6	8	8	8	TBD	TBD
Total Proc Cost (\$ M)			129,750	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 additonal 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

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

Exhibit P-5, Weapon System Cost Analysis								Date: Febr	uary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont Aircraft Procurement, Air Force, Bu		ctivity 04	l, Other A	ircraft, Ite	em No. 27		P-1 Line Item N			
Manufacturer's Name/Plant City/State Location		-		Subline Item		<u> </u>				
General Atomics ASI/Rancho Bernardo/CA										
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
		Qty	Unit Cost	Total Cost	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	9	2.414	21.728
P3I	A			12.474			2.500			
Production Support	A			3.970			3.350			0.350
Interim Contractor Logistic Supprt	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			22.078

Comments

P-1 Shopping List Item No. 27

Weapon System Cost Analysis Exhibit P-5, page 2 of 8

^{*}Integrated Logistics Support includes Spares.

^{**} FY99 Kosovo Supplemental funded four laser targeting designators.

Exhibit P-5A, Procurement	Histo	ry and Pla	nning						Date: Februa	ary 2000	
Appropriation (Treasury) Code/CC								P-1 Line Item			
Aircraft Procurement,	Air F	Force, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 27	PREDAT	OR UAV		
Weapon System					Subline Ite	m					
PRED											
									Date of	Specs	Date
			Location of	RFP Issue	Contract	Contract		Awar	d First	Available	Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Type	Contractor and Loca	tion Date	Delivery	Now?	Available
FY 1998											
GCS/General Atomics	2		ASC/RAKB		SS	FPI	General Atomics	Mar	-98 Mar-00	Yes	
ASI											
A/V/General Atomics	16		ASC/RAKB		SS	FPI	General Atomics	Mar	-98 Sep-99	Yes	
ASI											
SAR/Northrup Grumman	27		CECOM		SS	FFP	Northrop 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	1		ASC/RAKB		SS	FPI	General Atomics	Aug	-99 Jan-01	Yes	
ASI											
A/V/General Atomics	11		ASC/RAKB		SS	FPI	General Atomics	Aug	-99 Nov-00	Yes	
ASI											
SAR/Northrup Grumman	24		CECOM		SS	FFP	Northrop 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	1		ASC/RAKB		SS	FPI	General Atomics	Dec	-99 Nov-01	Yes	
ASI											
A/V/General Atomics	8		ASC/RAKB		SS	FPI	General Atomics	Dec	-99 Oct-01	Yes	
ASI											
FY 2001											
A/V/General Atomics	7		ASC/RAKB		SS	FFP	General Atomics	Dec	-00 Jun-02	Yes	
ASI											
FY 2002											
A/V/General Atomics	6		ASC/RAKB		SS	FFP	General Atomics	Dec	-01 Jan-03	Yes	
ASI											
FY 2003											

P-1 Shopping List Item No. 27

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

Exhibit P-5A, Procuremen	t Histor	y and Pla	nning		0.102/			I	Da	te: Februa	ry 2000	
Appropriation (Treasury) Code/C									ne Item Nom			
Aircraft Procurement	, Air F	orce, B	udget Act	ivity 04,	Other A	ircraft, Ite	m No. 27	PRE	DATOR	UAV		
Weapon System					Subline Iter	m Continued						
				RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Type	Contractor and Loca	ition	Date	Delivery	Now?	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	
PPSL will be procured sept The SAR will be procured 2. The FY98, FY99 and FY00	seperatel	ly under a c	ontract with N	Northrup Gr ir vehicles a	s well as sys	stem air vehicl	les.					
				P-	1 Shopping	List Item No	o. 27		Proc		-	l Planning age 4 of 8

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. 27 PREDATOR UAV ACCEP. L PRIOR DUE 1998 CALENDAR YEAR 1999 CALENDAR YEAR 2000 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N D M M Α T PROCUREMENT YEAR R QTY C O Е P U U U Е C O Е U 1 OCT 1 OCT Е Α Α Α Α Е Α P Α U U Ε Е V C 1998 1998 V N В Y Ν G P V R Y N R FY 1998 GCS/General Atomics USAF A/V/General Atomics JSAF 16 16 0 27 27 8 SAR/Northrup Grumman USAF 2 PPSL/L-3 Comm USAF 0 FY 1999 GCS/General Atomics USAF A/V/General Atomics USAF 11 11 11 SAR/Northrup Grumman USAF 24 24 24 PPSL/L-3 Comm USAF 2 0 LTD/Raytheon USAF 4 0 4 0 FY 2000 GCS/General Atomics USAF A/V/General Atomics USAF FY 2001 A/V/General Atomics USAF FY 2002 A/V/General Atomics USAF FY 2003 A/V/General Atomics USAF FY 2004 A/V/General Atomics USAF FY 2005 A/V/General Atomics USAF TOTAL 0 U U U U U C O Е Е P Е C O Е Е Ρ U Е Α Α A Α Α Α N Y Т V В R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST HOURS REACHED LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS D+ AFTER TIME PPSL/L-3 Comm Salt Lake City, UT 1-8-5 4 PRIOR AFTER 1 OCT SAR/Northrup Grumman Baltimore, MD 7 1-8-5 27 1 OCT 1 OCT A/V/General Atomics ASI Rancho Bernardo, CA 7 1-8-5 18 INITIAL 14 20 27 REORDER 14 15 GCS/General Atomics ASI Rancho Bernardo, CA 1 1-8-5 Fort Worth, TX LTD/Raytheon N/A REMARKS

1. Systems--A system is comprised of four air vehicles, one Ground Control Station (GCS), one PPSL and three SARs. SARs will be procured seperately under a contract with Northrup Grumman. PPSL will be procured seperately 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).
- 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, page 5 of 8

Date: February 2000 Exhibit P-21 (2), 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 ACCEP. L PRIOR DUE 2000 CALENDAR YEAR 2001 CALENDAR YEAR 2002 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N D M M Α T PROCUREMENT YEAR R QTY C O Е U U U Е C O Е Е U U 1 OCT 1 OCT Е Α Α P Α Α Α P A U Ε Е V C 2000 2000 V N Ν G P V N G R FY 1998 GCS/General Atomics USAF A/V/General Atomics JSAF 16 16 0 27 0 SAR/Northrup Grumman USAF 8 PPSL/L-3 Comm USAF 0 0 FY 1999 GCS/General Atomics USAF 0 A/V/General Atomics USAF 11 11 0 SAR/Northrup Grumman USAF 24 0 24 2 0 PPSL/L-3 Comm 0 USAF 2 0 LTD/Raytheon USAF 4 4 0 0 FY 2000 GCS/General Atomics USAF 0 A/V/General Atomics USAF FY 2001 A/V/General Atomics USAF FY 2002 A/V/General Atomics USAF FY 2003 A/V/General Atomics USAF FY 2004 A/V/General Atomics USAF FY 2005 A/V/General Atomics USAF TOTAL 0 U U U U C O Е Е P U Е C О Е Е Ρ U Е Α Α Α Α Α Α N Y Т V В R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST HOURS REACHED LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS D+ AFTER TIME PPSL/L-3 Comm Salt Lake City, UT 1-8-5 4 PRIOR AFTER 1 OCT SAR/Northrup Grumman Baltimore, MD 7 1-8-5 27 1 OCT 1 OCT A/V/General Atomics ASI Rancho Bernardo, CA 7 1-8-5 18 INITIAL 14 20 27 REORDER 14 15 GCS/General Atomics ASI Rancho Bernardo, CA 1 1-8-5 Fort Worth, TX LTD/Raytheon N/A REMARKS

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

Date: February 2000 Exhibit P-21 (3), 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 ACCEP. L PRIOR DUE 2002 CALENDAR YEAR 2003 CALENDAR YEAR 2004 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N D M M Α T PROCUREMENT YEAR R QTY C O Е U U U Е C O Е Е U U 1 OCT 1 OCT Е Α Α P Α Α Α P Α U Ε Е V C 2002 2002 V N В N G Р V N N R FY 1998 GCS/General Atomics USAF A/V/General Atomics JSAF 16 16 0 27 27 0 SAR/Northrup Grumman USAF 0 PPSL/L-3 Comm USAF 0 0 FY 1999 GCS/General Atomics USAF 0 0 A/V/General Atomics USAF 11 11 0 0 SAR/Northrup Grumman USAF 24 24 0 0 PPSL/L-3 Comm 0 0 USAF 2 LTD/Raytheon USAF 4 4 0 0 FY 2000 GCS/General Atomics USAF 0 0 A/V/General Atomics USAF 8 0 FY 2001 A/V/General Atomics USAF 4 3 0 FY 2002 A/V/General Atomics USAF FY 2003 A/V/General Atomics USAF FY 2004 A/V/General Atomics USAF FY 2005 A/V/General Atomics USAF TOTAL 0 U U U U C O Е Е P U Е C O Е Е Ρ U Е Α Α Α Α Α Α N Y Т V В R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST HOURS REACHED LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS D+ AFTER TIME PPSL/L-3 Comm Salt Lake City, UT 1-8-5 4 PRIOR AFTER 1 OCT SAR/Northrup Grumman Baltimore, MD 7 1-8-5 27 1 OCT 1 OCT A/V/General Atomics ASI Rancho Bernardo, CA 7 1-8-5 18 INITIAL 14 20 27 REORDER 14 15 GCS/General Atomics ASI Rancho Bernardo, CA 1 1-8-5 Fort Worth, TX LTD/Raytheon N/A REMARKS

1. Systems--A system is comprised of four air vehicles, one Ground Control Station (GCS), one PPSL and three SARs. SARs will be procured seperately under a contract with Northrup Grumman. PPSL will be procured seperately 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).
- 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 (3), page 7 of 8

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 ACCEP. L PRIOR DUE 2004 CALENDAR YEAR 2005 CALENDAR YEAR 2006 Α PROC. ITEM/MANUFACTURER/ Е TO AS OF 0 N D M M Α T PROCUREMENT YEAR R QTY C O Е U U U Е C O Е Е U U 1 OCT 1 OCT Е Α Α P Α Α Α P A U Ε Е V C 2004 2004 V N В Ν G P V N R FY 1998 GCS/General Atomics USAF A/V/General Atomics JSAF 16 16 0 27 27 0 SAR/Northrup Grumman USAF 0 PPSL/L-3 Comm USAF 0 0 FY 1999 GCS/General Atomics USAF 0 0 A/V/General Atomics USAF 0 0 SAR/Northrup Grumman USAF 24 24 0 0 PPSL/L-3 Comm 0 USAF 2 0 LTD/Raytheon USAF 4 4 0 0 FY 2000 GCS/General Atomics USAF 0 0 A/V/General Atomics USAF 8 0 FY 2001 A/V/General Atomics USAF 0 0 FY 2002 A/V/General Atomics USAF FY 2003 A/V/General Atomics USAF 0 FY 2004 A/V/General Atomics USAF FY 2005 A/V/General Atomics USAF TOTAL 0 U U U C U U C O Е Е P Α Е О Е Е Α Ρ U Е Α Α Α Α N В Y Т V R R Y G PRODUCTION RATES PROCUREMENT LEAD TIME MIN SHIFT ADMIN SUST HOURS REACHED LEAD TIME TOTAL MFG MANUFACTURER'S NAME LOCATION DAYS D+ AFTER TIME PPSL/L-3 Comm Salt Lake City, UT 1-8-5 4 PRIOR AFTER 1 OCT SAR/Northrup Grumman Baltimore, MD 7 1-8-5 27 1 OCT 1 OCT A/V/General Atomics ASI Rancho Bernardo, CA 7 1-8-5 18 INITIAL 14 20 27 REORDER 14 15 GCS/General Atomics ASI Rancho Bernardo, CA 1 1-8-5 Fort Worth, TX LTD/Raytheon N/A REMARKS

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

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

THIS PAGE INTENTIONALLY LEFT BLANK

=ximbit: io, =aagetite.	ouoimounoi.								Date. I ob		
Appropriation (Treasury) Code	/CC/BA/BSA/Item	Control Numbe	r								
Aircraft Procuremen	nt, Air Force	, Budget A	Activity 06	, Aircraft	Spares an	d Repair	Parts				
Program Element for Code I	3 Items:	N/A			Other Related	d Program Ele	ements:		N/A		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
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):

Exhibit P-40. Budget Item Justification

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.

