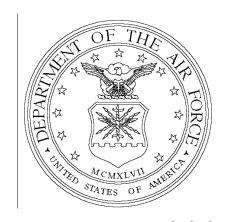
UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book FY 2003 Budget Estimates



February 2002

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

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FY 2003 BUDGET ESTIMATES

FEBRUARY 2002

SECTION 1:

APPROPRIATION LANGUAGE

1 UNCLASSIFIED

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2 UNCLASSIFIED

AIRCRAFT PROCUREMENT AIR FORCE

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment and training devices, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the 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, \$12,067,405,000, to remain available for obligation until September 30, 2005.

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FY 2002 BUDGET ESTIMATES

FEBRUARY 2002

SECTION 2:

GLOSSARY/ORGANIZATIONS/TERMS

5 UNCLASSIFIED

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6 UNCLASSIFIED

GLOSSARY OF ACRONYMS

ACTD - Advanced Concept Technology Demonstration

AGM - Air-to-Ground Missile

AIM - Air Intercept Missile

AIS - Avionics Intermediate Shop

ACMI - Aircraft Combat Maneuvering Instrumentation

AMRAAM - Advanced Medium-Range Air-to-Air Missile

AUTODIN - Automated Digital Network

AWACS - Airborne Warning and Control System

BLSS - Base Level Self-Sufficiency Spares

BY - Budget Year

C3 - Command, Control, and Communication System

CFE - Contractor 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 in advance of the fiscal year the end item is authorized

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

FY 2003 BUDGET ESTIMATES

FEBRUARY 2002

SECTION 3:

3010F AIRCRAFT, EXHIBIT P-1

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DEPARTMENT OF THE AIR FORCE

FY 2003 PROCUREMENT PROGRAM

SUMMARY (\$ IN MILLIONS)

29 JAN 2002

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE					
ACTIVITY	FY 2001	FY 2002	FY 2003		
01. COMBAT AIRCRAFT	3,003.9	3,037.3	4,621.1		
02. AIRLIFT AIRCRAFT	3,168.3	3,812.1	3,893.1		
03. TRAINER AIRCRAFT	134.0	223.9	211.8		
04. OTHER AIRCRAFT	549.2	584.8	541.4		
05. MODIFICATION OF INSERVICE AIRCRAFT	1,978.5	1,767.4	1,776.6		
06. AIRCRAFT SPARES AND REPAIR PARTS	344.0	295.1	276.0		
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	742.5	772.9	747.4		
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	9,920.3	10,493.6	12,067.4		

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 29 JAN 2002

					_
L	FY	2002	FY	2003	E.
					S

MILLIONS OF DOLLARS

NO ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	2001 COST	FY 2002 QUANTITY COST	FY 2003 QUANTITY COST	S E C
BUDGET ACTIVITY 01: COMBAT AIR	CRAFT					
TACTICAL FORCES						
1 F-22 RAPTOR LESS: ADVANCE PROCUREMENT (A PY)			13 (3,842.9) (-1,073.4)		
				2,769.6		
2 F-22 RAPTOR ADVANCE PROCUREMENT (CY) (FY 2001 FOR FY 2002) (MEMO (FY 2002 FOR FY 2003) (MEMO (FY 2003 FOR FY 2004) (MEMO))		1,070.7 (1,070.7)	267.8 (267.8)	530.6 (530.6)	Ü
3 F-15A LESS: ADVANCE PROCUREMENT (A (PY)	5	(380.7) (-24.6)		(00010)	U U
			356.2			
4 F-16A (MYP) LESS: ADVANCE PROCUREMENT	A (PY)	4	(135.3) (-24.1)			U U
			111.2			
TOTAL COMBAT AIRCRAFT			3,003.9	3,037.3	4,621.1	

DEPARTMENT OF THE AIR FORCE

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 29 JAN 2002

MILLION	SOF	DOT.T	DAG.

				•	1111110110	OI DOUBLE	5		_
NO	ITEM NOMENCLATURE		FY QUANTITY		FY QUANTITY		FY 2003 QUANTITY C	OST	S E C
BUDGET AC	TIVITY 02: AIRLIFT AIRCRAFT								
TACTICAL	AIRLIFT								
5 C-17A LESS:	(MYP) ADVANCE PROCUREMENT (PY)	В	12	(2,919.7) (-303.3)		(3,056.7) (-257.2)	12 (3,06 (-37	1.0)	
				2,616.4		2,799.5	2,69		
	CE PROCUREMENT (CY)			257.2		371.0	39	1.9	ŭ
(FY 2001 FOR FY 2002) (MEMO) (FY 2002 FOR FY 2003) (MEMO) (FY 2003 FOR FY 2004) (MEMO) (FY 2003 FOR FY 2005) (MEMO) (FY 2003 FOR FY 2006) (MEMO) (FY 2003 FOR FY 2007) (MEMO) (FY 2003 FOR FY 2008) (MEMO)	002 FOR FY 2003) (MEMO) 003 FOR FY 2004) (MEMO) 003 FOR FY 2005) (MEMO) 003 FOR FY 2006) (MEMO) 003 FOR FY 2007) (MEMO)			(257.2)		(371.0)	(6 (8 (2	4.8) 0.5) 8.3) 5.1) 3.2)	
7 C-17	ICS	В				481.8	61	2.5	U
OTHER AI	RLIFT								
8 EC-13	0Ј	A		89.2					U
9 C-130	н	A					1	8.7	U
10 C-130	J	A	2	205.4	2	159.9		5.9	U
TOTAL AIR	LIFT AIRCRAFT			3,168.3		3,812.1	3,89		
	TIVITY 03: TRAINER AIRCRAFT								
OPERATIO	NAL TRAINERS								
11 JPATS		A	34	134.0	40	223.9	35 21	1.8	U
TOTAL TRA	INER AIRCRAFT			134.0		223.9	21	1.8	

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 29 JAN 2002

		MILLIONS OF DOLLARS								
	ITEM NOMENCLATURE	CODE	FY QUANTITY	COST	QUANTITY	COST	FY QUANTITY	2003 COST		
BUDGET ACTIVITY	7 04: OTHER AIRCRAFT								-	
HELICOPTERS										
12 V-22 OSPREY LESS: ADVAN	Y ICE PROCUREMENT (PY)	A		(42.5) (-19.7)		(22.7) (-22.7)		(90.9)	U	
				22.8				90.9		
(FY 2001 FC	CUREMENT (CY) DR FY 2002) (MEMO) DR FY 2004) (MEMO)			22.7				10.1	•	
MISSION SUPPOR	RT AIRCRAFT							(10.1)		
14 C-32B FEST/	DEST AIRCRAFT	А			1	72.5			บ	
15 CIVIL AIR E	PATROL A/C	А	50	6.3			27	2 6	-	
16 OPERATIONAL	SUPPORT AIRCRAFT	А	1	69.2			27	2.0	U	
OTHER AIRCRAFT	•								U	
17 TARGET DRON	IES	A		22.9		34.8		30.6	U	
18 C-40 ANG		A	1	67.5					U	
19 E-8C LESS: ADVAN	CE PROCUREMENT (PY)	Α		(276.7) (-36.0)	1	(-46.1)	1	(327.3) (-48.0)	U	
				240.7		269.8		279.3		
(FY 2001 FC	CUREMENT (CY) R FY 2002) (MEMO)			46.1 (46.1)		48.0			Ū	
(FY 2002 FC	R FY 2003) (MEMO)			, ,		(48.0)				

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: 29 JAN 2002

		MILLIONS OF DOLLARS							
LINE NO	ITEM NOMENCLATURE	CODE	FY QUANTITY	COST	QUANTITY	COST	FY QUANTITY	2003 COST	,
	AEUAV ESS: ADVANCE PROCUREMENT (PY)	A			2	(104.1) (-21.0)		(97.4 (-33.5)
						83.1		63.9	
A (AEUAV DVANCE PROCUREMENT (CY) FY 2001 FOR FY 2002) (MEMO) FY 2002 FOR FY 2003) (MEMO)			21.0 (21.0)		33.5		41.0	
(FY 2003 FOR FY 2004) (MEMO)					(33.5)		(41.0)
23 P	REDATOR UAV	A	7	30.0	6	35.8	7	23.1	
LATO	OTHER AIRCRAFT			549.2		584.8		541.4	
	T ACTIVITY 05: MODIFICATION OF INS	SERVICE A	AIRCRAFT						
24 B	-2A	А		23.6		23.5		72.1	
25 B	-1в	A		48.3		36.8		98.0	
26 B	-52	А		42.6		17.7			
27 F	-117	Α		30.0		27.1		21 1	
TACT	ICAL AIRCRAFT					27.1		21.1	
28 A	-10	A		38.6		20.7		21.8	
29 F	-15	A		305.2		241.6		232.5	
30 F	-16	A		299.8		232.4		265.0	
31 F	22 RAPTOR					202.1			
32 T	/AT-37	А		.1		.1		11.2	
AIRL	IFT AIRCRAFT					• 1		.1	
33 C	-5	А		66.7		32.1		96.0	
34 C	-9	A		1.7				86.0	
				*• '		. 6		1.3	

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UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: 29 JAN 2002

		MILLIONS OF DOLLARS								
LINE NO	ITEM NOMENCLATURE	IDENT CODE		FY 2002 QUANTITY COST	FY 2003 QUANTITY COST	S E C				
35 C-17	A	А	81.3	110.1	128.2	U				
36 C-21		A	1.8	2.6	2.6	U				
37 C-32	A.	А	15.2	40.4	26.7	U				
38 C-37	A	A	. 4	. 4	. 4	U				
39 C-14	1	A	.7	.8	.8	υ				
TRAINER	AIRCRAFT									
40 T-38		A	119.4	154.6	168.1	U				
41 T-41	AIRCRAFT	A	.1	.1	.1	ŭ				
42 T-43		A	4.9	3.7	2.2	U				
OTHER A	IRCRAFT									
43 KC-1	OA (ATCA)	А	36.4	30.6	14.2	U				
44 C-12	:	A	1.4	. 4	. 4	Ų				
45 C-18	1	Α	.3	.8	.8	U				
46 C-20	MODS	A	5.2	.6	.8	U				
47 VC-2	5A MOD	A	1.4	13.9	12.2	U				
48 C-13	0	A	90.7	88.5	138.5	U				
49 C-13	5	А	317.9	171.6	108.7	U				
50 DARP	•	А	159.5	180.8	150.1	U				
51 E-3		A	117.6	90.7	29.5	U				
52 E-4		A	32.3	44.6	39.1	U				
53 E-8		А	33.9	66.5	19.3	U				
54 H-1		А	.6	.3	.5	U				
55 H-60		А	22.3	26.0	40.6	Ū				

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UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 29 JAN 2002

		MILLIONS OF DOLLARS									
LINE NO	ITEM NOMENCLATURE		FY QUANTITY		FY 2 QUANTITY	COST	FY QUANTITY	2003 COST	S E C		
56 OTHE	R AIRCRAFT	А		33.9		49.9		54.7	U		
57 PRED	ATOR MODS	Α				15.2		10.5	U		
OTHER M	ODIFICATIONS										
58 CLAS	SIFIED PROJECTS	Α		44.7		41.6		18.5	U		
TOTAL MO	DIFICATION OF INSERVICE AIRCRAFT			1,978.5		,767.4		1,776.6			
BUDGET A	CTIVITY 06: AIRCRAFT SPARES AND	REPAIR	PARTS								
AIRCRAF	T SPARES + REPAIR PARTS										
59 INDU	STRIAL FACILITIES	Α		344.0		295.1		276.0	U		
TOTAL AI	RCRAFT SPARES AND REPAIR PARTS			344.0		295.1		276.0			
BUDGET A	CTIVITY 07: AIRCRAFT SUPPORT EQ	UIPMENT	AND FACI	LITIES							
COMMON	SUPPORT EQUIPMENT										
60 COMM	ON SUPPORT EQUIPMENT	A		167.3		207.2		180.9	U		
POST PR	ODUCTION SUPPORT										
61 A-10		Α		2.2					U		
62 B-1		В		16.5		6.4		2.0	U		
63 B-2A		Α		17.5		11.6		3.3	U		
64 B-2A		A		40.4		37.6		33.5	Ü		
65 C-13	0	Α		7.0		1.3		10.9	U		
66 E-4		A		1.4					U		
67 F-15	POST PRODUCTION SUPPORT	A		6.8		7.3		7.5	ט		
68 F-16	POST PRODUCTION SUPPORT	A		26.3		14.3		14.2	Ū		

DEPARTMENT OF THE AIR FORCE FY 2003 PROCUREMENT PROGRAM

FY 2003 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

MILLIONS OF DOLLARS

DATE: 29 JAN 2002

	MIDDIONS OF BOLLARS							
LINE NO ITEM NOMENCLATURE	IDENT CODE	FY QUANTITY	2001 COST	QUANTITY		FY QUANTITY	2003 COST	S E C
INDUSTRIAL PREPAREDNESS								-
69 INDUSTRIAL PREPAREDNESS	А		25.1		25.2		22.2	U
WAR CONSUMABLES								
70 WAR CONSUMABLES	A		58.7		47.5		38.4	Ü
OTHER PRODUCTION CHARGES								
71 MISC PRODUCTION CHARGES	A		362.5		323.3		349.5	Ü
COMMON ECM EQUIPMENT								
72 COMMON ECM EQUIPMENT	A		4.8		1.2		1.2	U
OTHER PRODUCTION CHARGES - SOF								
73 CANCELLED ACCOUNT PY ADJUSTMENTS	A		.1					U
DARP								
74 DARP	A		6.0		90.0		83.8	U
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FAC	CILITIES		742.5		772.9		747.4	
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE			9,920.3	1	0,493.6	1	2,067.4	

FY 2002 BUDGET ESTIMATES

FEBRUARY 2002

SECTION 4:

P-1 LINE ITEM DETAIL

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FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 01 – COMBAT AIRCRAFT FEBRUARY 2002

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Exhibit P-40, Budget Item	n Justifica	tion							[Date: February 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	ber					P-1	Line Item Nor	menclature	
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 01, Co	mbat Air	craft, Ite	m No. 01	F-	22 (Rapto	or)	
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		PE27219F		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	2	10	13	23	27	32	40	56	130	333
Cost (\$ M)		573.896	1465.772	2769.553	4084.036	3997.275	3844.059	3975.580	5087.835	10952.410	36750.416
Advance Proc Cost (\$ M)		554.181	1070.722	267.759	530.634	567.913	848.539	679.050	598.945	724.336	5842.079
Weapon System Cost (\$ M)		1128.077	2536.494	3037.312	4614.670	4565.188	4692.598	4654.630	5686.780	11676.746	42592.495
Initial Spares (\$ M)		24.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.937
Total Proc Cost (\$ M)		1153.014	2536.494	3037.312	4614.670	4565.188	4692.598	4654.630	5686.780	11676.746	42617.432
Flyaway Unit Cost (\$ M)		317.396	141.532	213.530	162.836	142.242	114.493	97.795	88.775	82.750	107.439
Wpn Sys Unit Cost (\$ M)		385.548	253.649	233.639	200.638	169.081	146.644	116.366	101.550	89.821	127.905

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 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 capable of supersonic cruise without the use of afterburner.

The LRIP DAB decision in Aug 01 approved production of at least 297 aircraft (does not include 6 PRTV II aircraft purchased with RDT&E funds), allowing for more aircraft to be purchased each year if affordable, with an objective of 333 total aircraft.

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 part of an overall support material capability. This support material capability is a flexible and responsive performance-based approach to provide the right part at the right place at the right time to support the flying hour program. The Air Force closely scrutinizes the contractor's plan for providing support as a capability during the proposal phase. However, after contract award the contractor is required to provide the required capability and not simply a list of spares. This approach allows the contractor, as the F-22 Inventory Control Point, to optimize the use of spares and quick-turn repair arrangements as the weapon system matures and actual trend data is acted upon.

The FY01 Flyaway Unit Cost does not include \$667M of Lot 1 'Bridge Funding' that was released as Lot 1 Advance Procurement. The Flyway Unit Cost, including the Lot 1 'Bridge Funding' would be \$208.231M.

Per Congressional direction, beginning in FY02 Diminishing Manufacturing Sources(DMS) funding has shifted from Advanced Procurement Cost to the Cost line.

FY 2003 Program Justification

Procure 23 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 FY04 buy.

P-1 Shopping List Item No. 01

Budget Item Justification Exhibit P-40, page 1 of 15

Exhibit P-5, Weapon System Cost Analysis Date: February 2002 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01 F-22 (Raptor) Subline Item Manufacturer's Name/Plant City/State Location Weapon System Total Cost In Millions of Dollars Ident Cost Elements Code FY 2001 FY 2002 FY 2003 Total Total Total Unit Cost Cost Unit Cost Cost Unit Cost Cost Qty Oty Qty Airframes/CFE 10 123.458 1234.581 13 107.908 1402.804 88.834 2043.188 Α Engine/Accessories (shipset) 10 208.806 285.181 23 476.637 20.881 13 21.937 20.723 Α 525.202 10 42.166 421.657 13 40.400 28.484 655.127 Avionics Α Nonrecurring Costs Α 217.630 562.702 570.279 Less: Flyaway Lot 1 Bridge Funding -667.356 Α 1415.318 FLYAWAY COST SUBTOTAL Α 2775.889 3745.231 Less: Prior Year Adv Procurement -278.761 -396.222 -267.759 Α Plus: Current Year Adv Procurement Α 396.222 267.759 530.634 Plus: Lot 1 Bridge Funding Α 674.500 Other Α 15.422 33.996 39.389 Less: GFE Lot 1 Bridge Funding Α -7.144 Production Support - Other (PSO) Α 115.614 75.347 161.773 Performance-based Agile Logistics Support Α 114.035 167.095 273.276 (PALS) Subtotal Air Vehicle Support 229,649 242.442 435.049 Α Engine Support 91.288 113.448 132.126 Α **Interim Supply Support** Α Publications/Technical Data Α ECOs Α Other Α Subtotal Support Costs 329.215 389.886 606.563 Α TOTAL PROGRAM 2536,494 3037.312 4614.670

Comments

The FLYAWAY COST SUBTOTAL Total Cost number does not match the Flyaway Unit Cost number on the P-40 because one is a total cost and the other is an average unit cost.

P-1 Shopping List Item No. 01

Weapon System Cost Analysis Exhibit P-5, page 2 of 15

Exhibit P-5, Weapon System Cost Analysis					e: February 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number				P-1 Line Item Nomeno	clature	
Aircraft Procurement, Air Force, Budget	Activity 01, Combat	Aircraft, Item	No. 01	F-22 (Raptor)		
TOTAL PROGRAM		2536.494		3037.312		4614.670
The Non-Recurring line has increased since the FY02 PB	due to DMS funding movin	g from Advance Pr	ocurement to N	on-Recurring per Cong	ressional direction.	
	P-1 Shoppin	g List Item No. 01		We	eapon System Co	
					Exhibit P-5, pa	age 3 of 15

Exhibit P-5A, Procurement									Da	te: Februa	ry 2002	
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F-22												
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			Location of	RFP Issue	I	Contract			Award	First	Available	Revisions
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Lockheed Martin Corp	13		ASC/YF	Apr-00	SS	FFP	Lockheed Martin		Jan-02	Nov-03	Yes	
Lockheed Martin Corp	23	117.318	ASC/YF	Oct-01	SS	FFP	Lockheed Martin		Nov-02	Oct-04	Yes	
Pratt & Whitney	4	14 125	ASC/YF	Dec-97	SS	FFP	Pratt & Whitney		Dec-98	Feb-01	Yes	
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Pratt & Whitney	20	10.441	ASC/YF	Jan-99	SS	FFP	Pratt & Whitney		Apr-02	May-02	Yes	
Pratt & Whitney	26		ASC/YF	May-00	SS	FFP	Pratt & Whitney		Mar-03	May-03	Yes	
Pratt & Whitney	46		ASC/YF	Nov-01	SS	FFP	Pratt & Whitney		Mar-04	May-04	Yes	
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Out cost for the engine differs	mom u	ie r-5 beca	use the r-3 us	ses the affer	ari qiy io de	termine unit c	ost and the F-JA uses t	me engm	e qty.			
Unit cost does not include non-	recurri	ng cost										
emit cost does not merade non	recurri	115 0051.										
Specs are available, however, the	he tech	nical data p	ackage is a 'd	eferred deli	ivery' option	and is current	tly maintained by the co	ontractor				
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				P-	1 Shopping	g List Item No	o. 01		Proc		-	d Planning
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Production Schedule Exhibit P-21, page 5 of 15

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Production Schedule Exhibit P-21, page 8 of 15

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Production Schedule Exhibit P-21, page 9 of 15

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01	F-22 (Raptor)

Weapon System F-22

Equipment Nomenclature: Unit Training Device (UTD)

Equipment Montenetatures on	it framing bein	c (CID)						
Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	6	12	10	3	15	22	12	80
Proc	52.862	47.540	69.997	14.338	59.897	117.090	66.770	428.494

TRAINING SYSTEM DESCRIPTION

Note: Total quantity and procurement dollars does not include 'To Complete' amounts included on the following pages.

Unit Training Devices

Aircrew Trainers

The Full Mission Trainer (FMT) is a highly defined 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 operations, 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 weapon system, and it 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. Quantities are the number of actual FMT devices, where four FMT devices equal one complex.

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

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

Aircrew Trainer Support

The aircrew trainer support line includes electronic classrooms, Training System Support Center (TSSC), curriculum and courseware, and analysis and integration for the pilot training system and the overall F-22 training system. The electronic classrooms are designed to provide presentation of multi-media course data for F-22 maintainers. Computer based Integrated Maintenance Information System (IMIS) technical data is integrated with course materials presented to students at Computer Based Training (CBT). The Training System Support Center (TSSC) is designed to integrate various components of the F-22 training system to facilitate distribution of training data through 'TSSC Nodes' support software for upgrading multi-media course presentations, and tracking/maintaining system configuration. Analysis and integration (A&I) effort is required for planning, and executing the production, test and deployment of the F-22 training system. The overall training system analysis and integration function also

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 10 of 15

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01	F-22 (Raptor)

TRAINING SYSTEM DESCRIPTION Continued

includes initial peculiar support equipment lay-in, initial spares lay-in, and initial consumables lay-in.

The Instructor Led Weapons and Tactics Trainer (ILWTT) classroom will house multi-ship networks of WTTs at the Formal Training Unit (FTU). An instructor station and multimedia equipment located in the classroom will enable the pilot instructor to control and display multiple independent WTT networks.

The brief/debrief rooms will enable students and instructors to utilize multimedia equipment to brief FMT training missions and review mission video and cockpit instrumentation following the FMT training mission.

The Electronic Workbooks (EWBs) are commercial-off-the-shelf (COTS) workstations connected on a classified network. They will be used at the FTU by students to study and review the pilot training courseware. The EWBs will be located in the Computer Based Training (CBT) classroom and there will be one EWB in each of the ILWTT classrooms.

The Instructor-led Multimedia Academics (ILMMA) is an instructor presented computer-based multimedia presentation. It builds upon the information learned from the EWB.

The Training System Support Center (TSSC) nodes will be a collection of equipment, software, and networks required to maintain and update pilot and maintenance training devices (hardware and software) and pilot training courseware.

Maintenance Trainers

The On-Equipment Structures Trainer (OST) will provide removal and installation training of generic panels and doors as well as removal, application and installation training of selected structures materials and components. The doors and panels will be mounted on removable modules, which may be raised, lowered and rotated to simulate maintainer access to aft surfaces of the air vehicle.

The Seat and Canopy Trainer (SCT) will provide the capability to perform inspection, repair, fault isolation, removal, installation, operation, and checkout tasks on the ejection seat and canopy systems of the aircraft.

Maintenance Trainer Support

The maintenance support line includes maintenance training material and equipment, which are designed to provide the necessary items required for use in the various maintenance training laboratories. Also included in the maintenance support line is the analysis and integration function, which is required for planning, and executing the production, test and deployment of the F-22 maintenance training system. This includes, but is not limited to, engineering activities to analyze aircraft changes to determine training system impacts and integration of changes into the training system.

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 11 of 15

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01	F-22 (Raptor)
TRAINING SYSTEM DESCRIPTION Continued	
The Off-Equipment Training Material (OETM) is a collection of sample or damaged structural components used to train maintenance tasks such as back shop composite repair, non-destructive inspection (NDI), and metals repair.	maintenance technicians to perform structural
The Hardware Repair Training Material (HRTM) is a mixture of scrap and extra inventory aircraft hardware commonly e optic repair and connector repair.	encountered in aircraft maintenance such as fiber
The Seat Maintenance Training Equipment (SMTE) allows students to practice off-equipment maintenance of seat compo	onents using real, inert equipment.
The Life Support Equipment Lab (LSEL) allows students to perform maintenance on the life support components of the l	F-22 aircraft.
Unclassified classrooms will contain eight (8) student Computer Based Training (CBT) workstations and one instructor of maintenance-training courseware. Portable Maintenance Aids (PMAs) will be used in the course of training. A multimed instructor's CBT workstation and video player to a screen in the front of the classroom. A Maintenance Support Workstati unclassified Integrated Management Information System (IMIS).	ia system will transmit audio/video outputs from the
Classified classrooms will be approximately the same as the unclassified classrooms.	
P-1 Shopping List Item No. 01	imulator and Training Device Justification (\$ N

Exhibit P-43 p.1, page 12 of 15

Exhibit P-43 p.2, Simu	lator and Tr	aining Device	Justification	n (\$ M)				Date: F	ebruary 2002	2
Appropriation (Treasury) Code Aircraft Procurement				1, Combat	Aircraft, Ite	em No. 01		e Item Nomenclatu (Raptor)	ıre	
Weapon System F-22										
Equipment Nomenclatur	re: Unit Traiı	ning Device (U	ΓD)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY 2	2003
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH	QTY	COST	QTY	COST	QTY	COST
DITTE			DITTE	PUT	Q11	0051	Q11	0051	Q11	0051
Egress									1	1.784
Weapons					4	7.659	6	12.415	5	10.335
Full Mission Trainers					2	27.008	2	17.862	4	33.253
On-Equipment Structures							2	1.723		
Trainer										
Seat and Canopy Trainer							2	6.536		
TOTAL					6	34.667	12	38.536	10	45.372

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 13 of 15

Exhibit P-43 p.3, Simulator	and Training	Device Just	tification (\$ I	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/Aircraft Procurement,			tivity 01, C	Combat Air	rcraft, Item	1 No. 01	P-1 Line Ite F-22 (R	em Nomenclature Raptor)	;	
Weapon System F-22										
Equipment Nomenclature: A	ircrew Trainer	s								
Description:										
EINANCIAI DI AN	FY 20	001	FY 2	2002	FY 2	2003	To Con	nplete	Total (Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Training Systems	6	34.667	8	30.278	10	45.372	41	152.449	65	262.766
Total Hardware Costs	6	34.667	8	30.278	10	45.372	41	152.449	65	262.766
Support Costs										
		6.821		6.804		20.949		101.428		152.189
Total Support Costs		6.821		6.804		20.949		101.428		152.189
		Т		Т					Т	
TOTAL COSTS	6	41.488	8	37.082	10	66.321	41	253.877	65	414.955

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 14 of 15

Exhibit P-43 p.4, Simulator	r and Trainin	g Device Just	tification (\$!	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/ Aircraft Procurement,			tivity 01, (Combat Air	craft, Iter	n No. 01	P-1 Line Ite F-22 (R	em Nomenclature Raptor)	ı	
Weapon System F-22										
Equipment Nomenclature: M	Iaintenance									
Description:										
EINIANCIAI DI AN	FY	2001	FY 2	2002	FY	2003	To Com	nplete	Total (Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
			4	8.257			22	52.537	26	60.795
Total Hardware Costs			4	8.257			22	52.537	26	60.795
Support Costs										
		11.374		2.200		3.675		42.403		59.653
Total Support Costs		11.374		2.200		3.675		42.403		59.653
	T	Т		Т						
TOTAL COSTS		11.374	4	10.457		3.675	22	94.940	26	120.448

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 15 of 15

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Exhibit P-40, Budget Iten	n Justifica	tion]	Date: Febr	uary 2002	
Appropriation (Treasury) Code/C	C/BA/BSA/Ite	m Control Num	ber					F	-1 Line Item Nor	nenclature		
Aircraft Procuremen	t, Air For	ce, Budg	et Activi	ty 01, Co	mbat Air	craft, Ite	m No. 02	F	-22 (Rapto	or) Adva	nce Proc	urement
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		PE27219F			
	ID Code	Prior Years	FY 2005	FY 2006	FY 2007		To Comp	Total				
Proc Qty	A											
Cost (\$ M)												
Advance Proc Cost (\$ M)		554.181	1070.722	267.759	530.634	567.913	848.539	679.05	0 598.945		724.336	5842.079
Weapon System Cost (\$ M)		554.181	1070.722	267.759	530.634	567.913	848.539	679.05	0 598.945		724.336	5842.079
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		554.181	1070.722	267.759	530.634	567.913	848.539	679.05	0 598.945		724.336	5842.079
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 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 capable of supersonic cruise without the use of afterburner.

FY 2003 Program Justification

				schedule		

P-1 Shopping List Item No. 02

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

					UNCLAS	JOILIED						
Exhibit P-10 p.1, Adv (Page 1 - Funding)	vance Proce	urement Re	equirements	s Analysis						Date: Febru	uary 2002	
Appropriation (Treasury) C	ode/CC/BA/BS	A/Item Contro	Number					1	P-1 Line Item No	omenclature		
Aircraft Procurer				ivity 01, C	Combat A	ircraft, It	em N <u>o. 0</u>	2	F-22 (Rapt	tor) Adva	nce Proc	urement
Weapon System						First System	n Award Date	3		First System	n Completion	Date
F-22AP							Jun-	-98			Nov-01	
					(\$ in Mi	illions)						
<u>Description</u>	PLT	When Rad	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty			2	10	13	23	27	32	2 40	56	130	333
CFE	Τ	Τ	486.768	996.922	267.759	530.634	567.913	448.539	579.050	548.945	724.336	5150.866
GFE		T						i	T	'	\Box	
EOQ		<u> </u>	$\prod_{}$	<u> </u>	<u> </u>	<u> </u>	<u> </u>	400.000	100.000	50.000		550.000
Design			67.413	73.800		<u> </u>			<u> </u>			141.213
Term Liability								-			$\overline{\qquad}$	
TOTAL AP		-	554.181	1070.722	267.759	530.634	567.913	848.539	679.050	598.945	724.336	5842.079
<u>Description:</u> CFE represents required allocated as Lot 1 Adva	•		-	-			_				M of Lot 1 ft	unding

Design line represents funding for Diminishing Manufacturing Sources (DMS). Starting in FY02, DMS funding has moved out of advance procurement and into the aircraft procurement non-recurring funding.

EOQ (Economic Order Quantity) represents cost for upfront Multi-Year Procurement.

First system award date reflects advanced buy for PRTV I.

P-1 Shopping List Item No. 02

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

						ASSIFIED						
Exhibit P-10 p.2, Adva (Page 2 - Budget Just		rement Re	quirements	s Analysis						Date: Febr	uary 2002	
Appropriation (Treasury) Cod	de/CC/BA/BSA	/Item Control	Number						P-1 Line Item No	omenclature		
Aircraft Procurem				.ivity 01, (Combat /	Aircraft, It	iem No. 0		F-22 (Rapt		ince Pro	curement
Weapon System F-22AP												
					(TOA, \$	in Millions)						
					2001	T		2002			2003	T 7
	l j	·	1		Contract	2001 Total		Contract	2002 Total		Contract	<u>2003 Total</u>
i]	, I	1		Forecast	Cost		Forecast	Cost		Forecast	Cost
<u>Description</u>	<u>PLT</u>	<u>OPA</u>	Unit Cost	2001 QTY	<u>Date</u>	Request	2002 QTY	<u>Date</u>	Request	2003 QTY	<u>Date</u>	Request
End Item												
Lot 1 Bridge Funding						674.500						T
CFE	i j	·	'	13	Sep-01	322.422	+	Jan-02	267.759	27	Nov-02	530.634
				•		•	•			-	-	
EOQ		i				T						
Design				13	Sep-01	73.800			T			
TOTAL AP						1070.722			267.759			530.634
Description:												
CFE represents required	funding for (Contractor E	hamished Ear	winmont (CE	E) for both	A:- Wahiala a	nd Engine T	Cha EV01 (CEE amount in	aludas \$674	5M of Lot 1	funding
• •	_				*		_				SM of Lot 1	lunuing
allocated as Lot 1 Advan	ced Procuren	nent and use	d as bridge i	runding for i	⊃ot 1 b⊔or π	o the LKIP D	AB and subs	equent Lot	t I contract awa	ara.		
Design line gengesents fo	dina fon Die	:-iahina M	/fo atumin (- Courses (D	MC) Ctonti	in EV02 I	MC funding	- 1- ac morro	1 of advan		t and into	41 aimamaft
Design line represents fu	-	ninisning ivi	anuracturing	, Sources (Di	MS). Startin	1g in F i 02, L	JMS runding	nas movec	d out of advanc	e procureme	int and into	the aircrait
procurement non-recurring	ng tunuing.											
C. to d Francis Date	C	1	1 C.	T 2								
Contract Forecast Date re	effects advance	ced procurer	nent date for	Lot 3.								
	DI TV : 05	1 6 1		1.07	4 6 4 F							
Production Lead Time (F	2LT) is 35 mc	onths for the	Air Vehicle	and 27 mont	ths for the E	ingine.						
1												

P-1 Shopping List Item No. 02

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

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Exhibit P-40, Budget Item	า Justificat	tion								Date: Febrι	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	m Control Num	ber					P-	1 Line Item No	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 01, Co	mbat Air	craft, Ite	m No. 03	F	-15E			
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		None.			
	ID Code	Prior Years	FY 2005	FY 2006	FY 2007		To Comp	Total				
Proc Qty	A	1,100	5	0		0	1,105					
Cost (\$ M)		26219.910	356.183	0.000	0.000	0.000	0.000	0.000	0.000			26576.093
Advance Proc Cost (\$ M)			0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000
Weapon System Cost (\$ M)		26219.910	356.183	0.000	0.000	0.000	0.000	0.000	0.000			26576.093
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000			0.000
Total Proc Cost (\$ M)		26219.910	356.183	0.000	0.000	0.000	0.000	0.000	0.000			26576.093
Flyaway Unit Cost (\$ M)			75.789									
Wpn Sys Unit Cost (\$ M)												

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 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 (CFTs), the F-15E can deploy worldwide with minimal tanker support and arrive combat ready. The program is a Congressional-add to FY00 and FY01 for the purchase of attrition reserve F-15Es.

FY 2003 Program Justification

Not Applicable

P-1 Shopping List Item No. 03

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

Exhibit P-5, Weapon System Cost Analysis	s				Date: Feb	oruary 2002				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control							P-1 Line Item I	Nomenclature		
Aircraft Procurement, Air Force, Bu	ıdget A	ctivity 01	<u>, Combat</u>	Aircraft, I	tem No.	. 03	F-15E			
Manufacturer's Name/Plant City/State Location				Subline Item						
Weapon System	Ident				Total Co	ost In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total		1	Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	5	0.999	4.993		<u> </u>	<u> </u>		↓	
Airframe/CFE	A	5	54.278	271.390		<u> </u>			 	
Engine/Accessories	A	10	4.123	41.230		<u> </u>			$\downarrow \downarrow \downarrow \downarrow$	
Parts Obsolescence	A		<u> </u>	7.424			<u> </u>		1	
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A	5	3.401	17.007						
Engineering Change Orders (ECO)	A			8.008						
Nonrecurring Costs	A			18.257						
Other Costs	A			10.647						
FLYAWAY COST SUBTOTAL	A			378.956						
Advance Buy	A									
Gross P-1 Cost	A									
Less Prior Yr Adv. Proc	A			-24.563						
Support Equipment	A			1.790						
Total Cost	A			356.183		Ī				
						1				
TOTAL PROGRAM						1				
						•	•			
<u>Comments</u>										

The document represents the definitization of the combined FY00 and FY01 E227 Attrition Aircraft contract. The airframe line includes the airframe/CFE in addition to GFE Repair and DCN's. NonRecurring costs includes Tooling and Production Startup along with money to support PACS for their production in support of the E227 program. The Other GFE Line includes money for the aircraft GFE & AME & MORD. The Other Line includes TO's and Support costs. All GFE and AME hardware on DD-610 doc. FY00 includes \$90M of FY00 Supplemental funds not reflected in AF database.

P-1 Shopping List Item No. 03

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

Appropriation (Treasury) Code/	CC/BA/BSA	/Item Contro	l Number					P-1 Lin	e Item Nomer	nclature		
Aircraft Procuremen				vity 01,	Combat	Aircraft, It	tem No. 03	F-15		1014141		
Weapon System					Subline Iter	m						
F-15E												
			Location of	1 1	1	Contract			Award	Date of First		Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Туре	Contractor and Loca	tion	Date	Delivery	Now?	Available ⁶
Air Vehicle CFE			ASC/FBA	<u> </u>	С	FFP						
FY00	5	58.325	ASC/FBA	<u> </u>	FFP	FFP	The Boeing Compan	ıy	Mar-00	May-02		
FY01	5	57.940	ASC/FBA	<u> </u>	FFP	FFP	The Boeing Compan	ıy	Mar-01	May-02		
Propulsion			ASC/LPP		C	FFP						
FY00	10	4.067	ASC/LP		FFP	FFP	PRATT & WHITNE	ΞY	Sep-00	May-02	Yes	
FY01	10	4.123	ASC/LP		FFP	FFP	PRATT & WHITNE	ΞY	May-01	May-02		
Band 1.5			ASC/FBA		FFP	FFP			T	П		
FY00	5	2.000	ASC/FBA		FFP	FFP	Nothrup		Mar-02	Mar-02	Yes	
FY01	5		ASC/FBA		FFP	FFP	Northrup		Mar-02	Mar-02		
Remarks \$575.073 of both year funds	s obligated	on Mar 01.	\$571.073 FF	P with rem	naining \$4M	as a CPFF co	ontract for GFE Repair.					