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

Date: February 2000

Variable Variable										Exhibit P-5, Weapon System Cost Analysis
Variable Variable				Parts	Repair F	pares and	Aircraft S	tivity 06,		** * * * * * * * * * * * * * * * * * * *
Cost Elements				_	•	•				Manufacturer's Name/Plant City/State Location
Cost Elements										
Qty Unit Cost Total Cost Qty Unit Cost Total Cost Qty Unit Cost Total Cost Qty Unit Cost Total Cost Qty Unit Cost			f Dollars		Total Cos				_	
Qty	Y 2001			FY 2000			FY 1999		Code	Cost Elements
Armament	Total iit Cost Cost	Qty		Unit Cost	Qty		Unit Cost	Qty		
Software A Image: Control of the contro									A	Avionics
Other Government Furnished Equipment (GFE) A									A	Armament
Engineering Change Orders (ECO) A Nonrecurring Costs A Other Costs A FLYAWAY COST SUBTOTAL Airframe Peculiar Ground Support Equipment (PGSE) Engine PGSE A Peculiar Training Equipment A Publications/Technical Data A Other A									A	Software
Nonrecurring Costs Other Costs A Other Costs FLYAWAY COST SUBTOTAL Airframe Peculiar Ground Support Equipment (PGSE) Engine PGSE A Peculiar Training Equipment A Publications/Technical Data A Other A Other									A	Other Government Furnished Equipment (GFE)
Other Costs A ————————————————————————————————————									A	Engineering Change Orders (ECO)
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									A	Nonrecurring Costs
Airframe Peculiar Ground Support Equipment (PGSE) Engine PGSE A Peculiar Training Equipment A Publications/Technical Data A Other A A A A A A A A A A A A A A A A A A A									A	Other Costs
(PGSE) A Sengine PGSE A A Seculiar Training Equipment A A Seculiar Training Equipment									A	FLYAWAY COST SUBTOTAL
Peculiar Training Equipment A									A	
Publications/Technical Data A SECOS A SOTHER STATES A SOTTE STATES A SO									A	Engine PGSE
ECOs A SOLUTION OTHER SOLUTION OF THE SOLUTION									A	Peculiar Training Equipment
Other A .									A	Publications/Technical Data
									A	ECOs
SUPPORT COST SUBTOTAL A									A	Other
									A	SUPPORT COST SUBTOTAL
INITIAL SPARES (Budget Program 16) A 512.938 441.221	356.856		441.221			512.938			A	INITIAL SPARES (Budget Program 16)
TOTAL PROGRAM										TOTAL PROGRAM
Comments	•									<u>Comments</u>

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	

Initial Spare Fu	nding Summary					
P-1 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

Exhibit P-18A	, Initial Spare Funding Summary				Date: February 2000				
	easury) Code/CC/BA/BSA/Item Control Number Courement, Air Force, Budget Activity 06	Aircraft Sparce a	and Pongir Parte						
P-1 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 / NFO 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

Exhibit P-18A, Initial Spare Funding

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						

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

Date: February 2000

THIS PAGE INTENTIONALLY LEFT BLANK

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

THIS PAGE INTENTIONALLY LEFT BLANK

FY 01 AMENDED BUDGET REQUEST BP 12 - COMMON SUPPORT EQUIPMENT FEBRUARY 2000

THIS PAGE INTENTIONALLY LEFT BLANK

UNCLASSIFIED											
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	FEBRUARY 2	2000			
APPROP CODE/BA APAF/AIRCRAFT REPL		PORT EQUIPMEN	Г (О&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: 1. This program (previntermediate (common system) and peculiar (requirements ensure coin age from 10 to 30 years) which are no longer as constraints. Items of eiget engine test stands, esystems.	and peculiar) suunique to one we continuation of se ears old. As a revailable. Many is equipment budge	apport equipment eapon system), di erviceable, support esult, this equipment tems have become eted within this pro-	for out-of-producted support and table equipment suffers freque technological rogram include:	uction aircraft. creaft maintent t over the life of tent failures, can y obsolete or r avionics test s	These items, con ance and servicing of a weapon system annot be economic must be replaced of tations, air condit	nmon (used of grequirements n. Items being ally repaired ue to environts oners, munit	on more than on s. These replace ag replaced typi , and requires sy mental operations handling e	e weapon cement cally range pare parts ng quipment,			
 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. 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 o				-	-		- Processed during				
		P-1 ITEM NO 66	PAGE NO: 7 - 1		Page	1 of 1					

BUDGET ITEM JUSTIFICATIO	N FOR A	GGR	EGATED ITE	MS (EXHIBIT I	P- 40A)			DATE: F	EBRUARY	2000
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SU				P-1 NOMEI	NCLATI			QUIPMENT (O&	l) (OVERVIE	W)
PROCUREMENT ITEMS	ID			FY	1999		FY	2000	FY	2001
	CODE	QTY	r. cos	Γ QTY.	COST	Ī	QTY.	COST	QTY.	COST
1. AIR CONDITIONER, PD-501	Α			22	\$6	6,382				
2. MOBILE AIRBORNE FIRE FIGHTING SYSTEM (MAFFS)	А			5	\$6	5,000	3	\$3,500		
3. LANTIRN SUPPORT AND BOMB DAMAGE ASSESSMENT	А							\$5,300		
4. MAINTENANCE PLATFORM HIGH REACH	А			16	\$8	3,582	11	\$6,077	10	\$5,690
5. 305 RADIO TEST STATION	А			20	\$6	6,450	15	\$7,450	15	\$7,450
6. 405 TRANSPORTABLE RADIO TEST STATION	А			28	\$8	3,750	15	\$7,450	15	\$7,450
7. ELECTRONIC SYSTEM TEST STATION (ESTS)	А				\$19	9,900		\$20,025		\$22,525
8. SELF GENERATING NITROGEN SERVICING CART (SGNSC)	А			2	;	\$635	209	\$7,152	360	\$12,038
9. COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT (CAPRE)	А				:	\$500	270	\$8,092	270	\$5,266
10. JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER (JSECST)	А								54	\$17,247
11. ITEMS LESS THAN \$5 MILLION	A				\$98	3,920		\$110,304		\$100,277
Totals:					\$156	,119		\$175,350		\$177,943
Remarks:										
P-1 ITEM NO : 66				PAGE N 7 - 2	10:				Page 1	of 1

			OITOE/	<u> </u>	<u> </u>							
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	FEBRUARY 2	2000				
APPROP CODE/BA	:			P-1 NOM	MENCLATURE:							
APAF/AIRCRAFT REPL	ACEMENT SUPF	PORT EQUIPMENT	(O&I)	MAINTEN	MAINTENANCE PLATFORM, HIGH REACH							
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005				
QUANTITY												
COST (in Thousands)		\$8,582	\$6,077	\$5,690	\$14,064	\$8,450	\$1,243	\$1,281				
Description: 1. The High Reach M lift consists of a turret, mechanical structure of assembly can be extended Platform enables main service platform for demaintenance platform. 2. Failure to procure the equipment will suspend the tail sections. The contingency operation. 3. Type Item: A	inner and outer apable of transp ded to a maximu tenance personn cicing large aircr to support real-value High Reach d maintenance aponly work-aroun	columns, and an orting up to 1500 am height of 125 and to safely work aft. Lessons learn world contingenci Maintenance Platactions and prevent discreptions and prevent discreptions.	inner/outer boo pounds throug feet and has a r on, remove, an ned during Ope es. form will sever at critical inspec- fied borrowing	om and platform h an extensive naximum horized d install stability ration Allied Fundamental ely impact misterion procedure ganother high	m. The inner/out range of vertical zontal reach of 60 tzers on the C-5 as Force have resulted assion readiness for these large reach platform from	er boom and pland horizontal feet. The High and C-17 aircrated in increased or the C-5 and C transport aircrated and different	atform form an movement. The Reach Maint ft. It also proving requirements for the C-17 aircraft. Laft due to inacc	integrated he boom enance ides a or this ack of this essibility of				
		P-1 ITEM NO:			PAGE NO:		Page	e 1 of 1				

BUDGET PROCUREMEN	T HIST	ORY PL	ANNING (EXHIBI	Г Р- 5А)		DATE: FEBRUARY 2000						
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	UIPMENT (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		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, WA (4)	ACO, TX	FEB 99	JUN 99				
FY00 (2)	11	552,450	AFMC/SA-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP, WA	ACO, TX	FEB 00	MAY 00	Υ			
FY01 (3)	10	569,024	AFMC/SA-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP, WA	ACO, TX	NOV 00	MAR 01	Υ			
REMARKS: 1. FY99 unit cost decreased in a 2. FY00 projected unit cost base objective. 3. FY01 unit cost based on adjus 4. Calavar, Waco, TX, changed i	d on adju sted FY99	usted FY9 9 unit cos	9 DLA contract award. t.	FY00 buy will be a					ntory			
	P-1	ITEM N	O:	PAGE NO 7 - 4	:			Page	e 1 of	1		

			GITOL	TOOII IL	<u> </u>						
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	FEBRUARY :	2000			
APPROP CODE/BA	:			P-1 NOM	ENCLATURE:						
APAF/AIRCRAFT REPL	ACEMENT SUPP	PORT EQUIPMENT	「(O&I)	305 RADIO TEST STATION							
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005			
QUANTITY											
COST (in Thousands)		\$6,450	\$7,450	\$7,450	\$0	\$0	\$0	\$0			
Description:											
1. The 305 Radio Test system based on an optogeneral purpose test extended in the system based on an optogeneral purpose test extended in the E-3 Airborned different testers, allow and eliminate proliferation and troubleshoot failured the ITA to the item under the ITA to the item under the E-3 Airborned in the ITA to the item under the ITA to the item un	en architecture of quipment (GPTE tal modules and Warning & Coring interchangea ation of support of the test. Program would me and maintenate requirements. Apport activities.	of commercial equip. The test equip. Test Program Sentrol System (AWability of tester have equipment, greatl. RUs and SRUs. Amming is done the greatly impair Enance costs while in FY99-01 funding.	ment consists of the consists of the consists of the consists of the consists of the consists of the consists of the consists of the continues	odular design up of a systems con acquisition will placeable Units in maintenance stics support resoft test software all environments incraft mission port for this test representative	sed to support Entroller, controller, controller a standard (LRUs)/Shop Roshops. This interquirements and controller, facilitating operation capable (MC) rate station by procure of items to be presented.	3B/C aircraft. r operational stard commercial eplaceable Universational stard commercial eplaceable Universational state (ITA), rator use/training of state-of-thetes. Prior year ring software	It can also be software, power al test system fits (SRUs). It rewill reduce wo so automatically and cables used ing. e-art TPSs facing funds procured requirements are	used as r source, RF or 78 replaces 14 rk stoppages y diagnose d to connect litates d 305 Radio and funding			
		Page	e 1 of 1								