P-1 Shopping List Item No. 03

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

Exhibit P-21, Producti	on Sch	nedule																				Dat	e: F	ebru	ıary	200	2		
Appropriation (Treasury) Cod	le/CC/BA	/BSA/Ite	m Control	Number														F	P-1 Li	ne Ite	m N	omer	nclatu	re					
Aircraft Procureme	ent, A	ir For	ce, Bu	dget A	ctiv	ity	01, (Con	nba	t A	ircr	aft,	Ite	m l	No.	03			F-1	5E									
	S	PDOC	ACCEP. PRIOR	BALANCE DUE		2000			FISC	CAL Y	EAR 2		NDAF	R YEA	R 200	1					FIS	CAL Y			EAR 2	2002			L A
PROCUREMENT YEAR	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
2000	USAF	5	2	3																				1			1		1
2001	USAF		0	5	_	Ш						_					\perp												5
TOTAL		10	2	8		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	-	Ţ	F		.	\ \ \	<u> </u>		.	_				Ţ				1	L.		1		6
					O C T	O V	D E C	A N	F E B	M A R	P R	M A Y	U N	U L	A U G	S E P	C	O V	D E C	A N	E B	A R	P R	M A Y	U N	U L	U G	S E P	
				PRODUCTIO	ON RA	TES										PROC	CUREM	ENT	LEAD	TIME	3								
ITEM/MANUFACTURER'S NAMI	F	LOCATIO	ON	SUST	SHIF HOU DAY	RS	M A X	RE	EACHI D+	ED							ADM LEAD		l.		MFG			ΓΟΤΑΙ AFTEI					
Boeing			MO 63316		4		5										OR OCT	AFT			TIME			1 OCT					
											INITI	IAL										26			26				
											REO	RDER																	
REMARKS			C																										-
FY00 and FY01 USAF buys are for	r attrition re	eserve aircr	art.																										

P-1 Shopping List Item No. 03

Production Schedule Exhibit P-21, page 4 of 5

* * * * * * * * * * * * * * * * * * * *	SA/Iter																_				Dat	а. Г			200	,		
Appropriation (Treasury) Code/CC/BA/B Aircraft Procurement, Air																					Dat	e: r	ebru	ary :	∠∪∪∠	_		
Aircraft Procurement. Air	r For	ce, Bu															P.	·1 Lin	e Ite	m No	omen	clatu	re					
			idaet A	ctiv	itv (01. (Com	าba	t Ai	ircr	aft.	lte	m ľ	No.	03		İF	-15	Ε									
		ACCEP.	BALANCE						AL Y											FISO	CAL Y	EAR:	2004					L
	PROC. QTY	PRIOR TO 1 OCT 2002	DUE AS OF 1 OCT 2002	O C T	2002 N O V	D E C	J A N	F E B	M A R	A P R	CALE M A Y	NDAF J U N	J U I	R 2000 A U G	S E P	С	N O V		J A N	F E B	M A R	LEND A P R	AR Y M A Y	EAR 2 J U N	004 J U	A U G	S E P	A T E R
2000 USAF	5	2002	3		1		-11	1	K	K	1	11	L	0	1	1	`		1	ь	K	K	1	11	L	0		0
2001 USAF	5	0	5											1			1			1			1			1		0
TOTAL	10	2	8	_	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	С	N O 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	
			PRODUCTION	ON RA	TES							11			PROC	UREM	ENT L	EAD	TIME			-10						
			MIN SUST	SHIF	RS	M A	RE	ACHE	ED]	ADM LEAD T]	MFG			ГОТАІ					
ITEM/MANUFACTURER'S NAME L. Boeing	OCATIO	N .		DAYS	\$	X		D+							PRI 1 O		AFTI 1 OC		Т	TIME			AFTER 1 OCT					
										INITI	AL				10		100	1										
										REOF	RDER																	
REMARKS																												

Production Schedule Exhibit P-21, page 5 of 5

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Exhibit P-40, Budget Item	n Justificat	tion								Date: February:	2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	m Control Num	ber					P-	1 Line Item No	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 01, Co	mbat Air	craft, Ite	m No. 04	F	-16 C/D (N	MYP)		
Program Element for Code B												
	ID Code	Prior Years	FY 2006	FY 2007	То С	Comp	Total					
Proc Qty	A	2,214	4	0	0	6	6	0	0		0	2,230
Cost (\$ M)		32576.520	111.225	0.000	0.000	224.932	234.140	0.000	0.000			33146.817
Advance Proc Cost (\$ M)		2860.790	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	2860.790
Weapon System Cost (\$ M)		35437.310	111.225	0.000	0.000	224.932	234.140	0.000	0.000		0.000	36007.607
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	0.000	0.000					0.000
Total Proc Cost (\$ M)		35437.310	111.225	0.000	0.000	224.932	234.140	0.000	0.000		0.000	36007.607
Flyaway Unit Cost (\$ M)		15.970	26.600									
Wpn Sys Unit Cost (\$ M)												

Description

MISSION AND DESCRIPTION:

The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a 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/night and all-weather). 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 over 20 air forces around the world. USAF and foreign military sales production will continue well into the 21st century. The F-16 System Program Office (SPO) develops, integrates and qualifies systems to enhance the overall performance of the F-16 mission.

FY 2003 Program Justification

P-1 Shopping List Item No. 04

Budget Item Justification Exhibit P-40, page 1 of 7

Exhibit P-5, Weapon System Cost Analysis	S							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	Nomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 01	, Combat	Aircraft, I	tem No.	. 04	F-16 C/D	(MYP)		
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed-Martin Aeronautics Company., Ft. Wo	rth, TX									
Weapon System	Ident				Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	4	15.961	63.843						
Engine	A	4	4.180	16.720						
Avionics	A	4	1.377	5.506						
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A	4	2.129	8.515						
Engineering Change Orders (ECO)	A	4	0.119	0.477						
Nonrecurring Costs	A	4	1.791	7.164						
Other Costs	A									
Less Prior Year Adv Procurement	A									
FLYAWAY COST SUBTOTAL	A			102.225						
Engine PGSE	A			3.000						
Peculiar Support Equipment	A			6.000						
SUPPORT COST SUBTOTAL	A			9.000						
TOTAL PROGRAM				111.225						
Comments										
FY00 Aircraft Procurement (10 aircraft) are Force aircraft are required and 12 are funded6 in FY04 FY00 Advance Procurement in the amount of 24. FY01Appropriation Conference. FY01 aircraft include incorporation of Link 16, N	4 and 6 in 1 096 was a	FY05. There FY00 Congr	e are 4 block ressional Plus	50 attrition res	serve aircra	aft funded in I	FY01.	•		al 20
		F	P-1 Shoppin	g List Item N	o. 04			•	n System Co Exhibit P-5,	- 1

Exhibit P-5A, Procurement		•							Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC/B	A/BSA	Item Contro	l Number					P-1 Line	Item Nome	nclature		
Aircraft Procurement, A	Air F	orce, B	udget Acti	ivity 01,	Combat	Aircraft, It	tem No. 04	F-16 (C/D (MY	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 Locat	tion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY2000												
LOCKHEED MARTIN AERONAUTICS COMPANYAIRFRAM EFT WORTH, TX	10	15.387	Ft Worth, TX		SS	FFP	LOCKHEED MART AERONAUTICS COMPANYAIRFR FT WORTH, TX		Apr-00	Apr-02	No	Apr-00
GENERAL ELECTRIC-PROPULSIO N	10	3.820	GE, Evendale, OH		С	FFP	GENERAL ELECTRIC-PROPUL G.E. Evendale, OH	LSION,	Dec-99	Dec-00	Yes	
FY2001												
LOCKHEED MARTIN AERONAUTICS COMPANYAIRFRAM EFT WORTH, TX	4	16.750	Ft Worth, TX		SS	FFP	LOCKHEED MART AERONAUTICS COMPANYAIRFR FT WORTH, TX		Dec-00	Oct-02	Yes	
GENERAL ELECTRICPROPULSI ON	4	4.136	GE, Evendale, OH		С	FFP	GENERAL ELECTRICPROPU , G.E. Evendale, OH	JLSION	Feb-01	Feb-02	Yes	
<u>Remarks</u>												
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Appropriation (Treasury) Co	de/CC/BA	/BSA/Ite	m Control	Number														Ī	P-1 Li	ne Ite	em N	omer	nclatu	ıre					
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P-1 Shopping List Item No. 04

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FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 02 – AIRLIFT AIRCRAFT FEBRUARY 2002

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Exhibit P-40, Budget Item	n Justificat	ion							I	Date: Febru	uary 2002				
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	nber					P	1 Line Item No	menclature					
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 02, Air	lift Aircra	aft, Item	No. 05	C	-17A (MY	P)					
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A						
	ID Code Prior Years FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp														
Proc Qty	A	85	12	15	12	10	11	12	2 14		9	180			
Cost (\$ M)		18268.100	2616.440	2799.487	2694.140	2099.829	2018.398	1776.53	3 1617.642		TBD	TBD			
Interim Ctr Support (\$ M)		307.000	0.000	481.763	612.452	775.613	789.918	770.46	662.674		TBD	TBD			
Advance Proc Cost (\$ M)		2229.849	257.233	371.000	391.890	525.400	802.900	1066.40	979.000		0.000	6623.672			
Weapon System Cost (\$ M)		20804.949	2873.673	3652.250	3698.482	3400.842	3611.216	3613.40	3259.316		TBD	TBD			
Initial Spares (\$ M)		803.851	0.000	0.000	0.000	0.000	0.000	0.00	0.000		0.000	803.851			
Total Proc Cost (\$ M)		21608.800	2873.673	3652.250	3698.482	3400.842	3611.216	3613.40	3259.316		TBD	TBD			
Flyaway Unit Cost (\$ M)		271.228	203.551	202.077	216.731	213.145	209.086	208.304	199.790						
Wpn Sys Unit Cost (\$ M)		301.499	240.306	236.336	309.093	341.614	329.926	302.655	234.042						

Description

FY 03-07 budget reflects the DoD planned follow-on acquisition of 60 additional aircraft, which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. This acquisition will be a multi-year procurement contract of six years duration. The strategy is to provide funding that sustains the production and delivery rate of 15 aircraft per year that exists in the current multi-year contract. By adjusting the advance procurement funding and the cancellation ceiling provisions, payment obligations can be met that sustains the factory at the rate of 15 aircraft per year. The result is that quantity and budget profile by year is less than the factory build profile and the lead-time from full funding to first article approaches zero. Note that the funding profile for FY03 - FY08 is 4-10-11-12-14-9 while deliveries remain at the planned minimum economic production rate of 15 per year.

During FY03 the Air Force will also ensure continued evaluation of commercial C-17 Civil Reserve Air Fleet (CRAF) applications and feasibility. The Air Force will also evaluate business cases for implementation of airlift service agreements with commercial providers. If the potential business case meets established financial goals for the program and the required congressional authority is provided, the Air Force will implement commercial airlift services agreements.

The Advance Procurement funds appropriated for this multiyear contract will be used to procure EOQ and long-lead components, parts, and materials, and fabricate and assemble the C-17 aircraft in order to capitalize on economic purchases and maintain efficient production rates.

FY 2003 Program Justification

This reflects the seventh and last year of the original C-17 multiyear procurement (MYP) acquisition contract. Eight of the twelve aircraft are being procured under this MYP contract. The remaining four aircraft will be part of a new sixty (60) aircraft multiyear buy of C-17 aircraft.

P-1 Shopping List Item No. 05

Budget Item Justification Exhibit P-40, page 1 of 16

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Acti Manufacturer's Name/Plant City/State Location Boeing Airlift and Tankers / Long Beach, CA Weapon System Cost Elements Ident Code 1.0 Airframe A 2.0 Engine (4) (Model F-117-PW-100) A 3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement	Qty 12 48 12 12		Total Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000			Total Cost 2524.000 311.500 93.361 0.000 39.600		FY 2003 Unit Cost 174.242 6.819 6.195	Total Cost 2090.900 327.300 74.340
Manufacturer's Name/Plant City/State Location Boeing Airlift and Tankers / Long Beach, CA Weapon System Cost Elements 1.0 Airframe	Qty 12 48 12	FY 2001 Unit Cost 170.558 5.142 5.875	Total Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	Oty 15 60 15	In Millions FY 2002 Unit Cost 168.267 5.192 6.224	Total Cost 2524.000 311.500 93.361 0.000 39.600	Qty 12 48 12	Unit Cost 174.242 6.819	Cost 2090.900 327.300
Boeing Airlift and Tankers / Long Beach, CA Weapon System Cost Elements Ident Code 1.0 Airframe A 2.0 Engine (4) (Model F-117-PW-100) A 3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement	12 48 12	FY 2001 Unit Cost 170.558 5.142 5.875	Total Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	Qty 15 60 15	FY 2002 Unit Cost 168.267 5.192 6.224	Total Cost 2524.000 311.500 93.361 0.000 39.600	12 48 12	Unit Cost 174.242 6.819	Cost 2090.900 327.300
1.0 Airframe	12 48 12	Unit Cost 170.558 5.142 5.875	Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	Qty 15 60 15	FY 2002 Unit Cost 168.267 5.192 6.224	Total Cost 2524.000 311.500 93.361 0.000 39.600	12 48 12	Unit Cost 174.242 6.819	Cost 2090.900 327.300
1.0 Airframe	12 48 12	Unit Cost 170.558 5.142 5.875	Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	Qty 15 60 15	FY 2002 Unit Cost 168.267 5.192 6.224	Total Cost 2524.000 311.500 93.361 0.000 39.600	12 48 12	Unit Cost 174.242 6.819	Cost 2090.900 327.300
1.0 Airframe	12 48 12	Unit Cost 170.558 5.142 5.875	Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	15 60 15	Unit Cost 168.267 5.192 6.224	Cost 2524.000 311.500 93.361 0.000 39.600	12 48 12	Unit Cost 174.242 6.819	Cost 2090.900 327.300
2.0 Engine (4) (Model F-117-PW-100) A 3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	12 48 12	170.558 5.142 5.875	Cost 2046.700 246.793 70.495 0.000 20.400 0.000 50.000	15 60 15	168.267 5.192 6.224	Cost 2524.000 311.500 93.361 0.000 39.600	12 48 12	174.242 6.819	Cost 2090.900 327.300
2.0 Engine (4) (Model F-117-PW-100) A 3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	12 48 12	170.558 5.142 5.875	2046.700 246.793 70.495 0.000 20.400 0.000 50.000	15 60 15	168.267 5.192 6.224	2524.000 311.500 93.361 0.000 39.600	12 48 12	174.242 6.819	2090.900 327.300
2.0 Engine (4) (Model F-117-PW-100) A 3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	48 12	5.142 5.875	246.793 70.495 0.000 20.400 0.000 50.000	60 15	5.192 6.224	311.500 93.361 0.000 39.600	48 12	6.819	327.300
3.0 Avionics A 4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	12	5.875	70.495 0.000 20.400 0.000 50.000	15	6.224	93.361 0.000 39.600	12		
4.0 Engineering Change Orders (ECO) A 5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			0.000 20.400 0.000 50.000			0.000 39.600		6.195	74.340
5.0 Product Improvement A 6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	12	1.700	20.400 0.000 50.000	15	2.640	39.600	10		
6.0 Nonrecurring Flyaway A 7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A	12	1.700	0.000 50.000	15	2.640		10		0.000
7.0 Settlement A 8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			50.000			0.000	12	8.892	106.700
8.0 Flyaway Cost Subtotal (1 thru 7) A 9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A						0.000			0.000
9.0 Peculiar Support Equipment A 10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 A Weap 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			2424 200			0.000			0.000
10.0 Common Support Equipment A 11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			2434.388			2968.461			2599.240
11.0 Training A 12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			7.300			32.000			36.600
12.0 Data A 13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			6.000			17.000			14.600
13.0 Field Support A 14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			89.500			61.900			157.000
14.0 Flex Sustainment (See below - Other P-1 Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			0.597			0.760			0.600
Weap A 15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			0.000			0.000			0.000
15.0 Whole Engine Spares A 16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			0.000			0.000			0.000
16.0 Mission Support A 17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A									
17.0 Support Cost Subtotal (9 thru 16) A 18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			0.000			18.100			92.200
18.0 Gross P-1 Cost (8 + 17) A 19.1 LESS: Prior Year Adv Procurement A			15.600			14.200			14.000
19.1 LESS: Prior Year Adv Procurement A			118.997			143.960			315.000
	12		2553.385	15		3112.421	12		2914.240
10.2 1 Egg Egg P			-303.300			-257.233			-190.100
19.2 LESS: EOQ Payback A			-45.000			-56.000			-30.000
20.0 Net P-1 Cost (18 + 19)			2205.085			2799.188			2694.140
21.1 Advance Procurement, Current Year A			257.233			190.100			180.100
21.2 EOQ, Current Year A			0.000			180.900			211.800
Other P-1 Weapon System Costs A									
22.1 ICS (BP10 1050; FY00 thru To Complete) A			411.293			481.800			612.500
22.2 Initial Spares (BP16) A									
				1					

P-1 Shopping List Item No. 05

Weapon System Cost Analysis Exhibit P-5, page 2 of 16

Exhibit P-5, Weapon System Cost Analys						Date: F	ebruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro	ol Number					P-1 Line Item Nomenclatu	re	
Aircraft Procurement, Air Force, B	udget A	ctivity 02	, Airlift A	rcraft, Item No.	05	C-17A (MYP)		
TOTAL PROGRAM				2873.611		3651.988		3698.540
Comments								
Candidate FY03 Lot XV Major Production Incom	rporations:	Army Comi	nunication R	equirements (SECOM	P-1), Extraction	n Parachute Jettison Syst	em, Software Bl	ock 16
Upgrade, OBIGGS II, Wheel Brake Retrofit, Par	-	-		=				
Production Improvement Project (EPIP), Aircraft								
& II, and ATS Cargo Compartment Trainer (CC					_	_		
*Modifications (BP11) dollars (\$96.236M in FY	01, \$105.9	008M in FY02	2, and \$93.9N	I in FY03) are not incl	luded in the P-5	data. See P-3 exhibits	for BP11 details	•
			P-1 Shoppin	g List Item No. 05		Wean	on System Co	st Analysis
							Exhibit P-5, p	- 1

Exhibit P-5A, Procuren	nent Histo	ry and Pl	anning						Dat	e: Februa	ry 2002	
Appropriation (Treasury) Code							■	P-1 Line Ite	em Nomer	nclature		
Aircraft Procureme	nt, Air F	orce, B	udget Acti	ivity 02,	Airlift Ai	rcraft, Iten	n No. 05	C-17A	(MYP)			
Weapon System					Subline Ite	m						
C-17A												
			Location of	RFP Issue	Contract	Contract		A	Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Locati	ion [Date	Delivery	Now?	Available
FY 1999												
Air Vehicle	13	180.508	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach		Dec-98	Jun-00		
Propulsion	52	4.786	AFMC/ASC		SS	FFP	Pratt & Whitney, East Hartford, CT	t	Dec-98	Jul-99		
FY 2000												
Air Vehicle	15	171.398	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach		May-00	Jul-01		
Propulsion	60	4.923	AFMC/ASC		SS	FFP	Pratt & Whitney, East Hartford, CT		Oct-99	Jul-00		
FY 2001							, -					
Air Vehicle	12	176.724	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	I .	Feb-01	Aug-02		
Propulsion	48	5.142	AFMC/ASC		SS	FFP	Pratt & Whitney, East Hartford, CT		Dec-00	Sep-01		
FY 2002							,					
Air Vehicle	15	176.482	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	I .	Mar-02	Aug-03		
Propulsion	60	5.192	AFMC/ASC		SS	FFP	Pratt & Whitney, East Hartford, CT		Nov-01	Jul-02		
FY 2003							, -					
Air Vehicle	12	173.263	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach		Jan-03			
Propulsion	48	6.908	AFMC/ASC		SS	FFP	Pratt & Whitney, East Hartford, CT		Nov-02			

P-1 Shopping List Item No. 05

Procurement History and Planning Exhibit P-5A, page 4 of 16

Exhibit P-5A, Procurement History and Planning	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 05	C-17A (MYP)
Domonika	
Remarks Air Vehicle Unit Cost is total of Airframe and Avionics unit costs from P-5 Exhibit which includes both Contractor ar	ad Covernment Europished Equipment
Air Vehicle Multi-Year Procurement contract was awarded on 1 Jun 96. The award dates indicated above reflect contract of the contract was awarded on 1 Jun 96.	
aircraft procured in each fiscal year.	ract modification dates to obligate funds for the
Propulsion Multi-Year Procurement contract was awarded on 16 Dec 96. The award dates indicated above reflect con	treat modification dates to abligate funds for the
engines procured in each fiscal year.	tract modification dates to obligate funds for the
The Propulsion Contract Type is Firm Fixed Price with Escalation.	
The Propulsion Contract Type is Firm Fixed Price with Escalation.	
P-1 Shopping List Item No. 05	Procurement History and Planning
S. opping List Nom No. 66	Exhibit P-5A, page 5 of 16

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Exhibit P-21, Product																								ebru	ıary	200	2		
Appropriation (Treasury) Co																						omer	nclatu	ire					
Aircraft Procuren	nent. A	ir For	ce. Bu	daet A	ctiv	ity (02.	Airl	ift /	Airc	raft	t. Ito	em	No	. 05			10	C-17	7A ((M)	(P)							
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1999	USAF	13	2000	2000	T	V		N 1	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	R 0
2000	USAF	15	0			-	1	1	1	┼╌┼	-	-	1	1	1	1	 	2	\dashv	1	1	2	1	1	-	-	\vdash	$\vdash \vdash$	0
2001	USAF	12	0							\vdash	H	H		-			-						<u> </u>	1	-		1	1	10
2002	USAF	15	0			\vdash				$\vdash \vdash$					H												<u> </u>		15
2003	USAF	8	0							\Box																			8
TOTAL		63	4	59	1	1	1	1	1	1	1	1	1	1	1	1	1	2		1	1	2	1	1	1	2	1	1	33
				_	0	N	D	J	F	M	Α	M	J	J	Α	S	0	N	D	J	F	M	Α	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	ON RA	TES							-11			PROC	CUREN	MENT.	LEAD	TIME	3	- 10	- 10		- 1				
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C-17A / Boeing (Lots 11 - 15)		Long Bea	ch, CA	6	1/8/5		15	4									IOR	AFI						1 OCT	•				
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REMARKS											KEOI	NDEK											<u> </u>						
FY03-FY07 reflect the follow-on	ouv of 60 C-	17 aircraft.																											
	,	-,																											
The forecast delivery dates reflect	he MYP cor	ntract dates.	Actual deliv	veries have be	en earli	ier.																							
-																													
A commercial lease arrangement b	etween the L	Inited King	dom (UK) ar	nd Boeing resu	ılted in	the lea	se of f	our C-	17 airc	raft to	the Uk	C. The	e forec	asted o	deliveri	ies, wł	nich ar	e not ir	cluded	l in the	e deliv	ery sc	hedule	above	. are Ju	ın, Jul	. Aug :	and Se	p 2001.
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Production Schedule Exhibit P-21, page 6 of 16

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Exhibit P-21, Product	ion Scl	hedule																				Da	te: F	ebru	Jary	200	2		
Appropriation (Treasury) Cod	de/CC/BA	A/BSA/Ite	m Control	Number															P-1 Li	ne Ite	em N	lomer	nclatu	ıre					
Aircraft Procurem	ent, A	ir For	ce, Bu	idget A	ctiv	ity	02 , <i>I</i>	Airl	ift /	4irc	raf	t, It	em	No	. 05	5		ı	C-1	7A	(M)	YP)							
	S		ACCEP.	BALANCE					FISC	CAL Y	EAR 2										FIS		YEAR						L
PROCUREMENT YEAR	E R V	PROC. QTY	PRIOR TO 1 OCT 2002	DUE AS OF 1 OCT 2002	O C T	2002 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	YEA J U L	AR 200 A U G)3 S E P	O C T	N O V	D E C	J A N	F E B	M A R	ALENI A P R	DAR Y M A Y	EAR 2 J U N	2004 J U L	A U G	S E P	A T E R
2001	USAF	12	2	_	1	2	1	1	1	2	1	1																	0
2002	USAF	15	0	10	_	₩'	<u> </u>					<u> </u>	1	2	1	1	1	2	1	1	1	2	1	1	_	ليلا	\vdash		0
2003	USAF	35	0		_	2		1	<u> </u>	1 2	1	<u> </u>	-	2	<u> </u>	<u> </u>	1	2	—	-		2	⊢	 	1	2	1	1	3
TOTAL		35	<u> </u>	33	0 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	3
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ITEM/MANUFACTURER'S NAM	F	LOCATIO	ON	MIN SUST	SHIF HOU DAY	RS	M A X	RI	EACH D+	ED							ADN LEAD		Е		MFG			TOTAI AFTEI					
C-17A / Boeing (Lots 11 - 15)			211								1						IOR	AF	TER		TIME			1 OCT					
											INIT	IAL RDER				10	OCT	1 (OCT										
REMARKS											IKLO	KDLK																	

Production Schedule Exhibit P-21, page 7 of 16

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Exhibit P-21, Product	ion Scl	hedule																				Da	te: F	Febru	Jary	200)2		
Appropriation (Treasury) Co	de/CC/BA	VBSA/Ite	m Control	Number														P	-1 Li	ne Ite	m N	omer	nclat	ure					
Aircraft Procurem	ent, A	ir Fo	rce, Bu	idget A	ctiv	ity	02,	Airl	ift /	Airc	raf	t, It	em	No	. 05)			C-1	7A ((M)	YP)							
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Production Schedule Exhibit P-21, page 8 of 16

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Production Schedule Exhibit P-21, page 12 of 16

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. 05 Date: February 2002 P-1 Line Item Nomenclature C-17A (MYP)

Weapon System C-17A

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	2	2	7	7	3	0	0	21
Proc	28.200	27.200	113.100	121.600	67.100	0.000	0.000	357.200
Quantity	0	0	0	0	0	0	0	0
Proc	61.300	34.700	43.900	36.600	23.200	25.300	6.000	231.000

TRAINING SYSTEM DESCRIPTION

Aircrew Training System (ATS) (quantity of 10 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) and Air Education and Training Command (AETC) evaluating the final product, a fully qualified crew member. The training system changes are developed concurrently with the aircraft development and production to include program management activities. The Aircrew Training System (ATS) consists of Weapon System Trainers (WSTs), Computer Based Trainers (CBTs), Loadmaster Stations (LSs), a CIP Trainer, a Cargo Compartment Trainers (CCT), and a Cockpit Systems Simulator (CSS). The blend or mix of components depends on the base or schoolhouse where the equipment is located. The bases are Charleston AFB, Altus AFB, McChord AFB, Jackson ANGB, and other bases.

Maintenance Training System (MTS) (quantity of 11 in table above):

Provides maintenance training devices (MTDs) that provide capability for academic and hands-on training for C-17 maintenance technicians. The system is designed to reduce the maintenance training level to the lower skill levels. The MTS will support training and task certification for specific tasks without the use of the aircraft. Training, evaluation, and task certification is administered by Air Education and Training Command (AETC) and Air Mobility Command (AMC). MTD changes will be developed concurrently with the aircraft development and production to include program management activities.

The second procurement line in the table above reflects concurrency and software upgrade funding.

*FY00 supplemental funding, \$14.9M for a Weapon System Trainer, is not included in FY00 funding above. It was appropriated in a special procurement appropriation, 3002, instead of 3010.

P-1 Shopping List Item No. 05

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 13 of 16

Appropriation (Treasury) Code/				า (\$ M)				Date. 1	ebruary 2002	•
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Aircraft Procureme	nt, Air Fo	rce, Buage	t Activity u	2, Airiit Air	craft, item	NO. U5	<u> [C-177</u>	A (MYP)		
Weapon System C-17A										
Equipment Nomenclature	<u>e: Unit Trai</u> ı	ning Device (U7	ΓD)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY 2	.003
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
	Charleston AFB									
Cargo Compartment A Trainer #2	Altus AFB								1	18.300
AIRCREW A	Altus AFB									
	McChord AFB				1	13.000				
	Jackson ANGB				1	15.200				
AIRCREW B	Base X	1	1						1	17.400
AIRCREW B	Base Y	<u> </u>							1	17.400
AIRCREW N	McGuire						1	17.400		
Maintenance N	McGuire		[4	60.000
	Jackson ANGB						1	9.800		
Concurrency and Software*						61.300		34.700		43.900
* Includes spares and support equipment.										
TOTAL		1	· '		2	89.500	2	61.900	7	157.000

P-1 Shopping List Item No. 05

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 14 of 16

Exhibit P-43 p.3, 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. 05 Date: February 2002 P-1 Line Item Nomenclature C-17A (MYP)

Weapon System C-17A

Equipment Nomenclature: Aircrew Trainers

Description:

Aircrew Training System (ATS): Provides initial and continuous training to C-17 aircrews.

The FY00 Supplemental Bill included \$14.9M for a Weapon System Trainer and is not included in the numbers below. Appropriated in a special procurement appropriation, 3002, instead of 3010.

To complete column includes 3 WST's with loadmaster stations and 1 WST without a loadmaster station.

FINANCIAL PLAN	FY 2	2001	FY 2	2002	FY 2	2003	To Cor	nplete	Total	Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Device (Hardware)	2	28.200	1	17.400	3	53.100	4	72.600	10	171.300
Concurrency Updates		11.500		16.000		15.300		42.700		85.500
Total Hardware Costs	2	39.700	1	33.400	3	68.400	4	115.300	10	256.800
							-			
Support Costs										
Trainer Spares		5.500		1.200		1.100		6.000		13.800
Total Support Costs		5.500		1.200		1.100		6.000		13.800
								·	·	
TOTAL COSTS	2	45.200	1	34.600	3	69.500	4	121.300	10	270.600

P-1 Shopping List Item No. 05

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 15 of 16

Exhibit P-43 p.4, Simulator and Training Device Justification (\$ M)	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 05	C-17A (MYP)

Weapon System C-17A

Equipment Nomenclature: Maintenance

Description:

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

*Note: FY00 Defense Appropriation, 3010, (\$3.5M) and FY00 Supplemental Appropriation, 3002, (\$11.0M) plus up for MTS Device (Hardware) totaling \$14.5M is funded with C-17 Modification Funding per FY00 Congressional Language. This funding will allow for procurement of an Aircraft Maintenance System Trainer for Jackson ANGB, but will not be an entire MTS suite. This funding is not included in numbers below, see P-3A Mod# 0288 for funding and details.

FY	2001	FY 2	2002	FY 2	2003	To Co	nplete	Total	Costs
QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
		1	9.800	4	60.000	6	116.100	11	185.900
	41.900		12.200		25.000		48.400		127.500
	41.900	1	22.000	4	85.000	6	164.500	11	313.400
	0.000		2.500		0.500		1.000		3.500
	2.400		2.800		2.000		7.500		7.900
	2.400		5.300		2.500		8.500		11.400
	44.300	1	27.300	4	87.500	6	173.000	11	324.800
		0.000 2.400 2.400	QTY COST QTY 1 41.900 41.900 1 0.000 2.400 2.400	QTY COST QTY COST 1 9.800 41.900 12.200 41.900 1 22.000 0.000 2.500 2.400 2.800 2.400 5.300	QTY COST QTY COST QTY 1 9.800 4 41.900 12.200 41.900 1 22.000 4 2.500 2.400 2.800 2.400 5.300	QTY COST QTY COST 1 9.800 4 60.000 41.900 12.200 25.000 41.900 1 22.000 4 85.000 2.400 2.800 2.000 2.400 5.300 2.500	QTY COST QTY COST QTY 1 9.800 4 60.000 6 41.900 12.200 25.000 25.000 41.900 1 22.000 4 85.000 6 0.000 2.500 0.500	QTY COST QTY COST QTY COST 1 9.800 4 60.000 6 116.100 41.900 12.200 25.000 48.400 41.900 1 22.000 4 85.000 6 164.500 0.000 2.500 0.500 1.000 7.500 2.400 2.800 2.000 7.500 2.400 5.300 2.500 8.500	QTY COST QTY COST QTY COST QTY 1 9.800 4 60.000 6 116.100 11 41.900 12.200 25.000 48.400 48.400 41.900 1 22.000 4 85.000 6 164.500 11 0.000 2.400 2.800 2.000 7.500 7.500 2.400 5.300 2.500 8.500 8.500

P-1 Shopping List Item No. 05

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.4, page 16 of 16

Exhibit P-40, Budget Item	n Justifica	tion								Date: Februar	y 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	ber					F	-1 Line Item No	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 02, Air	lift Aircr	aft, Item I	No. 06		C-17 Adva	nce Procur	ement	
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To	Comp	Total
Proc Qty	A											
Cost (\$ M)												
Interim Ctr Support (\$ M)												
Advance Proc Cost (\$ M)		2229.800	257.233	371.000	391.890	525.400	802.900	1066.40	0 979.000		0.000	6623.623
Weapon System Cost (\$ M)		2229.800	257.233	371.000	391.890	525.400	802.900	1066.40	0 979.000		0.000	6623.623
Initial Spares (\$ M)			0.000	0.000	0.000	0.000	0.000	0.00	0.000		0.000	0.000
Total Proc Cost (\$ M)		2229.800	257.233	371.000	391.890	525.400	802.900	1066.40	0 979.000		0.000	6623.623
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

FY 03-07 budget reflects the DoD planned follow-on acquisition of 60 additional aircraft, which will provide an additional increment of needed airlift capability to meet both strategic (long range) and tactical (theater) requirements. This acquisition will be a multi-year procurement contract of six years duration. The strategy is to provide funding that sustains the production and delivery rate of 15 aircraft per year that exists in the current multi-year contract. By adjusting the advance procurement funding and the cancellation ceiling provisions, payment obligations can be met that sustains the factory at the rate of 15 aircraft per year. The result is that quantity and budget profile by year is less than the factory build profile and the lead-time from full funding to first article approaches zero. Note that the funding profile for FY03 - FY08 is 4-10-11-12-14-9 while deliveries remain at the planned minimum economic production rate of 15 per year. The Advance Procurement funds appropriated for this multiyear contract will be used to procure EOQ and long-lead components, parts and materials, and fabricate and assemble the C-17 aircraft in order to capitalize on economic purchases and maintain efficient production rates.

FY 2003 Program Justification

FY03 advance procurement funding will provide for the CFE and GFE for ten FY04 production aircraft.

P-1 Shopping List Item No. 06

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

				ONCEA	JOII ILD						
ance Proc	urement Re	quirements	Analysis						Date: Febru	uary 2002	
			vity 02, /	Airlift Airc	craft, Item	า No. 06				urement	
					First System	Award Date	<u>ء</u>		First System		Date
						Jan-	-03			Jun-04	
				· · ·	 						
<u>PLT</u>	When Rqd	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
		70	12	15	12	10	11	. 12	14	9	165
	'	2051.400	221.100	177.100	162.490	338.700	670.800	1027.100	957.600		5606.290
		178.400	36.133	13.000	17.600	27.800	38.500	39.300	21.400	1	372.133
	'	1		180.900	211.800	158.900	93.600	1		1	645.200
		1		<u> </u>						1	i
											<u> </u>
		<u> </u>		<u></u> J		<u> </u>		<u>T</u>			<u> </u>
		2229.800	257.233	371.000	391.890	525.400	802.900	1066.400	979.000	[<u></u> _	6623.623
•		-	•					•	•		
n	PLT PLT e funding that	PLT When Rqd PLT when Rqd Put when Rqd Put when Rqd Put when Rqd	PLT When Rqd Prior Years 70 2051.400 178.400 e funding that sustains the production at	PLT When Rqd Prior Years FY 2001 70 12	Comparison Control Number Control	Sin Millions PLT When Rqd Prior Years FY 2001 FY 2002 FY 2003		Annote Procurement Requirements Analysis Anal	P-1 Line Item No. 06 P-1 Line Item No. 06	Date: Februal P-1 Line Item Nomenclature P-1 Line Item P-1 Line Item Nomenclature P-1 Line Item P-1 Line Item P-1 Line Item P-1 Line	Date: February 2002 P-1 Line Item Nomenclature P-1 Line Item Nomencl

The strategy is to provide funding that sustains the production and delivery rate of 15 aircraft per year that exists in the current multi-year contract. By adjusting the advance procurement funding and the cancellation ceiling provisions, payment obligations can be met that sustains the factory at the rate of 15 aircraft per year. The result is that quantity and budget profile by year is less than the factory build profile and the lead-time from full funding to first article approaches zero. Note that the funding profile for FY03 - FY08 is 4-10-11-12-14-9 while deliveries remain at the planned minimum economic production rate of 15 per year. The Advance Procurement funds appropriated for this multiyear contract will be used to procure EOQ and long-lead components, parts and materials, and fabricate and assemble the C-17 aircraft in order to capitalize on economic purchases and maintain efficient production rates.