ONOLAGGII ILD														
WEAPON SYSTEM COST A	NALYSIS	(EXHI	BIT P- 5)						[DATE:	FEBRU	ARY 20	00	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPI	MENT (O&I)	P-1 NOMENCLATURE: 305 RADIO TEST STATION									
WEADON OVETEN	IDENT	IDENT			FY1999				FY2000			FY2001		
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
305 RADIO TEST STATION	А													
TEST PROGRAM SETS (TPS)					20	250,000	5,000	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)							250			750			750	
DATA							700			700			700	
TOTALS:							6,450			7,450			7,450	
REMARKS:														
P-1 ITEM NO : 66						SE NO : - 6					Pa	ge 1 of	1	

			<u> </u>					
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	FEBRUARY 2	2000
APPROP CODE/BA	:			P-1 NOM	ENCLATURE:			
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMEN	(O&I)	405 TRANS	SPORTABLE RAD	O TEST STAT	ION	
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY								
COST (in Thousands)		\$8,750	\$7,450	\$7,450	\$0	\$0	\$0	\$0
Description: 1. The 405 Transporta (RF T-BRAT), is a fle aircraft. It can also be points, three phase face Adapter (ITAs). The transportation of the modules, Analog/Digit for 78 different E-3 Airceplaces 14 different error work stoppages, eliminand troubleshoot failure Interface Test Adapter operator use/training. 2. Failure to fund this reductions in testing times and trought of the transpor	xible test system used as general ility power routinest equipment contained and irborne Warning existing testers, and testers in LRUs and (ITA), and cable program would me and maintent exequirements.	n, based on an open purpose test equing, and dedicated onsists of, but is a Test Program Set & Control System and Control System on of support equal SRUs in the E-3 test used to connect greatly impair the lance costs while FY99-01 funding	en architecture pment (GPTE) radio frequence not limited to, s s (TPSs). This ms (AWACS) geability of tes pment and red B/C while the a set the ITA to the e E-3B/C aircra increasing the continues sup	of commercial of a The interface by paths which is systems controll of procurement put ine Replaceable ter hardware becauses overall logarizeraft is in a determinent of the item being testant mission reading aircraft mission reading in the system of the item being testant mission reading in the system of the item being testant mission reading in the system of the item being testant mission reading in the item of the item o	equipment in a m provides universa- reduce the number er, controller operovides a transpo- le Units (LRUs)/S tween maintenant istics support requipolated. Programminated. Programminated. Programminated iness. Incorporated capable (MC) rastation by procur	odular design al analog, dynar and complex rational softwartable standard shop Replacea ce shops. This uirements and ent. A TPS consist done through the state-oftes. Prior year	used to support amic and static city of Interface are, power sound commercial to ble Units (SRUs interchangeal costs. The TP onsists of test sugh a graphical the-art TPSs for funds procure	t E-3B/C digital test e Test rce, RF est system Js). It pility reduces ess diagnose oftware, I facilitating
		P-1 ITEM NO : 66	PAGE NO: 7 - 7		Page	e 1 of 2		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUA	ARY 2000
APPROP CODE/BA: P-1 NOMENCLATURE:	
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) 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 may change based on critical equipment needed to support current Air Force mission requirements.	during execution
P-1 ITEM NO: PAGE NO:	Page 2 of 2

					-/ 100									
WEAPON SYSTEM COST A	NALYSIS	(EXHII	BIT P- 5)						С	ATE:	FEBRU	ARY 20	00	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPN	MENT (O&I		P-1 NOMENCLATURE: 405 TRANSPORTABLE RADIO TEST STATION									
	IDENT	ıт			FY1999			FY2000			FY2001			
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST	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	5,250	15	350,000	5,250	
INTERIM CONTRACT SUPPORT (ICS)							250			750			750	
INDEPENDENT VALIDATION & VERIFICATION (IV&V)							500			500			500	
PROGRAM SUPPORT										250			250	
TEST/ENGR SUPPORT							300							
TOTALS:							8,750			7,450			7,450	
REMARKS: 8,750 7,450 7														
P-1 ITEM NO: 66			PAG 7	SE NO: - 9					Pa	ge 1 of	1			

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: F	DATE: FEBRUARY 2000		
APPROP CODE/BA:				P-1 NOM	P-1 NOMENCLATURE:				
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				ELECTRO	ELECTRONIC SYSTEM TEST STATION (ESTS)				
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	
QUANTITY									
COST (in Thousands)		\$19,900	\$20,025	\$22,525	\$11,525	\$5,000	\$5,000	\$5,000	
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. 2. Failure to fund the ESTS program will hamper the F-15's ability to sustain required rate of sortic 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. 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-1 ITEM NO 66	:		PAGE NO: 7 - 10		Page	1 of 2	

BUDGET ITEM JUSTIFICATION (I	EXHIBIT P-40)				DATE: FEBRU	JARY 2000
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPP	ORT EQUIPMENT ((O&I)	ELECTRON	IC SYSTEM TEST S	STATION (ESTS)	
Description (cont.): may change based on critical equipment of the control of th	nt needed to suppor	rt current Air Fo	rce mission re	quirements.		
	P-1 ITEM NO:			PAGE NO: 7-11		Page 2 of 2

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)	DATE: FEBRUARY 2000
	P-1 NOMENCLATURE: ELECTRONIC SYSTEM TEST STATION (ESTS)

	IDENT					FY1999			FY2000			FY2001	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
ELECTRONIC SYSTEM TEST STATION (ESTS)	А												
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.

P-1 ITEM NO: 66	PAGE NO: 7 - 12	Page 1 of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2000 **APPROP CODE/BA:** P-1 NOMENCLATURE: SELF-GENERATING NITROGEN SERVICING CART (SGNSC) APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) **FY2000** FY2001 FY2002 FY1999 FY2003 FY2004 FY2005 **QUANTITY** COST (in Thousands) \$635 \$7,152 \$12,038 \$12,434 \$12,811 \$5,425 \$0 **Description:** 1. 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. 2. 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. P-1 ITEM NO: **PAGE NO:** Page 1 of 2 7 - 13

UNCLASSIFIED

66

BUDGET ITEM JUSTIFICATION (I	EXHIBIT P-40)				DATE: FEBRU	JARY 2000
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPF	PORT EQUIPMENT	(O&I)	SELF-GENE	RATING NITROGE	N SERVICING CAR	T (SGNSC)
Description (cont.):						
3. FY00 funding increased from FY0 Oct 1999 wherein Congress increased			nce with FY00	Appropriation Co	onference Report (1	06-371), dated 8
4. Items requested in FY01 are identifing may change based on critical equipment		-	•	-	red. Items procure	d during execution
					Ι	I
	P-1 ITEM NO: 66			PAGE NO : 7 - 14		Page 2 of 2

ONOLAGOII ILD															
WEAPON SYSTEM COST A	NALYSIS	(EXHIE	BIT P- 5)							DATE:	FEBRU	ARY 20	00		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPM	IENT (O&I			P-1 NOMENCLATURE: SELF-GENERATING NITROGEN SERVICING CAR						CART (SGNSC)			
	IDENT				FY1999				FY2000			FY2001			
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST		
SGNSC	А							209	34,220	7,152	360	33,440	12,038		
FIRST ARTICLE UNITS	А				2	244,304	489								
TECHNICAL MANUALS							60								
TRAINING (TYPE I)							46								
PROVISIONING DATA							40								
TOTALS:							635			7,152			12,038		
	P-1 ITEM 66					E NO : - 15					Pa	ge 1 of 1	1		

BUDGET PROCUREMENT	T HIST	ORY PL	ANNING (EXHIBI	T P- 5A)		DATE: F	EBRUA	RY 200	0
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA SELF-GENERATIN	ATURE: G NITROGEN SERVICING (CART (SGNS	C)		
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWI	'· EIDOT	SPECS AVAIL NOW	DATE REV. AVAIL
SGNSC									
FY99 FIRST ARTICLE UNITS	2	244,304	AFMC/SA-ALC	C/FFP	PACIFIC CONSOLIDATED INDUS SANTA ANA, CA	STRIES, OCT	98 FEB 00		
FY00	209	34,220	AFMC/SA-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUS SANTA ANA, CA	STRIES, FEB	00 APR 00	Y	
FY01	360	33,440	AFMC/SA-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUS	STRIES, DEC	00 FEB 01	Υ	
REMARKS:									
	P-1	ITEM N 66	O:	PAGE NO 7 - 16	:		Pag	e 1 of	1

			GITOLA	COII IL	<u> </u>					
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2000										
APPROP CODE/BA:				P-1 NOM	ENCLATURE:					
APAF/AIRCRAFT REPLACE	EMENT SUPP	ORT EQUIPMENT	「(O&I)	AIRCRAFT PORTA	BLE REPRO	GRAMMING EQI	JIPMENT			
		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: 1. The Common Aircraft System (DCS). The CAP pods, perform aircraft dial equipment supports the form of the company of the comp	RE will be use gnostic troub ollowing Air lons rely on the enhancing mirnal component current three graded, adversion are identification.	sed on the flightli leshooting, and s Force weapon systematics. For the section of the section of the section of the section of the section of the following and the section of the following are section on the following and the section of the sect	ne to reprogram upport automate stems: A-10, B- nt of updated opess. Current PL rocure the CAP rapability will be craft readiness. ing P-5 and are ort current Air I	software in aired technical ordered technical ordered technical ordered technical ordered technical ordered technical flight vs and DCSs are will prevent the reduced and ordered technical technica	rcraft computers, ders and related m C-130, F-15, F-10 at software and end are becoming increate essential loading could result in the	update threat aintenance in 5, H-60, and in emy threat intrasingly unsurated of classified loss of aircra	data in electronal data in electronal data in electronal data in electronal data of the da	educing onto the intenance		
		P-1 ITEM NO : 66			PAGE NO: 7 - 17		Page	1 of 1		

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)	DATE: FEBRUARY 2000	
	P-1 NOMENCLATURE: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT	

	IDENT					FY1999			FY2000			FY2001	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
CAPRE	Α							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.