First System Award Date reflects the planned Lot XV (FY03 aircraft buy) contract obligation date.

First System Completion Date reflects the first aircraft delivery for Lot XV (FY03 aircraft buy).

FY 2003 Program Justification

FY03 advance procurement funding will provide for the CFE and GFE for ten FY04 production aircraft.

P-1 Shopping List Item No. 06

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

Exhibit P-10 p.2, A (Page 2 - Budget J		rement R	equirement	s Analysis	1					Date: Febr	ruary 2002	
Appropriation (Treasury)) Code/CC/BA/BSA								P-1 Line Item N			
Aircraft Procure	ement, Air F	orce, B	udget Act	<u>.ivity 02, /</u>	<u> Airlift Air</u>	<u>/craft, Iten</u>	<u>ก No. 06</u>		C-17 Adva	ince Proc	<u>curemen</u>	<u>.t</u>
Weapon System												
C-17AP												
						in Millions)						!
i	ļ	1			<u>2001</u>			2002			2003	
i	ļ	1			<u>Contract</u>	<u>2001 Total</u>		<u>Contract</u>	<u>2002 Total</u>		<u>Contract</u>	<u>2003 Total</u>
	ļ	1			<u>Forecast</u>	Cost		<u>Forecast</u>	<u>Cost</u>		<u>Forecast</u>	<u>Cost</u>
Description	<u>PLT</u>	<u>OPA</u>	<u>Unit Cost</u>	2001 OTY	<u>Date</u>	Request	2002 QTY		Request			Request
End Item	/						15	Jan-02	228.100	12	Jan-03	391.900
<u> </u>												
<u> </u>												
CFE	/				 	221.100		 	177.100			162.490
GFE						36.133			13.000			17.600
<u> </u>												
							т	т—	1 400,000	т	т	211.000
EOQ								 	180.900	 	 	211.800
Design							 	 		 	 	
T : 1 :1:4			+		 		 	 		 	 	
Term Liability			+	+		257,222		+	271 000	 	 	201.000
TOTAL AP						257.233			371.000			391.890
Description:												
												
1												
1												
1												
1												

P-1 Shopping List Item No. 06

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

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Exhibit P-40, Budget Item	n Justifica	tion								Date: Febrເ	uary 2002	
Appropriation (Treasury) Code/Co								F	-1 Line Item No	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 02, Air	lift Aircr	aft, Item	No. 07		C-17 ICS			
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Cost (\$ M)			0.000	481.763								481.763
Interim Ctr Support (\$ M)		307.000	0.000	481.763	612.452	775.613	789.918	770.46	7 662.674		1048.400	5448.287
Advance Proc Cost (\$ M)												
Weapon System Cost (\$ M)		307.000	0.000	963.526	612.452	775.613	789.918	770.46	7 662.674		1048.400	5930.050
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		307.000	0.000	963.526	612.452	775.613	789.918	770.46	7 662.674		1048.400	5930.050
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

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

FY 2003 Program Justification

The FY03 funding provides for Interim Contractor Support (ICS) for the C-17 fleet. The C-17 Flexible Sustainment program provides ICS for the airframe, including materiel management for unique spares, a wartime surge capability, and a process to rapidly incorporate aircraft modifications. The C-17 program has awarded a single overarching contract for Flexible Sustainment to include all initial spares support. 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 1

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Exhibit P-40, Budget Item	n Justificat	ion								Date: Febru	ary 2002	
Appropriation (Treasury) Code/C0	C/BA/BSA/Iter	n Control Nun	nber					P-1	1 Line Item No	menclature		
Aircraft Procurement	t, Air For	E	C-130J									
Program Element for Code B	ed Program	Elements:		41132F								
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	0	0			4							
Total Proc Cost (\$ M)		226.487	89.179	0.000	0.000	0.000	0.000	0.000	0.000			315.666

Description

NOTE: FY01 Proc Qty should be 1.

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. Eight EC-130Js will replace the eight EC-130Es (ANG) based at Harrisburg, PA.

Lockheed Martin Aero-Marietta provides the basic C-130J platform to the Air Force. Lockheed Martin Aero-Palmdale then converts the aircraft into the EC-130J configuration. All eight aircraft will receive aircraft generator and intercom upgrades, an augmented crew station, and the installation of an in-flight refueling receptacle. Six aircraft will also undergo a mission equipment integration effort which includes removing existing special mission equipment from six EC-130E Commando Solos and installing it on the new EC-130J airframes. The remaining two aircraft are referred to as EC-130J Super Js.

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

Logistics and training support for the EC-130J aircraft are included in the FY03 C-130J budget request.

FY 2003 Program Justification

P-1 Shopping List Item No. 08

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

Exhibit P-5, Weapon System Cost Analysis								Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item I	Nomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 02	2, Airlift Ai	rcraft, Ite	m No. 0	8	EC-130J			
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed Martin Aero-Marietta, Marietta GA				EC-130J (BP	AC 10400I	Ξ)				
Weapon System	Ident		•	,	Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	1		59.600						
Aircraft Conversion	A			15.750						
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A			0.760						
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A			76.110						
Airframe Peculiar Ground Support Equipment	A			3.099						
(PGSE)				2.100		1		<u> </u>		
Engine PGSE	A			3.100		-				
Peculiar Training Equipment	A							!		
Publications/Technical Data	A			-						
ECOs	A					-				
ISS	A			5.432		-				
Other	A			1.436		-				
SUPPORT COST SUBTOTAL	A			13.067						
TOTAL PROGRAM				89.177		1				
	· · · · · · · · ·			07.117		•	•	-	1	
Comments										
			P-1 Shoppin	a Liet Itom N	lo 08			Waana	n System Co	et Analysi
			r - i Shuppini	y List itelli IV	10. 00			_	Exhibit P-5,	-

Exhibit P-5A, Procuremen									Dat	e: Februa	ry 2002	
Appropriation (Treasury) Code/CC/						4		P-1 Line Item		clature		
Aircraft Procurement,	Air F	orce, B	udget Acti	ivity 02,	Airlift Ai	rcraft, Iten	n No. 08	EC-130J				
Weapon System					Subline Ite:	m						
EC130J												
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Loca	Aw ntion Dat		Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	1		WPAFB		C	FFP	Lockheed Martin Aeronautical System Marietta GA	De	ec-97	Oct-99	Yes	Tivanaore.
Lockheed Martin Aeronautical Systems	1	48.200	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		ec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1		WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA		ıl-99	Jun-00	Yes	
Lockheed Martin Aeronautical Systems	1	53.620	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical System Marietta GA	II	ar-00	Dec-01	Yes	
Lockheed Martin Aero-Marietta	1	59.600	WPAFB	May-00	С	FFP	Lockheed Martin Aeronautical System Marietta GA		ec-00	Nov-02	Yes	
Remarks	•	•	•	•	•	•	•			•	•	,
All EC-130J funding has been Of the five aircraft appropriate Lockheed Martin Aeronautical	d to dat	e, three wil	ll be delivered	in the Com	nmando Solo	o configuration	•	•		rsion) aircr	aft.	
				P-	1 Shopping	g List Item No	o. 08		Procu		-	d Planning page 3 of 5

Exhibit P-21, Product	ion Sch	nedule																				Da	te: F	ebru	ıary	200	2		
Appropriation (Treasury) Cod	de/CC/BA	/BSA/Ite	m Control	Number														T	P-1 Li	ne Ite	em N	lomer	nclatu	re					
Aircraft Procurem	ent, A	ir Fo	rce, Bu	idget A	ctiv	ity	02 , <i>i</i>	<u> Airl</u>	ift /	۱irc	raf	t, It	em	No	. 08				EC-	130)J								
	S		ACCEP.	BALANCE		****			FISC	CAL Y	EAR 2										FIS		YEAR						L
PROCUREMENT YEAR	E R V	PROC. QTY	PRIOR TO 1 OCT 2000	DUE AS OF 1 OCT 2000	O C T	2000 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	R 200 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 A P R	M A Y	J U N	J U L	A U G	S E P	A T E R
2000																				1									0
TOTAL																	\vdash			1		-							1
TOTAL	OTAL 2 0 2 0 J O D J C O E A T V C N										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	CUREN		LEAL	TIMI	E				- 11				
ITEM/MANUFACTURER'S NAM	E	ON	MIN SUST	SHIF HOU DAY	RS	M A X	RI	EACHI D+	ED							ADN LEAD		Ξ		MFG			TOTA! AFTEI						
Lockheed Martin																	IOR ICT	AF 1 C	ΓER OCT		TIME	5		1 OCT					
	INITIAL REORDER																												
REMARKS																													

Deliveries above are for the basic aircraft from Lockheed Martin Aero-Marietta. The aircraft are then sent to Lockheed Skunkworks for EC-130J conversion.

Three aircraft are currently at Lockheed Martin Aero-Palmdale. The first Super J will deliver to Baltimore in Jul 02. It will be temporarily based at Baltimore until the second Super J delivers in Nov 02. Both aircraft will then be sent to Harrisburg PA for the 193rd SOW's unit conversion. The first Commando Solo will be delivered to Harrisburg in Apr 03.

P-1 Shopping List Item No. 08

Production Schedule Exhibit P-21, page 4 of 5

								U	NC	LAS	SSIF	FIEI	D																
Exhibit P-21, Product	ion Sch	nedule																				Dat	te: F	ebru	Jary	200	2		
Appropriation (Treasury) Co	de/CC/BA	/BSA/Ite	m Control	Number														F	P-1 Li	ne Ite	em N	omer	nclatu	ıre					
Aircraft Procurem	ent, A	ir For	ce, Bu	idget A	ctiv	ity	02 , <i>I</i>	Airl	ift /	Airc	raf	t, It	em	No	. 08	}			EC-	130	J								
	S		ACCEP.	BALANCE					FISC	CAL Y											FIS	CAL `							L
PROCUREMENT YEAR	E	PROC.	PRIOR TO	DUE AS OF	0	2002 N	D	J	F	М	A	CALE M	NDAI J	R YEA J	R 200 A	3 S	0	N	D	I	F	M CA	LEN A	DAR Y M	EAR 2	<u>2004</u> Ј	Α	S	A T
THOUGH LINE TENE	R V	QTY	1 OCT 2002	1 OCT 2002	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
2001	USAF	1	0			1	-																						0
TOTAL		11_	0	11_	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	0
		ı		PRODUCTION	T	V	С	N	В	R	R	Y	N	L	G	P	T	V	C	N	В	R	R	Y	N	L	G	P	
				MIN	SHIF		M	1								PROC	AD!		LEAL) I IIVII	2								
TEEN AMANUTEA CEUDEDIG MANA															TIME	Ξ		MFG			TOTAL								
Lockheed Martin PRIOR AFTER															TIME			AFTER 1 OCT											
1 OCT 1 OCT																				┨									
INITIAL REORDER																		<u> </u>											
REMARKS																													

Production Schedule Exhibit P-21, page 5 of 5

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Exhibit P-40, Budget Item	1 Justificat	ion							Г	Date: Febru	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	nber	•				P-1	I Line Item Nor	menclature		
Aircraft Procurement	t, Air For	ce, Budg	C-	-130H								
Program Element for Code B	Items:	N/A		PE: 040111	15F							
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A	N/A		<u> </u>								N/A
Total Proc Cost (\$ M)		6.994	0.000	0.000	28.241	0.000	0.000	0.000	0.000			35.235

Description

- 1. C-130H is for the immediate and responsive air movement and delivery of combat troops and supplies directly in objective areas through airland, extraction, airdrop or other delivery techniques. Provides air logistic support for all theater forces, including those engaged in combat operations.
- 2. The C-130 AMP was restructured in the FY03 APOM and has undergone a production schedule slippage to FY07. As a result of the changes in AMP, these BP10 funds are now inappropriately programmed. They should be realigned to BP11 to fund modifications that would have been completed under AMP had it actually begun production in FY02. C-130 simulators need to be upgraded to FAA Level C+ as a prerequisite to modification to C-130X configuration. Although the Traffic Alert & Collision Avoidance System (TCAS) was originally included in the AMP, it now needs to be completed separately from and in advance of AMP. This is necessary to meet the February 97 recommendation of the White House Commission on Aviation Safety and Security, implemented by CSAF directive of March 97, for all passenger and troop carrying aircraft to have TCAS prior to FY05. Proper alignment is shown below.

FY03

BP11

Simulator Upgrade \$8.1M

(Prerequisite to AMP)

TCAS (20 kits) \$10.572

FY 2003 Program Justification

FY03 funding is required to complete necessary modifications displaced by the restructuring of the C-130 AMP.

P-1 Shopping List Item No. 09

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

Exhibit P-5, Weapon System Cost Analysi								Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item I	Nomenclature		
Aircraft Procurement, Air Force, Bu	udget A	ctivity 0	2, Airlift A	ircraft, Ite	m No. 09	9	C-130H			
Manufacturer's Name/Plant City/State Location			•	Subline Item		•				
Weapon System	Ident			•	Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics										
Armament										
Software										
Other Government Furnished Equipment (GFE)										
Engineering Change Orders (ECO)										
Nonrecurring Costs										
Other Costs										
FLYAWAY COST SUBTOTAL										
Airframe Peculiar Ground Support Equipment										
(PGSE)										
Engine PGSE										
Peculiar Training Equipment										
Publications/Technical Data										
ECOs										
Other										
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM										
Comments										
Comments										
			P-1 Shoppir	ng List Item I	No. 09			Weapo	n System Co	st Analysi
									Exhibit P-5,	page 2 of 2

Exhibit P-40, Budget Item	า Justifica	tion							[Date: Febru	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	ber					P-1	Line Item Nor	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 02, Air	lift Aircra	aft, Item	No. 10	C-	·130J			
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		41132F			
	FY 2006	FY 2007		To Comp	Total							
Proc Qty											97	134
Cost (\$ M)		164.402	910.501	812.417	816.732		TBD	TBD				
Advance Proc Cost (\$ M)		0.000			30.000	0.000	0.000	0.000	0.000		TBD	TBD
Weapon System Cost (\$ M)		164.402	205.406	159.882	175.923	412.201	910.501	812.417	816.732		TBD	TBD
Initial Spares (\$ M)		70.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000	70.169
Total Proc Cost (\$ M)		234.571	205.406	159.882	175.923	412.201	910.501	812.417	816.732		TBD	TBD
Flyaway Unit Cost (\$ M)		44.200	63.545	71.260	0.000	68.300	68.659	72.723	72.739		TBD	TBD
Wpn Sys Unit Cost (\$ M)		82.201	86.763	99.432	0.000	83.901	79.211	78.862	81.476		TBD	TBD

Description

NOTE: \$30M in FY03 should be a separate P-1 advance procurement line item.

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 2003 Program Justification

Note: FY 2002 Proc Qty should read '1'. \$291.2M was added by Congress in FY 2002 in the National Guard Reserve Equipment Account (NGREA) for four C130Js. The C-130J five year option contract provides options for aircraft procurement and for spares and support via the Reengineered Supply Support Process (RSSP). This contract incorporates all supply support requirements, including all spare parts, determined by collected failure rates. The contractor provides all spare parts as a service under this contract to achieve an 86% fleet-wide mission capable rate. In FY00 the funds across the FYDP previously identified for initial spares were transferred in total to the C-130J procurement line to fund this 'spares as a service' concept, referred to as Interim Supply Support (ISS). ISS funding is shown on Exhibit P-5.

The 2003 budget provides for program management, logistics, and training support for the 37 Air Force-wide C-130J aircraft fleet. This includes 10 WC-130Js, 5 EC-130Js, and 26 C-130J/J-30s. Only the two FY96 C-130Js are included in the prior years column. Thirteen ANG C-130Js were previously procured via the NGREA and are not included in the prior years column above. Data for the WC-130Js and EC-130Js are provided in separate budget exhibits.

The Department of Defense has authorized the USAF to pursue a C-130J multiyear procurement (MYP) program in FY 2003. This plan commits the USAF to 40 C-130J-30s from FY04 to FY08 with an economic order quantity (EOQ) payment due in FY03. Lockheed will deliver these aircraft under an accelerated plan from CY 2005 to CY 2008. To prepare for these accelerated deliveries, the USAF, will procure the necessary training systems for the C-130J schoolhouse at Little Rock AFB, AR, fund required C-130J militrary construction projects, and fund the EOQ needed to kick off the multiyear program. These FY 2003 projects will be started in lieu of buying the two planned aircraft

P-1 Shopping List Item No. 10

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

Exhibit P-40, Budget Item Justification	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10	C-130J

FY 2003 Program Justification Continued

in FY 2003.

Lockheed and the warfighter have both agreed this is an acceptable approach in stabilizing the C-130J program.