P-1 ITEM NO: 66	PAGE NO: 7 - 18	Page 1 of 1

BUDGET PROCUREMEN	COMMON AIRCRAFT PORTABLE REPRO- CONTRACT METHOD & TYPE CONTRACT AL YEAR CONTRACT METHOD & TYPE AND LOCATION CONTRACT METHOD & TYPE AND LOCATION CONTRACT METHOD & TYPE CONTRACTOR AND LOCATION								0	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EG	QUIPMENT (O&I)	P-1 NOMENCLATURE: COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT						
ITEM / FISCAL YEAR	QTY.		LOCATION OF PCO		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	Υ		
FY01	270	9,137	AFMC/SA-ALC	MIPR/FFP	GSA/UNKNOWN	NOV 00	DEC 00	Υ		
	ln 4	IT/FAA N		DACE NO						
	P-1	ITEM N	O:	PAGE NO	:		Page	e 1 of	1	

			<u> </u>	10011 IL	<u> </u>			
BUDGET ITEM JUS	TIFICATION (EXHIBIT P-40)				DATE:	FEBRUARY 2	2000
APPROP CODE/BA	:			P-1 NON	MENCLATURE	:		
APAF/AIRCRAFT REPL	ACEMENT SUPF	ORT EQUIPMENT	「(O&I)	JOINT SE	RVICE ELECTRO	ONIC COMBAT S	SYSTEMS TESTI	ΕR
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY								
COST (in Thousands)		\$0	\$0	\$17,247	\$31,205	\$0	\$0	\$0
Description: 1. The Joint Service Everifying system status USM-406C/D tester, a prototypes currently in Descriptive Summarie 2. The Combat Air Foto ensuring aircraft concapability for combat at 3. Items requested in may change based on a	s and providing augment the Nava engineering mates in PE 64270F. Orce considers the motion of the effectivence aircraft, ultimate of the effectivence for the effectivence aircraft are identificated.	malfunction diagray USM-482A test anufacturing develor. This tester supported ISECST a top pass. Failure to probly impacting read-	nostics for Air ter, and fill a valopment (EME orts the follow oriority procure ocure the JSEC iness and sortion P-5 and are	Force and Navyoid in current AD) are being proing Air Force a ement item due EST will leave for the rate generation of the representative	y aircraft. The Jair Force electron cured with RDT ircraft: A-10, Conto the increasing field level units in the conto the increasing field level units in the conto the property of the property aircraft.	SECST will repair combat system of the syste	place the Navy ems testing cap imented in the AF-16. aircraft electronal thine electronic	ability. Five Air Force nic systems c system test
		P-1 ITEM NO: 66			PAGE NO 7 - 20):	Page	1 of 1

					-/ 100								
WEAPON SYSTEM COST A	NALYSIS	(EXHIB	3IT P- 5))					1	DATE:	FEBRU.	ARY 20	00
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPM	ENT (O&I	I)	P-1 NON JOINT SE			ІІС СОМІ	BAT SYS	TEMS TES	STER		
	IDENT			•		FY1999			FY2000	1		FY2001	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
JSECST	А										54	186,065	10,048
TEST PROGRAM SETS (TPS)													6,227
ENG CHANGE ORDERS (ECO)													972
TOTALS:													17,247
The Air Force and the Navy are buy													
	P-1 ITEM					GE NO :					Pa	ge 1 of 1	1

BUDGET PROCUREMENT	T HIST	ORY PL	ANNING (EXHIBI	T P- 5A)		DATE	: FEI	BRUAF	RY 200	0
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUP	PORT EC	UIPMENT (O&I)	P-1 NOMENCLA JOINT SERVICE E	ATURE: LECTRONIC COMBAT SYS	TEMS T	ESTER			
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	Υ	
First article testing is being accom Price Commitment Curve (PPCC) Critical Design Review. A produc	establis	hed durin	g award of the R&D co	ontract, the Governm	ent will award a sole source	Corp. m product	eets a P	roductio ract after	n ·	
	P-1	ITEM N 66	O:	PAGE NO : 7 - 22	:			Page	e 1 of	1

		CITOLA	OOII ILI	<u> </u>			
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)				DATE:	FEBRUARY 2	2000
APPROP CODE/BA:			P-1 NOM	ENCLATURE:			
APAF/AIRCRAFT REPLACEMENT SUPP	PORT EQUIPMENT	(O&I)	ITEMS LES	S THAN \$5,000,000)		
	FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005
QUANTITY							
COST (in Thousands)	\$98,920	\$110,304	\$100,277	\$80,897	\$76,946	\$70,700	\$76,250
Description: 1. The "Items Less Than \$5 Million" out-of-production aircraft. Common is support aircraft maintenance and servit over the life of a weapon system, and non-stocklisted (NSL). 2. All items have an annual procurement the following P-40a and are representanceded to support Air Force mission residues.	tems (used on mo icing requirements consist of over 70 ent value of less tative of items to b	re than one wears. These replace, 000 national sto	oon system) an ment items ens ck numbers (N	d peculiar items (usure continuation of NSNs) items as we atted Code A. Item	unique to one of serviceable Il as numero as requested	e weapon syster e, supportable e us items which in FY01 are ide	n) directly quipment are ntified on
	P-1 ITEM NO : 66			PAGE NO: 7 - 23		Page	1 of 1

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITE	MS (EXHIBIT P- 40A-IL)	DATE: FEBRUARY 2000
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE:	

					FY2001
PROCUREMENT ITEMS	NSN	QTY.	COST	QTY.	COST
MAJOR PROCUREMENTS					
MHU-83D/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
P-1 ITEM NO : 66	PAGE NO: 7 - 24	<u> </u>		Page	e 1 of 4

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

						FY2001
PROCUREMENT ITEMS		NSN	QTY.	COST	QTY	
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	l	PAGE NO: 7 - 25		1		Page 2 of 4

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

					FY2001
PROCUREMENT ITEMS	NSN	QTY.	COST	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):		Pag	je 3 of 4

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A-IL) DATE: FEBRUARY 2000 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) ITEMS LESS THAN \$5,000,000 FY2001 PROCUREMENT ITEMS NSN QTY. COST QTY. COST FSC 6230 ELECTRIC PORTABLE AND HAND LIGHTING \$1 **EQUIPMENT** FSC 6610 FLIGHT INSTRUMENTS \$1 FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES \$4,654 MEASURING AND TESTING INSTRUMENT FSC 6635 PHYSICAL PROPERTIES TESTING EQUIPMENT \$1,446 FSC 6636 ENVIRONMENTAL CHAMBERS RELATED \$4 **EQUIPMENT** FSC 6650 OPTICAL INSTRUMENTS \$1,135 FSC 6665 HAZARD DETECTING INSTRUMENTS AND \$149 **APPARATUS** FSC 6670 SCALES AND BALANCES \$39 FSC 6675 DRAFTING, SURVEYING AND MAPPING \$133 **INSTRUMENTS** FSC 6680 LIQUID AND GAS FLOW, LIQUID LEVEL, AND \$106 MECHANICAL MOTION MEASURING INSTRUMENTS FSC 6685 PRESSURE, TEMPERATURE, AND HUMIDITY, \$17 MEASURING AND CONTROLLING INSTRUMENTS FSC 6695 COMBINATION AND MISCELLANEOUS \$3 INSTRUMENTS FSC 7025 AUTOMATIC DATA PROCESSING INPUT/OUTPUT \$9 AND STORAGE DEVICES NSI NON-STOCKLISTED \$4.233 \$100,277 TOTALS:

UNCLASSIFIED

PAGE NO:

7 - 27

Page 4 of 4

P-1 ITEM NO:

66

FY 01 AMENDED BUDGET REQUEST BP 13 - POST PRODUCTION SUPPORT FEBRUARY 2000

1							Date: Fer	Juary 2000	
1 Control Numbr	er	•			•	P-1 Line Iter	n Nomenclatu	re	·
e, Budget	Activity 0	7, Aircraf	it Suppo	rt Equipn	nent and	A-10 Po	st Prod S	upport	•
	-	·		• •					
N/A			Other Relat	ed Program I	Elements:				
Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
<u> </u>	'	'							
	10.957	8.102							19.059
n	e, Budget	n Control Number e, Budget Activity 0 N/A Prior Years FY 1999	n Control Number e, Budget Activity 07, Aircraf N/A Prior Years FY 1999 FY 2000	N/A Other Relate Prior Years FY 1999 FY 2000 FY 2001	n Control Number e, Budget Activity 07, Aircraft Support Equipm N/A Prior Years FY 1999 FY 2000 FY 2001 FY 2002	e, Budget Activity 07, Aircraft Support Equipment and N/A Other Related Program Elements: Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003	P-1 Line Item e, Budget Activity 07, Aircraft Support Equipment and N/A Other Related Program Elements: Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004	P-1 Line Item Nomenclatur e, Budget Activity 07, Aircraft Support Equipment and N/A Other Related Program Elements: Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005	P-1 Line Item Nomenclature A-10 Post Prod Support N/A Other Related Program Elements: Prior Years FY 1999 FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 To Comp

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

Exhibit P-5, Weapon System Cost Analysis	1							Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont							P-1 Line Item N	lomenclatur	e	
Aircraft Procurement, Air Force, B	udget A	ctivity 07	7, Aircraft	Support	Equipme	ent and	A-10 Post	: Prod S	upport	
Facilities, Item No. 67										
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed Martin Technology Services, Mesa, AZ										
Weapon System	Ident			•	Total Cos	t In Million	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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	A									
(PGSE)										
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			
				1000						
TOTAL PROGRAM				10.957			8.102			
Comments										
		r	D_1 Shannin	g List Item N	0.67			Moone	a System Car	et Analysis
		ı	ı ənoppin	y List itelli N	U. U <i>I</i>			_	n System Cos	-
									Exhibit P-5, p	Jage ∠ or 5

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipme Facilities, Item No. 67 Weapon System A-10 Equipment Nomenclature: Unit Training Device (UTD) Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY Proc 10.957 8.102 TRAINING SYSTEM DESCRIPTION This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a locations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system technology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to AGM-65 launch, and threat avoidance.	FY 2003 FY 20 vide A-10 fighter pilots co ystem. The A-10 UTD Vis	continuation training at s Visual System consists of	Total 19.0 quadron the latest
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment Facilities, Item No. 67 Weapon System A-10 Equipment Nomenclature: Unit Training Device (UTD) Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY 2000 Proc 10.957 8.102 TRAINING SYSTEM DESCRIPTION This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a cocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	FY 2003 FY 20 vide A-10 fighter pilots co ystem. The A-10 UTD Vis	Post Prod Suppose Prod Suppose Production Training at serious System Consists of Production Product	Total 19.0 quadron the latest
Veapon System A-10 Equipment Nomenclature: Unit Training Device (UTD) Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY roc 10.957 8.102 CRAINING SYSTEM DESCRIPTION This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a cocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	FY 2003 FY 20 vide A-10 fighter pilots co ystem. The A-10 UTD Vis	2004 FY 2005 continuation training at s Visual System consists of	Total 19.0 quadron the latest
Veapon System A-10 Equipment Nomenclature: Unit Training Device (UTD) Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY 2000 TO TO TO TO TO TO TO TO TO TO TO TO TO	vide A-10 fighter pilots co ystem. The A-10 UTD Vis	continuation training at s Visual System consists of	quadron the latest
Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY 2000 TO TO TO TO TO TO TO TO TO TO TO TO TO	vide A-10 fighter pilots co ystem. The A-10 UTD Vis	continuation training at s Visual System consists of	quadron the latest
Fin Plan FY 1999 FY 2000 FY 2001 FY 2002 FY 2000 Proc 10.957 8.102 FY 2001 FY 2002 FY 2001 FY 2002 FY 2001 FY 2002 FY 2001 FY 2002 FY 2001 FY 2002 FY 2001 FY 2002 FY	vide A-10 fighter pilots co ystem. The A-10 UTD Vis	continuation training at s Visual System consists of	quadron the latest
Proc 10.957 8.102 FRAINING SYSTEM DESCRIPTION This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a ocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	vide A-10 fighter pilots co ystem. The A-10 UTD Vis	continuation training at s Visual System consists of	quadron the latest
TRAINING SYSTEM DESCRIPTION This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a ocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	ystem. The A-10 UTD Vis	visual System consists of	quadron the latest
This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a ocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	ystem. The A-10 UTD Vis	visual System consists of	the latest
This activity funds required Unit Training Devices (UTDs) which will enable the Combat Air Forces to provide a ocations to ensure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to	ystem. The A-10 UTD Vis	visual System consists of	the latest
echnology, commercial off-the-shelf image generation system and display. This system will allow A-10 pilots to			
	lots to train visual landing	g approaches, target acq	uisition,
AGM-65 launch, and threat avoidance.			