Aircraft	Qty	FY	Comment
C-130J	2	94	AF swapped 2 FY93 C-130H3 with ANG for these aircraft. Aircraft now in AFRC. (Funded in the NGREA)
C-130J	2	96	Included in Prior Years column above. Aircraft now in AFRC
WC-130J	3	96	AFRC
C-130J	4	97	ANG (Funded in the NGREA)
WC-130J	4	97	AFRC (One was an active duty C-130J redesignated as a WC-130J, provided to AFRC, and is included in
			Prior Years column on the WC-130J P-40)
EC-130J	1	97	ANG
C-130J	4	98	ANG (Funded in the NGREA)
WC-130J	2	98	AFRC
EC-130J	1	98	ANG
C-130J-30	3	99	ANG (Funded in the NGREA)
WC-130J	1	99	AFRC
EC-130J	1	99	ANG
EC-130J	1	00	ANG
C-130J-30	2	01	ANG Congressional director to base aircraft at a western states firefighting ANG unit (Channel Islands CA)
EC-130J	1	01	ANG
C-130J-30	1	02	AETC (Active Duty)
C-130J-30	1	02	AFRC (Funded in NGREA)
C-130J-30	3	02	ANG (Funded in NGREA)
TOTAL	37		

P-1 Shopping List Item No. 10

Budget Item Justification Exhibit P-40, page 2 of 13

Exhibit P-5, Weapon System Cost Analysis	s							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	omenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 02	, Airlift Air	craft, Iter	m No. 10		C-130J			
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed Martin Aero-Marietta				C-130J (BPA	C 10400C)					
Weapon System	Ident		•	`		st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	2	62.800	125.600	1	70.500	70.500	0		0.000
Replacement C-130J aircraft for ANG C-130H2s	A									
being										
EOQ	A									30.000
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A			1.490			0.760			
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A			127.090			71.260			30.000
Airframe Peculiar Ground Support Equipment	A			0.498			0.781			0.649
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A	2		29.367	1		13.261	7		90.220
Publications/Technical Data	A			0.509			0.930			0.957
ECOs	A									
ICS	A			4.685			7.255			9.419
ISS	Α			34.263			55.016			35.891
Data	A			1.206			2.547			1.379
Post Delivery Support	A			0.732			3.096			3.583
Organic Depot Support	A									
Other	A			7.056			5.736			3.825
SUPPORT COST SUBTOTAL	A			78.316			88.622			145.923
Less prorated FY03 EOQ	A									

P-1 Shopping List Item No. 10

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

Exhibit P-5, Weapon System Cost A			Date:	February 2002			
Appropriation (Treasury) Code/CC/BA/BSA/Item					P-1 Line Item Nomencla	ature	
Aircraft Procurement, Air Ford	e, Budget Activ	ity 02, Airlift	Aircraft, Item No	. 10	C-130J		
TOTAL PROGRAM			205.406		159.882		175.923
Comments							
The C-130J MYP will go on contract with	a \$30M EOO in FY03	3. 40 aircraft will l	be procured FY04-FY0	8. Deliveries t	From CY05-CY08.		
The C 1600 H211 Will go on Continue Will	. 40 0111 20 Q 1111 1 00		province in the interest				
Effective 1 Oct 99, initial spares requirement	ents migrated to Interir	n Supply Support	(ISS) under the Reening	geered Supply	Support Process (RSSP) umbrella in BP10).
Funds have been added in FY04 and FY05	to buy 4 C-130Js (1 in	n FY04, 3 in FY05	b) to replace 4 C-130H2	2s that will be t	aken out of the Air Nat	ional Guard and co	onverted to
AC-130U Gunships.							
		P-1 Shopp	ing List Item No. 10		We	apon System Co	ost Analysis
						Exhibit P-5,	oage 4 of 13

Exhibit P-5A, Procurement	Histo	ry and Pla	anning						Daf	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC/NAircraft Procurement,				ivity 02,	Airlift Air	craft, Item		P-1 Line C-130	Item Nomer	nclature		
Weapon System					Subline Iten	n						
C-130J												
WBS Cost Elements	Qty	Unit Cost	Location of PCO		Contract Method	Contract Type	Contractor and Locat	tion	Award Date	Date of First Delivery		Date Revisions Available?
Lockheed Martin Aeronautical Systems FY96	2		WPAFB	1	С	FFP	Lockheed Martin - A Marietta, GA 30063	Aero,	Nov-96	Jan-99	Yes	rivanaore.
Lockheed Martin Aeronautical Systems FY01	2	62.800	WPAFB	May-00	С	FFP	Lockheed Martin - A Marietta, GA 30063		Dec-00	Apr-02	Yes	
Lockheed Martin Aeronautical Systems FY02	1	70.500	WPAFB	May-00	С	FFP	Lockheed Martin - A Marietta, GA 30063				Yes	
				•		-					•	

Remarks

Air Vehicle:

- a. Two FY96 aircraft were the initial cadre of aircraft procured under the 1st Five Year Option Contract (FYOC). The engines are being provided as Contractor Furnished Equipment (CFE) and are included in the air vehicle price.
- b. The current Five Year Option Contract was awarded in Dec 00. The two FY01 aircraft were the initial orders on this contract.
- c. Lockheed Martin Aeronautical Systems became Lockheed Martin Aero-Marietta in FY 00.
- d. One FY97 Air Force active duty C-130J was designated a WC-130J and provided to AFRC.
- e. All combat delivery aircraft after FY99 will be procured as C-130J-30 stretch versions. .
- f. Planned buys: FY04-08 on a multiyear contract (3 ANG and 1 AFRC aircraft will also be procured in FY02)

FY 02 03 04 05 06 07 08

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P-1 Shopping List Item No. 10

Procurement History and Planning Exhibit P-5A, page 5 of 13

Exhibit P-21, Product	ion Scl	hedule																				Dat	e: F	ebru	ıary	200	2		
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Aircraft Procurem	ent, A	ir For	ce, Bu	idget A	ctiv	ity	02, /	4irl	ift /	۱irc	raf	t, It	em	No	. 10)			C-1	30J									
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1996	USAF	2	2	0																									0
2001	USAF	2	0	2																			1	1					0
2002	USAF	1	0	1																									1
2003																									0				
2004																								4					
2005 USAF 9 0 9																									9				
2006	USAF	9	0	9													\sqcup												9
2007	USAF	9	0	9													\sqcup												9
TOTAL		36	2	34																			1	1					32
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P-1 Shopping List Item No. 10

Production Schedule Exhibit P-21, page 6 of 13

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Production Schedule Exhibit P-21, page 7 of 13

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2003 2004	USAF USAF	0 4	0	Ŭ					1	1		1	1																0
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2006	USAF USAF	9	0																					1			\vdash	1	7 9
TOTAL	CD/11	31	0						1	1		1	1		1	1	1		1	1		1	1	1	1		1	1	16
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Production Schedule Exhibit P-21, page 8 of 13

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Date: February 2002 Propriation (Treasury) Code/CC/BA/BSA/Item Control Number C-130J																													

Production Schedule Exhibit P-21, page 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. 10 Date: February 2002 P-1 Line Item Nomenclature C-130J

Weapon System C-130J

Equipment Nomenclature: Unit Training Device (UTD)

		()						
Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	2	1	7	4	1	0	1	16
Proc	29.367	13.261	90.220	57.240	13.260	0.530	22.050	225.928

TRAINING SYSTEM DESCRIPTION

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

Required Training Devices

- FY99 1 Weapon System Trainer (on contract)
- FY01 1 Weapon System Trainer (on contract), 1 Avionics Systems Management Trainer (on contract)
- FY02 1 Loadmaster Fuselage Trainer
- FY03 1 Weapon System Trainer, 1 Cockpit Procedures Trainer, 1 Integrated Cockpit System Maintenance Trainer, 1 Engine/Propeller Maintenance Trainer, 1 Flight Control Maintenance Trainer, 2 Landing Gear Maintenance Trainers
- FY04 1 Weapon System Trainer, 1 Integrated Cockpit System Maintenance Trainer, 1Engine/Propeller Maintenance Trainer, 1 Flight Control Maintenance Trainer
- FY05 1 Loadmaster Fuselage Trainer

FY06 -

FY07 - 1 Weapon System Trainer

P-1 Shopping List Item No. 10

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 10 of 13

Exhibit P-43 p.2, Sir	mulator and Tra	aining Device	Justification	(\$ M)				Date: F	ebruary 2002	2
Appropriation (Treasury) C Aircraft Procure				2, Airlift Ai	rcraft, Item	No. 10	P-1 Line C-13 (e Item Nomenclat DJ	ure	
Weapon System C-13	0J									
Equipment Nomencla	ture: Unit Train	ing Device (U	ΓD)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY 2	2003
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT						
AIRCREW	KAFB, MS	Oct-02	Feb-03	40						
AIRCREW	LRAFB, AR	Oct-03	Feb-04	40	2	25.472				
AIRCREW	LRAFB, AR	Mar-04	Jun-04	40			1	12.500		
AIRCREW	LRAFB, AR	Dec-04	Mar-05	40					2	33.220
MAINTENANCE	LRAFB,AR	Dec-04	Mar-05	40					5	55.480
TOTAL					2	25.472	1	12.500	7	88.700

P-1 Shopping List Item No. 10

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

Exhibit P-43 p.3, Simulator a	and Training	Device Jus	tification (\$ 1	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/B/Aircraft Procurement, A			tivity 02, /	Airlift Aircr	aft, Item N	o. 10	P-1 Line Ite C-130J	em Nomenclature	,	
Weapon System C-130J										
Equipment Nomenclature: Air	rcrew Trainer	. 'S								
Description:										
The first Weapon System Traine Little Rock AFB, AR. Once airc						•	continuation tr	raining.		
FINANCIAL PLAN	FY 20	001	FY 2	.002	FY 20	003	To Com	ıplete	Total C	Costs
PHVAINCIAL I LAIV	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
WST	1	18.441			1	19.500	TBD	TBD	TBD	TBD
Avionics Sys Trainer	1	7.031					TBD	TBD		
Fuselage Trainer			1	12.500			TBD	TBD		
Cockpit Procedures Trainer					1	13.720	TBD	TBD		
Total Hardware Costs	2	25.472	1	12.500	2	33.220	0	0.000	0	0.000
Support Costs										
Aircrew Courseware										
Currency Mgt		0.521		0.450		0.470				
Other		3.374		0.311		1.050				
Total Support Costs		3.895		0.761		1.520				
TOTAL COSTS	2	29.367	1	13.261	2	34.740	0	0.000	0	0.000

P-1 Shopping List Item No. 10

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

Exhibit P-43 p.4, Simulator	and Trainin	g Device Jus	stification (\$	M)				Date: Fe	bruary 2002	2
Appropriation (Treasury) Code/CC/6	BA/BSA/Item Co	ontrol Number					P-1 Line	Item Nomenclature)	
Aircraft Procurement,	Air Force,	Budget A	ctivity 02,	Airlift Airc	raft, Item N	o. 10	C-130	J		
Weapon System C-130J										
Equipment Nomenclature: M	Laintenance									
Description:										
Maintenance training is part of	the C-130J M	aintenance and	Aircrew Train	ning System. F	ive maintenanc	ce trainers will b	e procured	in FY03, all dest	ined for Littl	e Rock AFB,
AR. Support for maintenance	training is incl	luded in the air	crew training	support line.						
FINANCIAL PLAN	FY	2001	FY	2002	FY 2	.003	To Co	omplete	Total	Costs
TIVANCIALTEAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Integrated Cockpit					1	18.500		TBD		TBD
Procedures Trainer										
Engine/Propeller Trainer					1	12.780				
Flight Control Trainer					1	14.850				
Landing Gear Trainer					2	9.350				
Total Hardware Costs					5	55.480		0.000		0.000
Support Costs										
								TBD		TBD
Total Support Costs								0.000		0.000
								TBD		TBD
TOTAL COSTS					5	55.480		0.000		0.000

P-1 Shopping List Item No. 10

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 13 of 13

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FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 03 – TRAINER AIRCRAFT FEBRUARY 2002

PAGE 3 - 0

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Exhibit P-40, Budget Iten	n Justifica	tion								Date: February 2002				
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	ber					P-	Line Item No	menclature				
Aircraft Procuremen	t, Air Foi	ce, Budg	et Activi	ty 03, Tra	ainer Airo	craft, Iter	n No. 11				ing			
P-1 Line Item Nomenclature P-1 Line Item														
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 11 Program Element for Code B Items: ID Code Prior Years FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp Total Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 97 34 40 35 52 53 54 50 39 Proc Qty A 98 98 98 98 98 98 98														
P-1 Line Item Nomenclature														
Program Element for Code B Items: N/A Other Related Program Elements: 64233F (RDT&E)														
Advance Proc Cost (\$ M)		0.000								0.000	0.000			
Weapon System Cost (\$ M)		442.800	133.996	223.702	209.879	302.800	313.605	344.149	303.250	222.700	2496.881			
Initial Spares (\$ M)		0.000	0.000	0.000	39.933	9.059	8.886	0.258	7.413	30.500	96.049			
Total Proc Cost (\$ M)		442.800	133.996	223.702	249.812	311.859	322.491	344.407	310.663	253.200	2592.930			
Flyaway Unit Cost (\$ M)		3.250	2.547	4.575	4.823	4.861	5.025	5.159	5.101	5.271	4.430			
Wpn Sys Unit Cost (\$ M)		3.827	2.629	4.883	5.246	5.077	5.226	5.348	5.238	5.382	4.713			

Description

Supports Air Education and Training Command's (AETC) implementation of Specialized Undergraduate Pilot Training (SUPT) and the Department of Defense initiative for joint pilot training. The Joint Primary Aircraft Training System (JPATS) is a joint USAF/USN venture to replace the Services' fleets of primary trainer aircraft (T-37/T-34 respectively) and associated Ground Based Training Systems (GBTS). The USAF's T-37 aircraft average over 35 years of age. The T-37s have an antiquated suite of increasingly unsupportable and non-representative avionics, as well as noisy, underpowered and fuel-inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The JPATS T-6A aircraft offers a pressurized cockpit, anti-g suit, a 0/0 ejection seat, and increased birdstrike protection. The USAF is the Executive Service for JPATS. The Air Force has accelerated JPATS acquisition in FY2004 through FY2007 to allow an earlier beddown of the T-6A and earlier retirement of the T-37B.

FY 2003 Program Justification

Will procure aircraft and associated support based on availability of FY 2003 funds. Aircraft are required to continue training at Vance AFB, OK. Engineering Change Order (ECO) and Low Cost Modification funding will be used to cover planned retrofits and other changes resulting from the flight test program, deficiency reports, air vehicle engineering improvements such as the Terrain Collision Avoidance System (TCAS) and the Ground Based Training System (GBTS) upgrades. The Training Integration Management System (TIMS) being acquired with FY2002 Aircraft Procurement, Air Force funds (requested for JPATS) will be used at Sheppard AFB, TX, by the Euro-NATO Joint Jet Pilot Training (ENJJPT) Program, an international cooperative program that trains both United States Air Force and allied participating NATO Air Force students. The NATO participating Air Forces will reimburse the United States in FY2004. Initial spares funding in FY03 include the option to buy out the Contractor Operated and Maintained Base Supply (COMBS). The intial spares include phased buy out in FY03 for activated bases, then a phased-by-base activation schedule for remaining bases.

P-1 Shopping List Item No. 11

Budget Item Justification Exhibit P-40, page 1 of 14

Exhibit P-5, Weapon System Cost Ana	alysis							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item C Aircraft Procurement, Air Force		ctivity 03	, Trainer <i>i</i>	Aircraft, It	tem No. 1	1	P-1 Line Item N Joint Prin System (J	nary Airc	raft Traini	ng
Manufacturer's Name/Plant City/State Locat	ion			Subline Item		-	•	•		
Raytheon Aircraft Company/Wichita/Kansas	s									
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A	34	2.624	89.200	40	4.575	183.000	35	4.823	168.800
FLYAWAY COST SUBTOTAL	A			89.200			183.000			168.800
Other	A			21.396			19.700			21.048
SUPPORT COST SUBTOTAL	A			21.396			19.700			21.048
Ground Based Training System	A			23.400			21.200			22.000
Initial Spares	A									39.933
TOTAL PROGRAM				133.996			223.900			251.781

Comments

'Other' includes air vehicle support, integrated logistics support, retrofit (aircraft modification funds not included in the P-40 exhibit), and mission support.

FY02 T-6A air vehicle unit price is \$4.272 million based on the contract number F3365701C0022. This decreases the number of aircraft affordable within the funds requested in the FY02 President's Budget. (48 aircraft were requested; the number affordable is 40.) (The Unit Cost above includes Engineering Change Order (ECO), which is not reflected in the aircraft price.) The Navy purchased 12 aircraft in FY00 and 24 aircraft in FY01. Navy will buy 5-7 aircraft in FY02 with the \$30.8M Congressional add, and up to 24 aircraft in FY07 depending on funds availability and aircraft unit prices.

P-1 Shopping List Item No. 11

Weapon System Cost Analysis Exhibit P-5, page 2 of 14

Exhibit P-5A, Procurem	ent Histo	ry and Pl	anning						ate: Februa	ry 2002	
Appropriation (Treasury) Code/0				_	_			P-1 Line Item Non			
Aircraft Procuremer	nt, Air F	orce, B	udget Acti	vity 03,	Trainer A	Aircraft, Ite	em No. 11	Joint Prima	ry Aircra	ft Trainir	ng
								System (JP	ATS)		
Weapon System					Subline Iter	m					
T-6											
			Location of	RFP Issue	1	Contract		Award	Date of First	Specs Available	
WBS Cost Elements		Unit Cost		Date	Method	Туре	Contractor and Loca		Delivery	Now?	Available
Air Vehicle FY95	3	9.100	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft C Wichita, Kansas	Feb-96	6 Feb-00	Yes	
Air Vehicle FY96	6	5.600	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft C Wichita, Kansas	Sep-90	5 Jun-00	Yes	
Air Vehicle FY97	15	3.431	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	do Apr-9	7 Aug-00	Yes	
Air Vehicle FY98	22	2.959	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	Feb-98	B Dec-00	Yes	
Air Vehicle FY99	22	2.845	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	o May-9	9 Aug-01	Yes	
Air Vehicle FY00	29	2.596	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	o Jun-00	May-02	Yes	
Air Vehicle FY01	34	2.431	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	o Feb-0	May-03	Yes	
Air Vehicle FY02	40	4.274	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Dec-0	May-04	Yes	
Air Vehicle FY03	35	4.593	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas		Jun-05	Yes	
Air Vehicle FY04	52	4.630	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	So	May-06	Yes	

P-1 Shopping List Item No. 11

Procurement History and Planning Exhibit P-5A, page 3 of 14

Exhibit P-5A, Procurem	ent Histo	ry and Pl	anning						Da	ate: Februa	ry 2002	
Appropriation (Treasury) Code/ Aircraft Procureme				vity 03,	Trainer A	Aircraft, Ito	em No. 11	Joint	Primar em (JPA	y Aircraf	t Trainir	ng
Weapon System					Subline Iter	m Continued		Joysie	TIII (JF F	(13)		
WBS Cost Elements	Qty	Unit Cost	Location of	RFP Issue	Contract Method	Contract Type	Contractor and Loc	ration	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available
Air Vehicle FY05	53		ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft (Wichita, Kansas		Date	Apr-07	Yes	Trvanable
Air Vehicle FY06	54	4.914	ASC/YT WPAFB OH	1	C/FPO	FFP	Raytheon Aircraft (Wichita, Kansas	Co		Mar-08	Yes	
Air Vehicle FY07	50	4.858	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft (Wichita, Kansas	Со		Feb-09	Yes	
Air Vehicle FY08	39	5.020	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft Wichita, Kansas	Со		Mar-10	Yes	

Remarks

In constant dollars, the T-6A unit cost decreased from FY 1995 through FY 2001 (the term of the initial contract), then increased beginning in FY 2002, the first year of the follow-on contract. The increase is caused by high demand due to the commercial nature of T-6A components and relatively small T-6A quantities, the Navy's withdrawal from aircraft procurement in FY02-FY06, increased cost of materials, and a lower volume of foreign sales than was originally forecast. The follow-on contract is in accordance with FAR Part 12 and incorporates commercial payments. Prices decrease in FY07 because Navy re-enters the program and buys 24 T-6A aircraft.

P-1 Shopping List Item No. 11

Procurement History and Planning Exhibit P-5A, page 4 of 14

Exhibit P-21, Product	ion Scl	hedule																				Da	te: F	ebru	Jary	200	2		
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1996	USAF	4	4	0																									(
1997	USAF	11	4	7	1	0	1	1	2	2																			
1998	USAF	22	0				0	0	0	2	1	3	2	1	2	5	4	2											
1999	USAF	22	0															3	7	4	4	4							
2000	USAF	29	0																					4	4	2	3	1	15
2001	USAF	34	0	21							_	_																	34
2002	USAF	40	0	10																									40
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P-1 Shopping List Item No. 11

Production Schedule Exhibit P-21, page 5 of 14

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Exhibit P-21, Produc	tion Scl	hedule																				Dat	ie: F	ebru	ıary	2002	2		
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P-1 Shopping List Item No. 11

Production Schedule Exhibit P-21, page 6 of 14

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Exhibit P-21, Product	ion Scl	hedule																				Da	te: F	ebru	uary	200	2		
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P-1 Shopping List Item No. 11

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P-1 Shopping List Item No. 11

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TOTAL		143	36	107	_		4	5	3	3	3	4	4	4	5	5	5	5	4	5	3	3	3	3	4	4	4	3	12
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P-1 Shopping List Item No. 11

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Exhibit P-21, Product	ion Sch	nedule																				Dat	te: F	ebru	lary	200	2		
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2008 TOTAL	USAF	12	0	12	_	3	3	3																				-	0
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P-1 Shopping List Item No. 11

Production Schedule Exhibit P-21, page 10 of 14

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 11	Joint Primary Aircraft Training
	System (JPATS)

Weapon System T-6

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	11	6	8	8	11	8	12	64
Proc	23.400	21.200	22.000	20.800	21.800	21.500	27.500	158.200
RDT&E	23.764	1.837	1.909	1.941	1.980			31.431
O&S	2.816	12.100	18.360	21.960	25.560	28.938	31.983	141.717

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 JPATS system include the T-6A air vehicle, simulators, curricula, and contractor logistics support. This project represents the ground based training system(GBTS) portion of the system and includes courseware and a Training Integration Management System as well as aircrew training devices (simulators). The quantities above reflect procurement of all GBTS components (not only unit training devices) in the fiscal years shown

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Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 11 of 14

Exhibit P-43 p.2, Si	mulator and Tr	raining Device	Justification	n (\$ M)				Date: F	ebruary 2002	
Appropriation (Treasury) (Aircraft Procure				3, Trainer A	Aircraft, Ite	m No. 11	Joint	e Item Nomenclatu Primary Ai em (JPATS)	rcraft Trai	ning
Weapon System T-6										
Equipment Nomencla	ature: Unit Trai	ning Device (U	ΓD)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY 2	003
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
OFT	Various			_	2	5.648	2	9.693	3	12.378
IFT	Various				3	3.194	2	3.192	4	6.375
UTD	Various				3		1	1.224	1	1.202
EST	Various				1					
EPT	Various				1					
PPT	Various									
TIMS	Various				1	9.103	1	4.656		
CBTS	Various					0.331		0.324		
Visual Data Base										0.453
<u>TOTAL</u>					11	18.276	6	19.089	8	20.408

P-1 Shopping List Item No. 11

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 12 of 14

				UNCLAS	SIFIED					
Exhibit P-43 p.3, Simulator	r and Trainin	g Device Jus	tification (\$	M)				Date: F	ebruary 2002	
Appropriation (Treasury) Code/CC/	BA/BSA/Item Cor	ntrol Number					P-1 Line It	em Nomenclatu	re	
Aircraft Procurement,	Air Force,	Budget Ad	ctivity 03,	Trainer Air	craft, Item	No. 11		Primary Ai n (JPATS)	rcraft Traii	ning
Weapon System T-6										
Equipment Nomenclature: A	ircrew Traine	rs								
Description:										
Aircrew training devices include	de Operational	Flight Trainers	(OFT), Instru	ment Flight Tr	rainers (IFT), a	nd Unit Traini	ng Devices (U'	ΓD). OFT uni	t price increase	ed in FY02
due to program management fe	es being includ	led for Flight S	afety and Ray	theon. Actual	cost of OFT i	n FY02 was \$2	2.3M without p	rogram manag	gement fees. S	upport costs
in FY01 include funds for GB'	TS Managemer	nt, DSAL, Clea	ın-Up, and Aw	ard Fee. Supp	ort costs for F	Y02 to comple	tion include er	igineering char	nge order (ECC	O) costs only.
EINIANICIAI DI ANI	FY 2	2001	FY 2	2002	FY 2	2003	To Co	mplete	Total	Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
OET	2	5 6 1 0	2	0.602	2	12 279	11	42.540	22	94.022

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FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
OFT	2	5.648	2	9.693	3	12.378	11	42.540	23	84.033
IFT	3	3.194	2	3.192	4	6.375	13	28.890	26	49.286
UTD	3		1	1.224	1	1.202	9	12.990	19	24.330
EST	1						3	0.310	5	0.576
EPT	1						3	0.890	5	1.616
PPT									55	0.030
CBTS		0.331		0.324					5	2.659
TIMS	1	9.103	1	4.656				0.115	5	33.991
Visual Data Base						0.453		1.009		1.462
Total Hardware Costs	11	18.276	6	19.089	8	20.408	39	86.744	143	197.983

Support Costs										
		5.124		2.111		1.592		4.915		21.716
Total Support Costs		5.124		2.111		1.592		4.915		21.716
TOTAL COSTS	11	23.400	6	21.200	8	22.000	39	91.659	143	219.699

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Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 13 of 14

Exhibit P-43 p.4, Simulator	and Training Device Jus	stification (\$ M)				Date: Fe	ebruary 2002	2
Appropriation (Treasury) Code/CC/B Aircraft Procurement, A		ctivity 03, Trainer	Aircraft, Iter	n No. 11	Joint	Item Nomenclatur Primary Air em (JPATS)	rcraft Trai	ining
Weapon System T-6								
Equipment Nomenclature: Ma	aintenance							
Description:								
		_						
FINANCIAL PLAN	FY 2001	FY 2002	FY	Y 2003	To Co	omplete	Tota	l Costs
FINANCIALTLAN	QTY COST	QTY COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs								
	0.000					0.000		0.000
Total Hardware Costs	0.000					0.000		0.000
Support Costs								
	0.000			T ,	[0.000		0.000
Total Support Costs	0.000					0.000		0.000
				<u> </u>			<u> </u>	T
TOTAL COSTS	0.000					0.000		0.000

P-1 Shopping List Item No. 11

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 14 of 14

FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 04 – OTHER AIRCRAFT FEBRUARY 2002

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Exhibit P-40, Budget Item	n Justificat	ion								Date: February 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	m Control Num	ber					P-	1 Line Item No	menclature	
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 04, Otl	ner Aircr	aft, Item	No. 12	c	V-22 (Osp	orey)	
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		PE 1160404	4	
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	0	0	0	0	2	3	4	3	38	50
Cost (\$ M)		21.996	22.804	0.000	90.904	241.665	312.279	278.320	267.106	2428.800	3663.874
Advance Proc Cost (\$ M)		0.000	22.712	0.000	10.100	15.150	20.200	15.150	25.250	140.600	249.162
Weapon System Cost (\$ M)		21.996	45.516	0.000	101.004	256.815	332.479	293.470	292.356	2569.400	3913.036
Initial Spares (\$ M)		0.000	9.496	0.000	11.323	45.778	51.601	38.205	13.792	290.200	460.395
Total Proc Cost (\$ M)		21.996	55.012	0.000	112.327	302.593	384.080	331.675	306.148	2859.600	4373.431
Flyaway Unit Cost (\$ M)						80.413	72.102	70.793	65.494	57.500	61.600
Wpn Sys Unit Cost (\$ M)						128.698	111.020	80.131	101.065	67.600	79.100

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 Navy will procure and field 50 CV-22 aircraft and support equipment. The Air Force will fund the procurement of the basic aircraft (MV-22/ CV-22-common components), 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 qualification training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

FY 2003 Program Justification

The FY03 budget includes support elements required to support the two production representative test vehicles developed beginning in FY02 and delivered in FY04. These support elements include Airframe PGSE (\$10.0M), Engine PGSE (\$2.0M), Avionics PGSE (\$3.891M), Technical Publications (\$6.0M), Common Support Equipment (\$3.0M) and Other ILS (\$13.5M). A total of \$33.323M of initial spares will also be procured. However, \$22.0M of those funds were incorrectly loaded into the Cost line above, instead of the initial spares line. These support items have a lead time of 24 months or greater and will be used to support an operational test period in FY05-6. Upon completion of the test, these assests will be used to initiate aircrew training at the SOF schoolhouse at Kirtland AFB, NM

The FY03 budget also includes \$30.513M for training devices. Purchase of FTD#2 in FY03 will provide for aircrew training and special operations tactical development prior to aircraft arrival at Hurlburt Field.

The FY03 budget also includes \$10.1M for advanced procurement of two CV-22 aircraft to be purchased in FY04.

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

Exhibit P-5, Weapon System Cost Analys	sis							Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont							P-1 Line Item N)	
Aircraft Procurement, Air Force, E	Budget A	ctivity 04	I, Other A	ircraft, Ite	m No. 12	<u>.</u>	CV-22 (Os	sprey)		
Manufacturer's Name/Plant City/State Location				Subline Item						
Bell-Boeing / Amarillo / TX										
Weapon System	Ident				Total Cos	t In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Air Frame CFE	A	0			0		0.000			
Engines/Accessories	A			14.640						
CFE Electronics	A									
GFE Electronics	A			0.000			0.000			
Engineering Change Orders (ECO)	A			0.000						
Nonrecurring Cost	A			19.293						
TOTAL FLYAWAY COST	A			33.933			0.000			
Airframe PGSE	A			2.051						10.000
Engine PGSE	A			0.000						2.000
Avionics PGSE	A			0.495						3.891
Peculiar Training Equipment	A			0.550						30.513
Publications/Technical Data	A			0.000						6.000
Other ILS	A			5.384						13.500
Production Engr Support	A			3.099						
Common SE	A			0.000						3.000
SUPPORT COST	A			11.579						68.904
Gross P-1 Cost	A			45.512			0.000			68.904
Advance Procurement (Credit)	A			0.000			0.000			
Net P-1 Cost	A			45.512			0.000			68.904
Advance Procurement	A			0.004						10.100
Weapon System Cost	A			45.516			0.000			79.004
Initial Spares	A			9.496						33.323
TOTAL PROGRAM				55.012			0.000			112.327
Comments										
			P-1 Shoppir	ng List Item N	lo. 12			Weapo	on System Co	st Analysi

Exhibit P-5, page 2 of 12

Exhibit P-5A, Procurement	Histo	ry and Pla	anning						Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC/									Item Nome			
Aircraft Procurement,	Air F	orce, Bu	udget Acti	ivity 04,	Other Ai	rcraft, Iten	n No. 12	CV-22	2 (Ospre	∋ y)		
Weapon System					Subline Iter	m						
CV-22												
				RFP Issue	Contract	Contract			Award	Date of First		Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Туре	Contractor and Loca		Date	Delivery	Now?	Available?
FY2003 Advanced			NAVAIR		SS	Navy	Bell-Boeing, Patuxer	nt River	Mar-03			
Procurement							MD					
Flight Training Device	1	15.173	NAVAIR		SS	Navy	Bell-Boeing, Patuxer River, MD	nt	Mar-03	Aug-04	Yes	
<u>Remarks</u>												
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Exhibit P-5A, page 3 of 12

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2007	USAF	3	0		_	\vdash	\vdash	\vdash	\vdash	\vdash							<u> </u>					\top	\vdash	\vdash		\vdash	$\overline{}$	\Box	3
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Bell-Boeing		Patuxent I	River, MD	12			44	_									IOR OCT		ΓER CT		TIIVIL			1 OCT	2				
								}			INIT REO	IAL RDER							6			36	\vdash		44	}			
REMARKS					•						IKLO	ICDLIC				•													
Minimum sustaining rate includes l	MV-22 prod	luction;																											

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Production Schedule Exhibit P-21, page 5 of 12

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Production Schedule Exhibit P-21, page 6 of 12

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Exhibit P-21, Product	ion Scl	nedule																				Dat	te:	Febr	uary	200	2		
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Production Schedule Exhibit P-21, page 7 of 12

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Production Schedule Exhibit P-21, page 8 of 12

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: February 2002
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. 12	CV-22 (Osprey)

Weapon System CV-22

Equipment Nomenclature: Unit Training Device (UTD)

Equipment Montenetature. Of	int I faining Device	cc (OID)						
Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	0	0	3	2	1	1	1	8
Proc	0.595	0.000	30.513	12.395	18.779	13.471	23.863	99.616

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 qualification training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

The CV-22 Training System consists of five components:

- The CV-22 aircraft will be procured for unit level training at SOF bases
- The CV-22 Weapon System Trainer (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. A WST has a three year procurement lead-time.
- The CV-22 Operational Flight Trainer (OFT) is a full fidelity, non-motion based simulator with the same capabilities as the WST. OFTs require two year procurement lead-time
- The Cabin Part-Task Trainer (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). The CPTT requires two years procurement lead-time and is required to be in place, ready for training, when the schoolhouse opens in FY06.
- The Intermediate Multi-media Instruction-Operator (IMI-O) is software to train flight crew personnel which runs on standard office computers. The IMI-Maintenance (IMI-M) is similar but trains maintenance personnel. Each of these IMI capabilities requires two years procurement lead-time.

Procurement costs for the training systems will be split between USSOCOM (15%) and USAF (85%).

P-1 Shopping List Item No. 12

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.1, page 9 of 12

Exhibit P-43 p.2, Simu				ı (\$ M)					February 2002	2
Appropriation (Treasury) Cod Aircraft Procurem				04. Other Air	craft, Iter	n No. 12		ne Item Nomenclat 22 (Osprey)		
Weapon System CV-22								(==,-,-,-		
Equipment Nomenclatu	re: Unit Trai	ning Device (U	<u></u>							
IOC Date			,							
TRAINING	SITE	DELIVERY	READY	AVG	FY	2001	FY	2002	FY 2	2003
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
Weapon System Trainer (WST)	Kirtland	Mar-02	Sep-04	41						
Operational Flight Trainer (OFT)	Kirtland	Dec-02	Sep-04	41						
OFT	Hurlburt	Aug-04	Mar-05	62					1	15.173
Intermediate Multi-media Inst. -Operator (IMI-O)	Kirtland	May-05	May-05						1	2.387
IMI -Maintenance (IMI-M)	New River	May-05	May-05						1	8.160
Cabin Part Task Trainer (CPPT)	Kirtland	May-05	Sep-05	72						
WST	Kirtland	Nov-06	Mar-07	41						
CV-V-22 Maint. Trng. Suite (CV-VMTS)	New River	Jan-09	Jun-09							
OFT	PACOM	Nov-08	Mar-09	23						
OFT	Kirtland	Nov-07	Mar-08	23				<u> </u>		·
OFT	EUCOM	Nov-10	Mar-11	23				<u> </u>		
OFT	CONUS2	Nov-10	Mar-13	62						
ECPs & Support		†	<u> </u>			0.595		†		4.793
TOTAL						0.595	1		3	30.513

P-1 Shopping List Item No. 12

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 10 of 12

Exhibit P-43 p.3, Simulato	r and Trainin	g Device Jus	tification (\$	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC. Aircraft Procurement,			tivity 04,	Other Airc	raft, Item N	lo. 12		em Nomenclature (Osprey)	9	
Weapon System CV-22										
Equipment Nomenclature: A	Aircrew Traine	ers								
Description:										
FINANCIAI DI AN	FY	2001	FY	2002	FY 2	2003	To Con	nplete	Total (Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
WST							1	14.790	1	14.790
OFT					1	15.173	4	74.322	6	103.831
CPTT							1	8.047	1	8.047
Total Hardware Costs					1	15.173	6	97.159	8	126.668
Support Costs										
		0.595				4.685		18.423		24.372
Total Support Costs		0.595				4.685		18.423		24.372
TOTAL COSTS		0.595			1	19.858	6	115.582	8	151.040

P-1 Shopping List Item No. 12

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 11 of 12

Exhibit P-43 p.4, Simulator	and Trainin	g Device Jus	tification (\$	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/E Aircraft Procurement,			ctivity 04,	Other Airc	raft, Item N	lo. 12		tem Nomenclature (Osprey)	÷	
Weapon System CV-22										
Equipment Nomenclature: M	<u>laintenance</u>									
Description:										
			т							
FINANCIAL PLAN	FY ?	2001	FY?	2002	FY 2	_	To Con		Total C	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
IMI-M					1	8.160			1	8.160
IMI-O					1	2.387	1	2.550	2	4.940
Total Hardware Costs					2	10.547	1	2.550	3	13.100
Support Costs										
Upgrade/ECP	 '		 '	 /				4.466		4.466
Maint Delta Course	<u> </u>					0.108				0.108
Total Support Costs						0.108		4.466		4.574
	Τ									
TOTAL COSTS	<u> </u>		 		2	10.655		7.016	3	17.674

P-1 Shopping List Item No. 12

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 12 of 12

Exhibit P-40, Budget Iten	n Justifica	tion								Date: February 200	2
Appropriation (Treasury) Code/C	C/BA/BSA/Ite	m Control Num	nber					P-	Line Item No	menclature	
Aircraft Procuremen	t, Air Foi	rce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 13	lc.	V-22 (Osp	orey) Advance	
	•	rocureme									
Program Element for Code B	Items:	PE 1160404	4								
	ID Code	FY 2006	FY 2007	To Con	p Total						
Proc Qty	A										
Cost (\$ M)											
Advance Proc Cost (\$ M)			22.712	0.000	10.100	15.150	20.200	15.150	25.250	140.6	00 249.162
Weapon System Cost (\$ M)			22.712	0.000	10.100	15.150	20.200	15.150	25.250	140.6	00 249.162
Initial Spares (\$ M)											
Total Proc Cost (\$ M)			22.712	0.000	10.100	15.150	20.200	15.150	25.250	140.6	00 249.162
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 Navy will procure and field 50 CV-22 aircraft and support equipment. The Air Force will fund the procurement of the basic aircraft (MV-22 - CV-22-common components), 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 qualification training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

FY 2003 Program Justification

In FY03 \$10.1M will fund Advance Procurement of Flight Critical items with a lead time in excess of 27 months.