Exhibit P-43 p.2, Sin Appropriation (Treasury) Aircraft Procure	Code/CC/BA/BSA/	Item Control Nun	nber	` ,	Support F	quinment a		Date: Fe Item Nomencla Post Prod		
Facilities, Item N		noc, Baage	A Addivity o	, Anorait	Саррон Е	quipinioni		1 03(1100	Саррогі	
Weapon System A-10										
Equipment Nomencla	ture: Unit Train	ing Device (UT	D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	999	FY 2	2000	FY 2	2001
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT						
	A-10 Units				4	10.957	3	8.102		
TOTAL		1			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

Exhibit P-43 p.3, Simulator	and Training		Date: February 2000							
Appropriation (Treasury) Code/CC/ Aircraft Procurement, Facilities, Item No. 67		_	P-1 Line Item Nomenclature A-10 Post Prod Support							
Weapon System A-10		_		_	_		_			_
Equipment Nomenclature: Air	rcrew Trainers	i								
Description:										
This page is not required - Does	not exceed \$5N	√ for Unit Trai	ning Device (I	UTD).						
FINANCIAL PLAN	FY 19	999	FY 2	000	FY	2001	To Co	omplete	Total	Costs
FINANCIAL I LAIN	QTY COST QTY COST QTY COST							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									

P-1 Shopping List Item No. 67

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 5 of 5

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget item	Justification	Date. February 2000									
Appropriation (Treasury) Code/	CC/BA/BSA/Iten	P-1 Line Item Nomenclature									
Aircraft Procuremen	t, Air Forc	ent and	B-2A Post Prod Support								
Facilities, Item No. 68											
Program Element for Code B	Items:	11127F			Other Relate	d Program El	ements:	N/A			
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty	A										
Total Proc Cost (\$ M)			243.442	65.876	18.603	12.559	3.311	7.402	7.593		358.786

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 accoustic) 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 nucleur 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 capibility 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

Exhibit P-40 Rudget Item 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

Date: February 2000

•		ctivity 0	7. Aircraft	Support F	- autiom								
Facilities, Item No. 68	get A	ctivity 0	7. Aircraft	Support F	- audam			P-1 Line Item Nomenclature					
Facilities, Item No. 68	-		. , , till Olai	. Suppoit L	:quipin	ent and	B-2A Post	Prod S	Support				
<u> </u>		_											
Manufacturer's Name/Plant City/State Location				Subline Item									
Northrop Grumman CForp., B-2 Division, Pico Rivera	a, Ca.												
Weapon System Id	Ident				Total Cost In Millions of Dollars								
Cost Elements C	Code	FY 1999		FY 2000					FY 2001				
				Total			Total			Total			
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost			
Avionics	A												
Armament	A						5.000			2.000			
Software	A												
1 1 \	A												
Engineering Change Orders (ECO)	A			0.000									
Nonrecurring Costs	A			13.600			18.700			4.900			
Other Costs	A			36.100									
FLYAWAY COST SUBTOTAL	A			49.700			23.700			6.900			
Airframe Peculiar Ground Support Equipment	A			28.300			8.200			2.200			
(PGSE)													
Engine PGSE	Α			0.000			0.000						
Peculiar Training Equipment	A			17.700			4.000						
Publications/Technical Data	Α			2.400			1.500			0.100			
ECOs	A												
Other	A			8.042			5.676			0.500			
SUPPORT COST SUBTOTAL	A			56.442			19.376			2.800			
ICS	A			45.600									
S/W INVESTMENT	A			77.600			13.300			5.300			
PROG. MGMT. ADM. RQMTS	A			14.100			9.500			3.603			
TOTAL PROGRAM				243.442			65.876			18.603			
Comments													
Comments													
Comments													

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

Weapon System B-2A

Equipment Nomenclature: Unit Training Device (UTD)

	U	, ,						
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

Exhibit P-43 p.2, Simu	lator and Tra		Date: February 2000							
Appropriation (Treasury) Co Aircraft Procurem Facilities, Item No	ent, Air Fo		P-1 Line Item Nomenclature B-2A Post Prod Support							
Weapon System B-2A										
Equipment Nomenclatur	re: Unit Train	ing Device (UT	D)							
IOC Date	Initial RFT: D	Dec 93								
TRAINING	SITE	DELIVERY	READY	AVG	FY	1999	FY 2	2000	FY	2001
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
Maintenance						13.000		0.000		
Concurrency Updates										
Air Vehicle Concurrency Updates						4.700		4.000		
TOTAL						17.700		4.000		

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 4 of 6

Exhibit P-43 p.3, Simulator	and Training		Date: February 2000							
Appropriation (Treasury) Code/CC. Aircraft Procurement, Facilities, Item No. 68	Air Force,		tivity 07, /	Aircraft Su	pport Eq	uipment and	_	Item Nomenclat Post Prod		
Weapon System B-2A										
Equipment Nomenclature: Air	rcrew Trainer	rs								
Description:										
Contains funding for block upda										
FINANCIAL PLAN	FY	1999	FY 2		FY	2001	To Co	mplete	Total	1 Costs
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs								1		
		4.700		4.000		0.000				8.700
Total Hardware Costs		4.700		4.000		0.000				8.700
Support Costs										
Total Support Costs										
-			T			1				
TOTAL COSTS	 	4.700		4.000		0.000			 	8.700
101112 00515		1.700		1.000		0.000				0.700

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 5 of 6

Exhibit P-43 p.4, Simulator	and Training Device Ju		Date: F	ebruary 2000	5						
Appropriation (Treasury) Code/CC Aircraft Procurement, Facilities, Item No. 68	, Air Force, Budget		Aircraft Su	upport Eq	uipment an	_	P-1 Line Item Nomenclature B-2A Post Prod Support				
Weapon System B-2A						•					
Equipment Nomenclature: M	laintenance										
Description:											
Contains all necessary equipme	ent for maintenance training	equipment as w	ell as future blo	ock updates to	maintain concur	rency with th	ne air vehicle.				
FINANCIAL PLAN	FY 1999	FY	2000	FY	2001	To Co	omplete	Tota	al Costs		
FINANCIAL FLAIN	QTY COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST		
Hardware Costs											
	13.00	0	T		\top		T		13.000		
Total Hardware Costs	13.00	0							13.000		
Support Costs				T							
Total Support Costs											
				Τ	$\overline{}$		Τ				
TOTAL COSTS	13.00	0							13.000		

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 6 of 6

Exhibit P-40, Budget Item	Justificatio		Date: February 2000								
Appropriation (Treasury) Code/Control Aircraft Procurement Facilities, Item No. 69	P-1 Line Item Nomenclature B-2A ICS										
Program Element for Code B Items: N/A11 Other Related Program Elements:									11127F		
	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)				46.467	42.700	3.000	3.900				96.067
Advance Proc Cost (\$ M)											
Weapon System Cost (\$ M)				46.467	42.700	3.000	3.900				96.067
Initial Spares (\$ M)											
Total Proc Cost (\$ M)				46.467	42.700	3.000	3.900				96.067
Flyaway Unit Cost (\$ M)											1

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

Wpn Sys Unit Cost (\$ M)

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

Exhibit P-5, Weapon System Cost Ana	alysis							Date: Fel	oruary 2000			
Appropriation (Treasury) Code/CC/BA/BSA/Iter				_	_		P-1 Line Item		е			
Aircraft Procurement, Air Forc	e, Budget A	ctivity (07, Aircraft	t Support	Equipm	ent and	B-2A ICS	5				
Facilities, Item No. 69				ı								
Manufacturer's Name/Plant City/State Loca	tion			Subline Item	1							
Weapon System	Ident				Total Co	ost In Million	c of Dollars	re				
Cost Elements	Code		FY 1999		Total Co	FY 2000		FY 2001				
Cost Elements			111)))	Total		1 1 2000	Total		1 1 2001	Total		
		Qty	Unit Cost	Cost	Qty	Unit Cost		Qty	Unit Cost	Cost		
Interim Contractor Support	A						46.467			42.700		
TOTAL PROGRAM												
<u>Comments</u>												
B-2 ICS requirements for FY02 and beyond	are being evaluat	ted and wil	ll be revised as	necessary in	future budg	et cycles unt	il full organic r	naintenance	capability is			
achieved.												
			D 4 0: :	11.41.	- OC							
			P-1 Shoppin	ig List Item N	No. 69			Weapo	n System Cos	-		
									Exhibit P-5, p	page 2 of 2		

Exhibit P-40, Budget Iter	xhibit P-40, Budget Item Justification										Date: February 2000				
Appropriation (Treasury) Code	11 1 (),									P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and								C-5 Post	C-5 Post Prod Support						
Facilities, Item No. 70															
Program Element for Code l	B Items:	N/A	N/A Oth				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		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

P-1 Shopping List Item No. 70

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

Exhibit P-5, Weapon System Cost Analysis Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and							Date: February 2000					
							P-1 Line Item Nomenclature C-5 Post Prod Support					
Facilities, Item No. 70 Manufacturer's Name/Plant City/State Location				Subline Item								
,												
Weapon System	Ident				Total Co	st In Million	s of Dollars					
Cost Elements	Code		FY 1999	FY 2000			FY 2001					
		Qty	Unit Cost	Total Cost	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								
P-1 Shopping List Item No. 70								Weapon System Cost Analysis				
									Exhibit P-5, page 2 of 3			

Evhihit P-43 n 1 Simula	stor and Training Dev	vice Justificati		ASSIFIED			Date: February 20	100		
Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) 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							C-5 Post Prod Support			
Facilities, Item No.	•	agot / toti vic	.y or, moran	t Gapport Eq	aipinoni ana	0 0 1 0011	roa capport			
Weapon System C-5										
Equipment Nomenclatures	: 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		
Procurement	27.715							27.715		
TRAINING SYSTEM DE	SCRIPTION									
This activity funds required		(UTDs) which w	vill enable the Mot	oility Air Forces to	provide C-5 airlift	pilots continuation	n training at squad	ron		
locations to ensure safety of	f flight and to maximize	pilot proficiency	y and utilization of	f their C-5 aircraft.	The C-5 UTD Vis	ual System consis	sts of the latest tech	ınology,		
commercial off-the-shelf im	nage generation system a	and display. Thi	s system will allov	w C-5 pilots to train	n visual takeoff and	l landing approacl	nes and threat avoid	dance.		
			P-1 Shonnin	ng List Item No. 7	n Sir	nulator and Tr	aining Device Ju	etification (\$ M)		
			т т опорры	ig List item 140. 7	o 311	ilulator allu illa	_	, ,		
							EXNIBIT P-43	p.1, page 3 of 3		

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40, Budget Item J	hibit P-40, Budget Item Justification									ruary 2000	Į.	
Appropriation (Treasury) Code/CC/	/BA/BSA/Item	Control Number	er					P-1 Line Item Nomenclature				
Aircraft Procurement,	C-130 Pc	st Prod S	upport	!								
Facilities, Item No. 71												
Program Element for Code B Ite	ems:	N/A	•		Other Relate	ed Program Ele	ements:		PE: 0401115	δ F		
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total	
Proc Qty	A	'			'				1			
Total Proc Cost (\$ M) 1.365 1.361 1.362							1.362	1.367	1.369		6.824	

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

Exhibit P-5, Weapon System Cost Analysis								Date: Feb	ruary 2000	
• • • • • • • • • • • • • • • • • • • •	oriation (Treasury) Code/CC/BA/BSA/Item Control Number raft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment a									
Aircraft Procurement, Air Force, Bi	udget A	ctivity 0	7, Aircraft	Support	Equipm	ent and	C-130 Po	st Prod S	Support	
Facilities, Item No. 71										
Manufacturer's Name/Plant City/State Location				Subline Item	l					
-										
Weapon System	Ident			•	Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	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	A									
(PGSE)										
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										
<u>Comments</u>										
									-	
			P-1 Shoppin	g List Item N	lo. 71			_	n System Cos	_
									Exhibit P-5, p	page 2 of 2

LINCL ASSIFIED

				0.10	,_,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	_						
Exhibit P-40, Budget Item Justification Date: February 2000												
Appropriation (Treasury) Cod	le/CC/BA/BSA/Ite	m Control Numb	per					P-1 Line Ite	m Nomenclatu	re		
Aircraft Procureme	ent, Air Ford	e, Budget	Activity	07, Aircra	aft Suppor	t Equipr	ment and	E-4 Pos	t Prod Su	ipport		
Facilities, Item No.	72	, -										
Program Element for Code	B Items:	N/A			Other Relate	d 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	
Proc Qty	A											
Total Proc Cost (\$ M)					1.463						1.463	
Description The training devices will en	•		•	•	ns incorparated	d. These tra	ining devices	will allow fli	ght 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

Exhibit P-5, Weapon System Cost Analy								Date: Feb	ruary 2000	
Appropriation (Treasury) Code/CC/BA/BSA/Item (Nomenclature						
Aircraft Procurement, Air Force	, Budget A	ctivity ()7, Aircraft	Support	Equipm	ent and	E-4 Post	Prod Sup	port	
Facilities, Item No. 72										
Manufacturer's Name/Plant City/State Location	on			Subline Item	ı					
Weapon System	Ident				Total Co	ost In Million				
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Peculiar Training Equipment	A							1		1.463
Other	A									
SUPPORT COST SUBTOTAL	A							_	<u> </u>	1.463
TOTAL PROGRAM								 	 	1.463
TOTALTROOKAW								┸		1.403
			P-1 Shoppin	g List Item N	No. 72			-	System Cos	-
								ŀ	Exhibit P-5, p	page 2 of 6

Exhibit P-5A, Procurement	Histor	y and Pla	nning		0.10_2				Da	ite: Februa	ry 2000	
Appropriation (Treasury) Code/CC	/BA/BS	A/Item Cont	rol Number					P-1 Lin	e Item Nom	enclature		
Aircraft Procurement,	Air F	orce, B	udget Act	ivity 07,	Aircraft	Support E	Equipment and	E-4 F	Post Pro	d Supp	ort	
Facilities, Item No. 72												
Weapon System					Subline Ite	m						
E-4B		,	_			_			_			
				RFP Issue		Contract			Award	Date of First	Available	Date Revisions
WBS Cost Elements Aircrew Training Device	Qty 1	Unit Cost 1.463	Offutt AFB, NE	Date Dec-00	Method MIPR	Type PO	Contractor and Loca Luke AFB, AZ	ation	Date Jan-01	Oct-01	Now?	Available? Aug-00
Remarks	<u> </u>		1.2							.		
Training simulator will be built	by Det	1, 1ACC T	RSS, Luke A	FB, AZ on a	a project wo	rk oder.						
				P-	1 Shopping	List Item No). 72		Proc	urement F	listory and	l Planning
											-	age 3 of 6

Exhibit P-43 p.1, Simulator	and Training De	evice Justification			Date: February 20	00		
Appropriation (Treasury) Code/C0	C/BA/BSA/Item Contr	rol Number				P-1 Line Item No	omenclature	
Aircraft Procurement,	Air Force, Bu	udget Activity	y 07, Aircraft	Support Equ	uipment and	E-4 Post P	rod Support	
Facilities, Item No. 72			•		•			
Weapon System E-4B								
Equipment Nomenclature: Un	nit Training Devic	e (UTD)						
Fin Plan	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	Total
Proc			1.463					1.463
TRAINING SYSTEM DESC	RIPTION							
Training on the E-4B aircraft (4		y mission require	ments and mandato	ory aircraft mainte	nance. Training de	evices are require	d to augment flight	and
maintenance training. These tra	aining devices will	allow flight crew	and maintenance po	ersonnel to mainta	ain skills during pe	riods of milited a	ircraft availablity.	
			P-1 Shopping	List Item No. 72	2 Sir	nulator and Tra	aining Device Ju	stification (\$ M)
							Exhibit P-43	p.1, page 4 of 6

Exhibit P-43 p.2, Sin	nulator and Tra		Date: February 2000							
Appropriation (Treasury) Aircraft Procure Facilities, Item N	ment, Air Fo		e Item Nomencla Post Prod \$							
Weapon System E-4B										
Equipment Nomencla	ture: Unit Traini									
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY	1999	FY 2	2000	FY 2	2001
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT			_			
AIRCREW			1	1.463						
	NE									
<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

Exhibit P-43 p.3, Simulator		Date: Fe	ebruary 2000							
Appropriation (Treasury) Code/Co Aircraft Procurement, Facilities, Item No. 72	Air Force		Item Nomenclat ost Prod S							
Weapon System E-4B										
Equipment Nomenclature: A	ircrew Traine	rs								
Description:										
FINANCIAL PLAN	FY	1999	FY	2000	FY 2	2001	To Co	omplete	Total C	Costs
FINANCIAL PLAN	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				0.488
Total Support Costs						0.488				0.488
TOTAL COSTS	TOTAL COSTS 1 1.463									1.463

P-1 Shopping List Item No. 72

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 6 of 6

Exhibit P-40, Budget Item	nibit P-40, Budget Item Justification										
Appropriation (Treasury) Code/0	CC/BA/BSA/Item	P-1 Line Item Nomenclature									
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and F									t Prod Su	ipport	
Facilities, Item No. 73											
Program Element for Code B	Items:	27134			Other Relate	d Program El	ements:				
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total
Proc Qty A											
otal Proc Cost (\$ M) 20.714 6.871 7.184 7.267 7.349 7.561						7.787	7.959		72.692		

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

Exhibit P-5, Weapon System Cost Analysis	S							Date: Fel	oruary 2000	
Aircraft Procurement, Air Force, B	Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73									
Manufacturer's Name/Plant City/State Location				Subline Item						
Weapon System	Ident				Total Co	st In Millions	of Dollars			
Cost Elements	Code		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										

P-1 Shopping List Item No. 73

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

Exhibit P-40, Budget Iter	ibit P-40, Budget Item Justification										Date: February 2000				
Appropriation (Treasury) Code/	P-1 Line Item Nomenclature														
Aircraft Procuremer	F-16 Pos	t Prod Su	ıpport												
Facilities, Item No. 7															
Program Element for Code E	Items:	N/A			Other Relate	d Program E	lements:		F-16 Post Pr	oduction Sup	port				
	ID Code	Prior Years	FY 1999	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	To Comp	Total				
Proc Qty	A	0								0	0				
Total Proc Cost (\$ M) 36.634 43.932 25.464 15.500 15.705						13.861	14.340		165.436						

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 ordinance. 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 repre	esenative of items to be procured.	Items procured during	execution may change	based on the most urgent	needs to support the warfighter.
roms nated on the r c are repre	senant of or mems to be procured.	reems provided during	energian may emange	cused on the most digent	needs to support the warrighter.

P-1 Shopping List Item No. 74

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

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	F-16 Post Prod Support
Facilities, Item No. 74	

Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed-Martin Tactical Aircraft Systems/Ft. W	orth, TX									
Weapon System	Ident				Total Cost In Millions of Dollars					
Cost Elements	Code		FY 1999			FY 2000			FY 2001	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	0		0.000	0			0		0.000
Armament	A	0		0.000	0		0.000	0		0.000
Software	A	0		0.000	0		0.000	0		0.000
Engineering Change Orders (ECO)	A	0		0.000	0		0.000	0		0.000
FLYAWAY COST SUBTOTAL	A			0.000			0.000			0.000
Airframe Peculiar Ground Support Equipment	Α	0		0.000	0		0.000	0		0.000
(PGSE)										
Engine PGSE	A	0		0.000	0		0.000	0		0.000
Avionics PGSE	A	0		14.924	0		31.075	0		13.299
Peculiar Training Equipment	A	0		6.368	0		0.875	0		0.974
Publications/Technical Data	A	0		5.373	0		0.000	0		0.000
ECOs	A	0		0.044	0		0.041	0		0.000
Other	A	0		1.584	0		4.006	0		4.748
Distributed Mission Trainer/Exercises	A	0		0.000	0		0.869	0		2.287
ICS	A	0		3.225	0		1.600	0		2.400
ICSE	A	0		5.116	0		5.466	0		1.756
SUPPORT COST SUBTOTAL	A			36.634			43.932			25.464
TOTAL PROGRAM				36.634			43.932			25.464

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

			UNCLA	SSIFIED					
Exhibit P-43 p.1, Simulat	•		n (\$ M)			D:	ate: February 2000)	
Appropriation (Treasury) Code			O7 Airereft	Cuppert Fau	in mant and	P-1 Line Item Nomenclature F-16 Post Prod Support			
Aircraft Procuremer Facilities, Item No. 7	-	aget Activity	U7, Aircraft	Support ⊑qu	ipment and	F-16 POST P	roa 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 DES	SCRIPTION								
nstrument training, air-to-ai The Weapons Tactics Traine The Maintenance Training D	er (WTT) is included in	the UTD numbers	S.						
			P-1 Shopping	List Item No. 74	Sir	nulator and Trai	ning Device Just	ification (\$	
							Exhibit P-43 p.		

Exhibit P-43 p.2, Simu			Date: February 2000							
Appropriation (Treasury) Conference Aircraft Procurem Facilities, Item No.		P-1 Line Item Nomenclature F-16 Post Prod Support								
Weapon System F-16										
Equipment Nomenclatu	re: Unit Train	ing Device (UT	D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 1	999	FY 2	2000	FY 2	2001
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT						
MAINTENANCE						0.000		0.000		0.000
AIRCREW					3	6.368		0.875		0.974
<u>TOTAL</u>					3	6.368		0.875		0.974

P-1 Shopping List Item No. 74

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 4 of 5

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	F-16 Post Prod Support
Facilities, Item No. 74	

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, 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.

27	C	1 2	2	1		'				
FINANCIAL PLAN	FY 1999		FY 2000		FY 2001		To Complete		Total Costs	
I IIVANCIAL I LAN	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
							TBD	TBD	TBD	TBD
TOTAL COSTS	3	6.368		0.875		0.974	0	0.000	0	0.000

P-1 Shopping List Item No. 74

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 5 of 5

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

Exhibit P-40, Budget iter	Exhibit F-40, Budget item Justinication										Date. February 2000			
Appropriation (Treasury) Code,	ppropriation (Treasury) Code/CC/BA/BSA/Item Control Number									P-1 Line Item Nomenclature				
Aircraft Procuremen	ircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment a									dness				
Facilities, Item No. 75														
Program Element for Code I	3 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			
Proc Qty	A													
Total Proc Cost (\$ M)			18.471	24.292	25.352	25.542	25.878	26.654	27.245		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

Exhibit P-5, Weapon System Cost Analysis	3							Date: Fel	oruary 2000		
Aircraft Procurement, Air Force, B	1 1 77							P-1 Line Item Nomenclature Industrial Preparedness			
Manufacturer's Name/Plant City/State Location				Subline Item							
•											
Weapon System	Ident	Ident Total Cost In Million									
Cost Elements	Code		FY 1999			FY 2000			FY 2001		
		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	A										
(PGSE)											
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	
<u>Comments</u>											
			P-1 Shopping	g List Item N	lo. 75			Weapo	n System Cos	st Analysis	

Exhibit P-5, page 2 of 2

FY 01 AMENDED BUDGET REQUEST BP 17 – WAR CONSUMABLES FEBRUARY 2000

THIS PAGE INTENTIONALLY LEFT BLANK

ONOLAGON ILD											
BUDGET ITEM JUS	TIFICATION (EXHIBIT P-40)				DATE:	FEBRUARY 2	2000			
APPROP CODE/BA	:			P-1 NOMENCLATURE:							
APAF/WAR CONSUMA	BLES			ITEMS LES	S THAN \$5,000,00	0					
		FY1999	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005			
QUANTITY											
COST (in Thousands)		\$74,563	\$112,272	\$43,015	\$58,582	\$97,751	\$114,995	\$117,542			
 This program prove Tanks, Racks, Adapted Decoys (FOTD). The systems. Funding for the Adapted Appropriation Confered Funding for the Adapted Appropriation Confered Items to be procured execution may change 	rs, Pylons (TRA) se items support dvanced Airborn ence Report 106 AED in FY00 was ency Operations and with FY99-01	P), Missile Rail La War Reserve Mat the Expendable Dec 143, Emergency as added through the Transfer Fund.	aunchers, Radio eriel (WRM) re coy (AAED) in I Supplemental A ne FY99 Emerg	Frequency (Requirements and FY99 includes Appropriations ency Supplements 40A followed	F) (expendable) Td fleet inventory of \$40 million provious Bill, dated May 14 ental Appropriation by individual jus	owed Decoy bjectives acr ded by Cong 4, 1999. ns and transf tifications. I	rs, and Fiber Op ross multiple we gress in the FY9 ferred to the Air	tic Towed eapon 9 Force from			
		P-1 ITEM NO: 75			PAGE NO: 7- 67		Page	1 of 1			

BUDGET ITEM JUSTIFICATION	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		FY1	999	FY2	000	FY2	FY2001			
	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST		
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	А			2,455	\$65,564	5,132	\$103,870	1,512	\$32,264		
I/L THAN \$5 MILLION	А				\$8,999		\$8,402		\$10,751		
Totals:					\$74,563		\$112,272		\$43,015		
	P-1 ITEM I 75	NO:		PAGE N 7 - 68				Page 1	of 1		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2000 P-1 NOMENCLATURE: APPROP CODE/BA: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED) APAF/WAR CONSUMABLES 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:** 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. 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. 3. The Advanced Airborne Expendable Decoy (AAED) is part of the ALE-50 Radio Frequency (RF) Towed Decoy System integrated onto both

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).

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-1 ITEM NO: 75	PAGE NO: 7 - 69	Page 1 of 2
------------------------	------------------------	-------------

		<u> </u>		•		
BUDGET ITEM JUSTIFICATION (I	EXHIBIT P-40)				DATE: FEBRU	JARY 2000
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/WAR CONSUMABLES			ADVANCED	AIRBORNE EXPEN	NDABLE DECOY (A	AED)
Description (cont.): soon as possible. 5. The AAEDs currently programmed Integrated Defensive Electronic Count additional AAEDs will be procured to will impact both F-16 and B1-B deploy	ermeasures (IDEC) support this interin	M) Fiber Optic T	Towed Decoy	(FOTD) system en	ters production in	FY02. No
	T	T			T	1
	P-1 ITEM NO:			PAGE NO:		Page 2 of 2

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)	DATE:	FEBRUARY 2000
APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	

	IDENT					FY1999			FY2000		FY2001			
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
DECOY (1) (3)	Α				1,142	21,217	24,230	5,132	20,117	103,240	1,512	21,055	31,835	
DECOY (2)	Α				1,313	21,576	28,329			0			0	
CONTAINERS (2) (4)	Α				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).

P-1 ITEM NO: 75	PAGE NO: 7 - 71	Page 1 of 1

					-								
BUDGET PROCUREMEN	T HIST	ORY PL	ANNING (EXHIBI	Г Р- 5А)		DATE: FE	BRUAF	RY 200	0				
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCL ADVANCED AIRBO		TURE: NE 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	Υ					
1999. (3) Funding added through the F Operations Transfer Fund.	Y99 Eme	ergency S	Supplemental Appropria	ations and transferre	d to the Air Force from the O	verseas Conting	ency						
	P-1	ITEM N	O:	PAGE NO	:		Page	e 1 of	1				

PRESIDENT'S BUDGET PRODUCTION SCHEDULE (EXHIBIT P- 21) DATE: FEBRUARY 2000																													
APPROP CODE/BA APAF/WAR CONSUMA	A :					<u></u>			P-1	I NC /ANC	OM						1DA	BLE	DE									<u> </u>	
ITEM/MANUFACTURER/	SERV.	PROC.	ACCEP.	BAL		1998						CA	TEND	OAR 19	199									ENDAR	2000	-			
PROCUREMENT YEAR	SER V.		PRIOR TO	DUE AS						FY19													2000						1 '
		~		OF1 OCT.	OCT I	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
AAED																													
FY 1999 (1)	AF	2695		2695						С		\square'	25	100	50	24	283	270	170	270	190	0	0	134	150	160	158	200	511
FY 2000	AF	5132		5132			\Box'		\Box'			⊡'	\square'		匚				С				匚				100	100	4932
FY 2001	AF	1512	<u> </u>	1512		لـــــا	<u> </u>	لا	<u> </u>	لــــــــــــــــــــــــــــــــــــــ	لــــــــــــــــــــــــــــــــــــــ	<u> </u>	<u>آ</u> ــــــــــــــــــــــــــــــــــــ	<u> </u>	$oxed{oxed}$	<u> </u>				<u> </u>			$oxed{oxed}$	$oxed{oxed}'$		<u> </u>	<u> </u>	<u> </u>	1512
			 '			<u> </u>	∟'	igsquare	∟'	ш	<u> </u>	—'	∟_′	Ш'	Щ.	⊥'	<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>		Щ.	↓ '	<u> </u>	Ш'	<u></u> —'	<u> </u>	'
FY 1999	N	410	'	410	Щ	$oldsymbol{\sqcup}$	<u></u> '	ш	<u></u> '	ш	igsqcup	ш'	Ш′	—'	Щ.	<u> </u>	7	30	30	30	30	50	35	66	50	40	42	Ш	<u>'</u>
FY 2000	N	196	└	196	Щ	igsquare	₩'	ш	₩'	ш	Ш	₩'	— ′	—'	Щ.	↓ '	<u> </u>	<u> </u>	<u> </u>	<u> </u>	╙		Щ.	<u></u>	<u> </u>	<u> </u>	<u></u> —′	Щ.	196
FY 2001	N	45	└	45	Щ	igspace	└	igspace	└	ш	igspace	└	—′	—'	Щ.	↓ ′	<u> </u>	$ldsymbol{f eta}$	<u> </u>	igsqcup	╙	<u> </u>	Щ.	↓ '	<u> </u>	Щ'	Щ'	╨	45
		igsquare	 '	 	Щ	ш	₩'	igspace	₩'	Ш	ш	—′	—′	—'	Щ.	—'	ᆫ	Ļ	Ļ_	<u> </u>	Ш	<u> </u>	Щ.	—'	<u> </u>	—'	↓ ′	ш	<u> </u>
	 	igwdow	 '	<u> </u>	$\downarrow \downarrow \downarrow$	igspace	igspace	igspace	igspace	\coprod	igspace	igspace	—′	—'	—	↓ ′	ـــــ	—	Ļ—	igspace	╙	<u> </u>	—	↓ —'	<u> </u>	—'	↓ ′	igspace	—— ′
TOTALS	 	9990	 '	9990	لبل	ليب	ш	$oldsymbol{\sqcup}$	ш	ш		ليب		100		24	290	300	200	300	220	50		200			300	300	7196
ITEM/MANUFACTURER/	SERV.	PROC.	ACCEP.	BAL	2000 EAL				CALENDAR 2001						CALENDAR 2002				4 '										
PROCUREMENT YEAR	00		PRIOR TO			•				FY20						·	<u> </u>						2002				•		1 '
	<u> </u>		1 OCT.	OF 1 OCT.	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
AAED	<u></u>		<u> </u>		Ш	لــــــــــــــــــــــــــــــــــــــ	<u> </u>	لــــــا	<u> </u>	لــــــــــــــــــــــــــــــــــــــ	لــــــا	'ـــــــــــــــــــــــــــــــــــــ	<u>آ</u> ــــــــــــــــــــــــــــــــــــ	Ĺ_'	$oxed{oxed}$	<u> </u>				<u> </u>			$oxed{oxed}$	$oxed{oxed}'$		'	Ĺ_′	<u>'</u>	Ĺ'
FY 1999 (1)	AF	2695	2184	511	190	145	95	81	<u></u>	ш		<u>—'</u>	Ш'	Ш'	Ш	<u> </u>				<u> </u>		<u> </u>	Ш	<u> </u>	<u> </u>	<u> </u>	Ш′	<u></u> '	
FY 2000	AF	5132	200	4932	96	155	105	219	278	279	279	279	279	279	279	281	271	300	300	229	264	264	264	232	<u> </u>	<u> </u>	Ш′	<u></u> '	
FY 2001	AF	1512	0	1512	Щ	$oldsymbol{\sqcup}$	С	ш	<u></u> '	ш	igsqcup	ш'	Ш′	—'	Щ.	<u> </u>	<u> </u>	<u> </u>		<u> </u>	7	14	13	68	185	185	185	185	670
	<u> </u>		└	<u> </u>	Щ	igspace	└	igspace	└	ш	igspace	└	—′	—'	Щ.	↓ ′	<u> </u>	$ldsymbol{f eta}$	<u> </u>	igsqcup	╙	<u> </u>	Щ.	↓ '	<u> </u>	Щ'	Щ'	╨	Щ.
FY 1999	N	410	410	0	Щ	╙	└	igspace	└	ш	Ш	└	—′	—'	Щ.	↓ ′	ᆫ	<u> </u>	<u> </u>	igsqcup	igsqcup	<u> </u>	Щ.	↓ '	Щ'	—'	└ ─'	╨	<u> </u>
FY 2000	N	196	0	196	Щ	ш	ightharpoonup	igspace	22	21	21	21	21	21	21	19	29	<u>↓</u>	Ь	<u> </u>	Щ	<u> </u>	ــــــ	—'	——'	—'	<u>↓</u> ′	igspace	Щ
FY 2001	N	45	0	45	igspace	ш	Ш'	igspace	Ш'	\square	igspace	<u></u> '	—′	—'	—	↓ '	—	Ļ	<u> </u>	<u> </u>	<u> </u>	22	23	↓ '	——'	—'	—′	igspace	<u> </u>
	 	↓	 '	<u> </u>	Щ	ш	igspace	igspace	igspace	\square	ш	igspace	—′	—'	ــــــ	↓ '	ـــــ	Ļ—	Ļ—	igspace	╙	<u> </u>	ــــــ	↓ —'	<u> </u>	↓ '	↓ ′	igspace	—
		<u> </u>	<u> </u>		1	ليب	ليبا	ليب	ليبا		ليب	ليبا	<u> </u>	<u> </u>	 	 '	<u> </u>	<u> </u>	<u> </u>	 	ليبا	<u> </u>	 	 '	<u> </u>	<u> </u>	<u> </u>	ليبا	
TOTALS	<u> </u>	9990	2794	7196	286	300	200	300	300	300	300	300	300	300	300	300	300	300	300				•				185	185	670
MANUFACTURER'S			RODUCTIO			+					+				\dashv							EME		EAD					
NAME AND LOCATIO	<u>N</u>	MIN SUS	ST 1-8-	5 M	AX	\bot					+				\dashv		A	<u>IMD.</u>	<u> </u>	AD TII					NUFA	<u>CT.</u>		TOTA	
E-SYSTEMS, GOLETA, CA		<u> </u>	60		300	\bot					\rightarrow				F	PRIOF	<u>R TO</u>	100		AFT	TER 1	OCT	Γ		PLT	'	—	1 OC	
		<u> </u>				\bot					\perp		INITIA		\dashv				0				\dashv			'	Щ.		0
						丄					\perp	RE	EORD)ER					0				2			14	Щ		16
REMARKS: (1) Additional 240 decoy	ys are i	ncluded	in FY99 c	leliveries	due t	to pa	ayba	ıck f	rom	the I	Nav	y an	d ac	cele	∍ratio	on a	ctior	ns in	sup	port	of C)per	atio	n N o	ble .	Anvi	il.		
		P-1	1 ITEM N 75	10:							AGE 7 - 7	E NC 73	D :											F	age ²	e 1 d	of 1	-	

0110E/100H 1EB													
BUDGET ITEM JUS	TIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 200								
APPROP CODE/BA	:			P-1 NOMENCLATURE:									
APAF/WAR CONSUMAI	BLES			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: 1. The "Items Less that fuel tanks and fuel tanks requirements ensure control of the control of t	k upgrade kits. ontinuation of se annual procurementative of items	ne includes comm These items are ap erviceable, support ent value of less that to be procured. Ite	odities such as plicable acros able equipmentant \$5 million	s launchers, tan s multiple wear nt over the life o and are code A	k storage/shippin oon systems. The of a weapon syste . Items requested	g containers, ¡ se initial/repla m. l in FY01are i	oylon nuclear u acement War C dentified on the	pgrade kits, onsumables e following					
		P-1 ITEM NO:			PAGE NO:								
		75			7 - 74		Page	1 of 1					

BUDGET ITEM JUSTIFICATI	ON FOR AGG	REGATED IT	EMS (EXHIBIT P	40A-IL)			DATE: FEBRUARY 2000			
APPROP CODE/BA: APAF/WAR CONSUMABLES			P-1 NOMENO	LATURE: N \$5,000,000						
								F	FY2001	
PROCUREMENT ITEMS			NSN	QTY	<i>1</i> .	COST	· QTY.		COST	
LAU-128A/A LAUNCHER								135	\$2,286	
600 GAL FUEL TANK SLOTTED ANGLE S'CONTAINERS (F-15)	TORAGE/SHIPPING							547	\$681	
LAU-118A(V)4/A WITH AIRCRAFT LAUNC COMPUTER	HER INTERFACE							16	\$1,242	
LAU-88A/A TRIPLE RAIL LAUNCHERS								659	\$2,300	
SUU-59C/A PYLONS (NUCLEAR UPGRAD	PE)							43	\$1,335	
600 GAL FUEL TANK (F-16)								9	\$951	
650 GAL CRASHWORTHY FUEL TANK AS	SSEMBLY (MH-53)							9	\$195	
370 GAL NESTED TANK RELAY KIT (F-16)							7834	\$1,371	
300 GAL CENTER LINE TANK FLOAT SWI	TCH KIT (F-16)							487	\$390	
TOTALS:									\$10,751	
	P-1 ITEM NO: 75		PAGE N 0 7 - 75	D:				<u> </u>	1 of 1	

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

							DATE		
		BUDGET ITE	M JUSTIFICATIO	ON SHEET			Jan-2000		
PPROPRIATION/E	BUDGET ACTIVIT	Y ITEM NO	. 77		P-1 NOMENCLA	TURE			
IRCRAFT PROCU	REMENT, AF/ BA	07 AIRCRAFT SU	MISC	ELLANEOUS PF	ODUCTION CHA	RGES			
		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	

P-1 Shopping List

THIS PAGE INTENTIONALLY LEFT BLANK

Exhibit P-40a, Budget Item Justification for Aggregated Items				Date:	February 2000
A					
Appropriation/Budget Activity					
Procurement Items	FY1999	FY2000	FY2001		
	(\$000)	(\$000)	(\$000)		
C-130J	0	859	0		
C-5 Airlift Squadrons	1,363		1,370		
Classified/IntelligencePrograms	80,505	132,735			
Combat Training Range Equipment	413	16,847	18,108		
Elec Warefare Integrated Program	5,660	1,871	0		
F-22	2,866	5,949	7,455		
Flight Screening	0	0	101		
Jugement 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		

THIS PAGE INTENTIONALLY LEFT BLANK

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:

TROJECTED FINANCIAL I LAIV.	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
	0	859	0
TOTAL COST	0	859	0

UNCLASSIFIED PAGE 7 - 81

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

TOTAL COST

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>FY01</u>

BASIS FOR COST ESTIMATE:

1,363

1,337

1,370

1,363

1,337

1,370

DATE: Feb 00 P-1900

FY 2001PRESIDENT'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.

BASIS FOR COST ESTIMATE	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</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

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 (LATR/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

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

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.

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
	5,660	1,871	0
TOTAL COST	5,660	1,871	0

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>FY01</u>
BASIS FOR COST ESTIMATE:			
Assessment of Contractor Data	2,866	5,949	7,455
TOTAL COST	2,866	5,949	7,455

.

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>FY01</u>
BASIS FOR COST ESTIMATE:			
	0	0	101
TOTAL COST	0	0	101

UNCLASSIFIED

PAGE 7 - 87

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.

TROJECTED THANKINE TEAM.	FY 99	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
PROGRAM COST	0	25,000	25,000
TOTAL COST	0	25,000	25,000

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.

PR C	DJECTED	FINAN	JCIAI	$PI \Delta N$
11/	DECTED.	THE NAME OF		I LAN.

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
	1,447	1,407	1,375
TOTAL COST	1,447	1,407	1,375

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.

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
	9,955	0	13,653
TOTAL COST	9,955	0	13,653

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>FY01</u>
BASIS FOR COST ESTIMATE:			
NATO AWACS - Near/Mid Term	110,296	70,465	82,038
TOTAL COST	110,296	70,465	82,038

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, CT/T-43, UH-IN

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:	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
Non-recurring/Integration	35,295	35,320	39,290
TOTAL COST	35,295	35,320	39,290

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.

	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
BASIS FOR COST ESTIMATE:			
PROGRAM COST	1,862	3,034	2,945
TOTAL COST	1,862	3,034	2,945

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 ATP's 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>FY01</u>
BASIS FOR COST ESTIMATE:			
	0	75,991	34,921
TOTAL COST	0	75,991	34,921

							DATE	
		BUDGET ITE	M JUSTIFICATIO	N SHEET			Feb-	2000
APPROPRIATION/BU	UDGET ACTIVIT	Y ITEM NO.	78		P-1 NOMENCLA	TURE		
AIRCRAFT PROCUREMENT, AF/ BA 07 AIRCRAFT SUPPORT EQ & FACILITIES				COMMON ELEC COUNTERMEASURES EQUIPMENT				
		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

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-1 Shopping List

DATE: Feb 00 P-1900

FY 2001 PRESIDENT'S BUDGET SUBMISSION COMMON ELECECTRONICS 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 USAFE 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:

BASISTOR COST ESTIMATE.	<u>FY 99</u>	<u>FY 00</u>	<u>FY01</u>
ALQ-184/ALQ-131	11,701	11,663	4,836
TOTAL COST	11,701	11,663	4,836

						DATE	
BUDGET ITEM JUSTIFICATION SHEET						Feb-	-2000
APPROPRIATION/BUDGET ACTIVITY ITEM NO. 80 AIRCRAFT PROCUREMENT, AF/ BA 07 AIRCRAFT SUPPORT EQ & FACILITIES			P-1 NOMENCLATURE				
			MANNED RECONNAISSANCE SYSTEMS (DARP)				
	FY99	FY00	FY01	FY02	FY03	FY04	FY05
QUANTITY							
COST							
(in thousands)	139,975	127,971	98,410	114,283	105,745	92,624	92,570

P-1 Shopping List

UNCLASSIFIED

PAGE 7 - 97

DATE: Feb 00 P-1900

FY 2001 PRESIDENT'S BUDGET ESTIMATES MICELLANEOUS 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 FY01

BASIS FOR COST ESTIMATE:

PROGRAM COST 139,975 127,971 98,410

TOTAL COST