P-1 Shopping List Item No. 13

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

Exhibit P-10 p.1, Adva (Page 1 - Funding)	nce Procu	rement Re	quirements	Analysis د	,					Date: Febru	uary 2002	
Appropriation (Treasury) Code Aircraft Procureme				vity 04, C	Other Aire	craft, Iten	n No. 13	c	P-1 Line Item No CV-22 (Os Procurem	sprey) Ad	vance	
Weapon System						First System	n Award Date	е		First System	n Completion	Date
CV22AP							Mar	-03			Feb-06	
<u>Description</u>	<u>PLT</u>		Prior Years	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>				
End Item Qty	38	Mar-06		0	0	0	2	3	4	3	38	50
CFE	38	Mar-06	21.996	22.708		10.071	15.107	20.142	15.107	25.175	44.226	174.532
GFE						1		1		1		1
EOQ												
Design												
Term Liability		<u> </u>				<u> </u>						
GFE												
ADF Antenna/Processor	12	Feb-05	N/A	0.000		0.021	0.031	0.042	0.031	0.053	0.130	0.308
ARN-147 (V)	12	Sep-04	N/A	0.000	'	0.004	0.006	0.008	0.006	0.011	0.012	0.047
Radar Altimeter Ant.	12	Jan-05	N/A	0.004	'	0.003	0.004	0.006	0.004	0.007	0.008	0.036
External Power Monitor	12	Jan-05	N/A	0.000	<u> </u>	0.001	0.002	0.002	0.002	0.004	0.004	0.015
TOTAL AP			21.996	22.712		10.100	15.150	20.200	15.150	25.250	44.380	174.938
Description:												

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P-1 Shopping List Item No. 13

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

Exhibit P-10 p.2, Adva (Page 2 - Budget Justi		rement Re	quirement	s Analysis						Date: Febi	ruary 2002	
Appropriation (Treasury) Code		/Item Control	Number						P-1 Line Item N	omenclature		
Aircraft Procureme				ivitv 04. (Other Air	craft. Iten	n No. 13		CV-22 (Os	prev) Ad	dvance	
	-,	,		, ,		,			Procurem			
Weapon System								·				
CV22AP												
					(TOA, \$ i	in Millions)						
					2001			2002			<u>2003</u>	
					Contract	<u>2001 Total</u>		Contract	<u>2002 Total</u>		<u>Contract</u>	2003 Total
					Forecast	Cost		<u>Forecast</u>	Cost		<u>Forecast</u>	Cost
<u>Description</u>	<u>PLT</u>	<u>OPA</u>	Unit Cost	2001 QTY	<u>Date</u>	Request	2002 QTY	<u>Date</u>	Request	2003 QTY	<u>Date</u>	Request
End Item												
CFE	38	1										10.071
GFE												
EOQ												
Design												
Term Liability												
GFE												
ADF Antenna/Processor	12	1	0.011							2	Jan-03	0.021
ARN-147 (V)	12	1	0.002							2	Jan-03	0.004
Radar Altimeter Ant.	12	2	0.001							4	Jan-03	0.003
External Power Monitor	12	1	0.001							2	Jan-03	0.001
TOTAL AP												10.100
					•		•	•	•		•	
Description:												
					. Oh a a a ! : :	Lint Hama Ni	- 40		duana Dir		D =!	anta Analisi
				P-1	i Snopping	List Item No). 13	F	avance Pro			ents Analysi
												Justification
										EXNID	nt P-10 p.2	2, page 3 of 3

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Justificat	ion			Date: Febru	ary 2002									
J/BA/BSA/Iten	P-1	Line Item Nor	menclature											
, Air For	C-	32B FES	T/DEST /	AIRCRAF	·T									
Program Element for Code B Items: N/A Other Related Program Elements: None														
ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total			
A	1	0	1	0	0	0	0	0		0	2			
	73.000	0.000	72.451	0.000	0.000	0.000	0.000	0.000			145.451			
	C/BA/BSA/Iten , Air For Items:	, Air Force, Budg Items: N/A ID Code Prior Years A 1	A 1 0	A 1 0 1	Air Force, Budget Activity 04, Other Aircra Items: N/A	Air Force, Budget Activity 04, Other Aircraft, Item	Air Force, Budget Activity 04, Other Aircraft, Item No. 14	P-1 P-1	P-1 Line Item No. P-1 Line Item No. P-1 Line Item No. P-	P-1 Line Item Nomenclature	P-1 Line Item Nomenclature			

Description

This line item provides funds to procure two (2) C-32B aircraft, required mission enhancements, and associated initial support required for the aircraft. These aircraft will replace aging Gatekeeper aircraft to provide increased 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 2003 Program Justification

P-1 Shopping List Item No. 14

Budget Item Justification Exhibit P-40, page 1 of 4

Equipment Lease A 24.000 Mission Equipment A 24.000 FLYAWAY COST SUBTOTAL A 60.000 Support Equipment A 12.451	Exhibit P-5, Weapon System Cost Analys								Date: Fel	oruary 2002	
Subline Item Subl											
Bocing Acrospace/Scattle/WA Weapon System Ident Total Cost In Millions of Dollars FY 2001 Total	Aircraft Procurement, Air Force, B	Budget A	ctivity 0	4, Other A	ircraft, Ite	m No. 14	.	C-32B FE	ST/DES	FAIRCRAF	·T
Bocing Acrospace/Scattle/WA Weapon System Ident Total Cost In Millions of Dollars FY 2001 Total	Manufacturer's Name/Plant City/State Location		-		Subline Item						
Veapon System Ident FY 2001 FY 2002 FY 2003											
Code		Ident				Total Cos	st In Millions	of Dollars			
Qty Unit Cost		Code		FY 2001			FY 2002			FY 2003	
A					Total			Total			Total
Equipment Lease			Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Mission Equipment A PLYAWAY COST SUBTOTAL A Bupport Equipment A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL A Bupport COST SUBTOTAL Buppor	Aircraft	A				1		36.000			
FLYAWAY COST SUBTOTAL	Equipment Lease	A									
Support Equipment A	Mission Equipment	A						24.000			
SUPPORT COST SUBTOTAL A 12.451 12.451 10.000	FLYAWAY COST SUBTOTAL	A						60.000			
SUPPORT COST SUBTOTAL A 12.451 12.451 10.000	Support Equipment	A						12.451			
Comments P-1 Shopping List Item No. 14 Weapon System Cost Analysi	SUPPORT COST SUBTOTAL										
Comments P-1 Shopping List Item No. 14 Weapon System Cost Analysi											
P-1 Shopping List Item No. 14 Weapon System Cost Analysi	TOTAL PROGRAM							72.451			
				P-1 Shoppir	ng List Item N	No. 14			Weapo	n System Co	st Analysi
				- -	J ::::::::	·				-	-

								<u> </u>	10	LAC	<u> </u>	<u> </u>	<u> </u>																
Exhibit P-21, Producti	ion Sch	nedule																				Da	te: F	ebru	Jary	200	2		
Appropriation (Treasury) Cod	Je/CC/BA	√BSA/Ite	m Control	Number														T	P-1 Li	ne Ite	em N	omer	nclatu	ıre					
Aircraft Procurem	ent, A	ir For	r <mark>ce, B</mark> u	idget A	ctiv	ity '	04,	Oth	er /	Airc	:raf	t, It	em	No	, 14	1			<u>C-3</u> :	2B	FE:	ST/	DE	ST /	AIR	CR	AF 1	Γ	
	S		ACCEP.	BALANCE		2000		=	FISC	CAL Y			TNIDAL	D. VIE	1 D. 200	21		_	_	=	FIS		YEAR		ZEAD	2002	_	=	L
PROCUREMENT YEAR	E R	PROC. QTY	PRIOR TO 1 OCT	DUE AS OF 1 OCT	O C	2000 N O	D F	J	F E	M A	A P	M A	J U	J	AR 200 A U	S E	O C	N O	D E	J A	F E	M A	ALENI A P	M A	J U	J 11	A	S E	A T F
	V		2000	2000	T	v	C	N	B	R	R	Y	N	L	G	P	T	v	C	N	В	R	R	Y	N	L	G	P	R
2000	USAF	1	0	1	 '	╨	——'	 -'	—′	↓ —′	—′	↓ —′	₩'	—′	<u> </u>	<u> </u>	ш	—'	igspace	₩'	—'	1	₩	—	—	—	 '	igspace	0
2001	USAF	0	0	0	<u></u> '	╨	——'	↓ —′	 '	 -'	—′	 -'	-	—′	 '	 '	igspace	—'	-	-	—'	+-	₩	₩	₩	+-	 -'	\longrightarrow	0
2002	USAF	1	0	1	₩.	ሥ	——'	₩'	—′	 '	—′	 '	ሥ	—′	 '	 '	\vdash	 '	igwdapprox	ሥ	—'	⊢.	₩	₩	₩	₩	╨	\longrightarrow	1
TOTAL		2	0	2	 '	┯	 '	\ '	 _ '	 '	 '	 '	ب	├ —'	+'	 '	+	<u> </u>	ليا	ب⊢	 '	1	+	 	↓	₩.	₩		1
					O C T	N O V	D E C	A N	F E B	M A R	A P R	M A Y	U N	U	U G	S E P	O C T	N O V	D E C	A N	E B	M A R	A P R	M A Y	U N	U	A U G	S E P	
				PRODUCTIO	ON RA	TES		+-	<u> </u>							PRO/	CUREM	MENT	LEAL) TIM	<u></u> Е	11	11		11				
ITEM/MANUFACTURER'S NAMI	īF.	LOCATIO		MIN SUST	SHIF HOULDAYS	T JRS	M A X	RI	EACHI D+	ED							ADN LEAD	MIN			MFG			TOTA AFTE					
Boeing Aerospace		Seattle, W		1	<i>D111</i>		1	-	<u>D</u> ,						1		IOR OCT		TER OCT		TIME	•		1 OCT					
					\vdash			1			INITI REOF	TAL RDER				\blacksquare		\equiv			_	_	\equiv		_	1_			
REMARKS																													
The aircraft selected is a used Boeir	ng 757-200	(C-32B).	The modifica	tion contractor	r is Rav	vtheon.	Greeny	ville, T	Χ.																				

P-1 Shopping List Item No. 14

Production Schedule Exhibit P-21, page 3 of 4

Exhibit P-21, Production Schedule Date	e: Februa	ary	200)2										
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomence	clature													
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 14 C-32B FEST/D		۱R	CR	ΔF	Т									
ACCED DALANCE FISCAL VEAD 2002 FISCAL VE		****	-	.,		L								
D DRIVER DATE ADDRESS CALLENDAR VEGAR 2002	LENDAR YE	EAR 1	2004			A								
PROCUREMENT YEAR R OTY LOCT LOCT COLD F A F A F A F A F A F A F A F A F A F	A M P A	J U	J U	A U	S E	T E								
V	R Y	N	L	G	P	R								
2000 USAF 0 0 0						0								
2001 USAF 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			-	-		0								
2002 USAF 1 0 1 1 1 1 1 1 1 1			+	+		0								
	Λ M	T	Ţ	1	c	0								
C O E A E A P A U U U E C O E A E A	P A	U	U	U	Е									
	RIY	N	L	Ü	Р									
MIN SHIFT M ADMIN														
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TTEM/MANUFACTURER'S NAME LOCATION DAYS X D+														
Boeing Aerospace PRIOR AFTER 1 OCT	1 OCT													
INITIAL INITIAL			1											
REORDER			1											
REMARKS														

Production Schedule Exhibit P-21, page 4 of 4

Exhibit P-40, Budget Item	n Justificat	ion]	Date: Febru	ary 2002						
Appropriation (Treasury) Code/Co	C/BA/BSA/Iten	P-1	Line Item Nor	menclature								
Aircraft Procurement	t, Air For	O	perationa	I Suppor	t Aircraf	t						
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A	1	1	0	0	0	0	0	0		0	2
Total Proc Cost (\$ M)		62.331	69.160	0.000	0.000	0.000	0.000	0.000	0.000		0.000	131.491

Description

This line item funds two C-40B aircraft for supporting the combatant Commanders in Chief. One aircraft was directed by the FY00 Appropriations Act; the other by the FY01 Appropriations Act. These aircraft will replace aging CINC support aircraft currently in use. The C-40B is a long-range, military variant of the commercial Boeing 737-700 passenger jet. It provides improved reliability, reduced O&S cost, the latest navigation and safety features, and complies with FAA and international noise and emissions standards.

FY 2003 Program Justification

P-1 Shopping List Item No. 16

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

Exhibit P-5, Weapon System Cost Analysi	is							Date: Fel	oruary 2002						
	opriation (Treasury) Code/CC/BA/BSA/Item Control Number craft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16 P-1 Line Item Nomencl Operational Su														
	acturer's Name/Plant City/State Location Subline Item														
Manufacturer's Name/Plant City/State Location				Subline Item											
Boeing Aerospace/Seattle, WA															
Weapon System	Ident				Total Co	ost In Millions	of Dollars								
Cost Elements	Code		FY 2001			FY 2002	<u> </u>		FY 2003						
		Ots	Unit Cost	Total Cost	Otv	Unit Cost	Total Cost	Otv	Unit Cost	Total Cost					
Aircraft	A	Qty 1	UIIII COSI	69.160	Qty	UIIII COSI	Cost	Qty	UIIII COSI	COSt					
FLYAWAY COST SUBTOTAL	A		+ +	69.160					+ +						
BITTITITE	 		 	07.222					† †						
SUPPORT COST SUBTOTAL	A														
TOTAL PROGRAM				69.160				<u> </u>							
Comments															
Does not reflect reprogrammings of \$300K in FY	Y01and \$20	OK in FY01													
Does not refrect reprogrammings or queens miles	TOTANG 420	OIL III I UI	•												
			P-1 Shopping	g List Item N	o. 16			Weapo	n System Co	st Analysi					

Exhibit P-5, page 2 of 3

								U	NCI	LAS	3SII	FIE	D																
Exhibit P-21, Product	ion Scl	hedule																Т				Dat	te: F	ebru	ary	200	2		
Appropriation (Treasury) Co	de/CC/B/	√BSA/Ite	m Control	Number														F	²-1 Li	ne Ite	em N	omer	nclatu	re					
Aircraft Procurem	ient, A	ir For	ce, Bu	idget A	ctiv	/ity/	04,	Oth	ier /	Airc	:raf	t, It	em	No	. 16	;			Эρε	∍rat	ion	al S	Sup	por	tΑ	ircr	aft		
	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2000		$\overline{\Box}$	FISC	CAL Y			ENDA	R YEA	AR 200	1					FIS		YEAR ALEND		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
2000	USAF	1	0	1	=	\Box	=	=	=	\Box	\sqsubset	=	\sqsubseteq				\Box			\Box	\square		\Box	\Box	1	\sqsubseteq			0
	USAF	1 2	0	1	+-	\vdash		\vdash	 	 	\vdash	\vdash	┢	\vdash	$\vdash \vdash$	\vdash	\vdash	-	\Box	\vdash	$\vdash \vdash$	\vdash	$igwdapsymbol{ o}$	$\vdash \vdash$		┢──	1	${oxdot}$	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 MIN	SHIF	T	M										ADN	MIN) TIMI	3		<u> </u>						
ITEM/MANUFACTURER'S NAM Boeing Aerospace	<u>IE</u>	LOCATIO Seattle, W	ON	SUST	HOU		A X	H KI	REACHI D+	ED	-						LEAD IOR	AFT			MFG TIME		A	TOTAI AFTER 1 OCT	3				
Buenig Acrospace		Scattic, 11	asimigion		뭋		二	1		,	1				ļ		OCT C	10		<u> </u>			<u> </u>	1001		1			
		 		 	\vdash			-			INITI	TAL RDER	—			 	1		-	├──		1	├─		1	ł			
REMARKS					<u>—</u>			<u>—</u>	_	_	IKEC	ADEK																	
Aircraft is a military variant of the	Boeing 737-	-700.																											

Production Schedule Exhibit P-21, page 3 of 3

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Exhibit P-40, Budget Item	n Justifica	tion							I	Date: February 2002			
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	ber					P	1 Line Item Nor	menclature			
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 17	T	arget Dro	nes			
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		64735F				
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total		
Proc Qty A I I I I I I I I I I I I I I I I I I													
Cost (\$ M)			22.884	34.784	30.586	51.180	38.574	39.319	40.067		257.394		
Advance Proc Cost (\$ M)													
Weapon System Cost (\$ M)			22.884	34.784	30.586	51.180	38.574	39.319	40.067		257.394		
Initial Spares (\$ M)			0.610	0.101	0.820	0.991	0.494	0.49	0.494		4.004		
Total Proc Cost (\$ M)			23.494	34.885	31.406	52.171	39.068	39.813	40.561		261.398		
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. FY03 AFSAT procurement (8 AFSAT) delayed until FY04. FY04 AFSAT buy increased from 35 to 43.

FY 2003 Program Justification

FY03 fund QF-4 fulscale aerial targets (12 in FY03) required to meet existing development and operational test requirements. 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.

P-1 Shopping List Item No. 17

Budget Item Justification Exhibit P-40, page 1 of 18

Exhibit P-5, Weapon System Cost Analysi	S							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 04	, Other A	ircraft, Ite	m No. 17		Target Dr	ones		
Manufacturer's Name/Plant City/State Location		-		Subline Item						
QF-4 (BAE Systems, Mojave, CA) BQM-34 (No	orthrop Gru	ımman, San								
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				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	11	0.645	7.099	11	0.660	7.265	12	0.710	8.520
Scoring System (VDOPS)	A									
F-4 In Plant Repairs	A			0.272			0.239			0.293
INS Incorporation	A						0.605			0.660
Engineering Change Orders (ECO)	A			1.194			0.217			1.124
Warranty	A			0.180			0.194			0.197
Aircraft Withdrawal / Aerospace Maintenance	A									
and Re										
Restricted Manned Perf to 3G	A				10	0.471	4.712	10	0.485	4.846
Unrestricted Manned Perf to 6G	A	11	0.758	8.338	1	0.827	0.827	2	0.843	1.685
MILSTRIP RSD	A			0.150			0.150			0.150
MILSTRIP EOQ	A			0.200			0.200			0.200
FLYAWAY COST SUBTOTAL	A			17.433			14.409			17.675
QF-4 Support Cost	A									
Data Tech Manuals	A			0.062			0.065			0.069
On Call Engineering Support	A			0.027			0.028			0.030
Prime Contractor Technical Support	A			0.122			0.127			0.129
Alternate Mission Equipment	A									
Government Support	A			1.947			3.375			3.421
SUPPORT COST SUBTOTAL	A			2.158			3.595			3.649
INITIAL SPARES	A			0.610			0.101			0.820
BQM-34 SUBSCALE FLYAWAY COST	A									
Airframes	A									

P-1 Shopping List Item No. 17

Weapon System Cost Analysis Exhibit P-5, page 2 of 18

Exhibit P-5, Weapon System Cost Analy								Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont	trol Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, I	Budget A	ctivity 0	4, Other Ai	rcraft, Ite	m No. 17	7	Target Dr	ones		
Weapon System	Ident				Total Cos	st In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
ECO	A			0.910						
GFE	A									
Engines	A									
IFF (L-Band) Transponders	A									
Locator Beacons	A									
BQM-34 FLYAWAY COST SUB TOTAL	A			1.520			0.101			0.820
BQM-34 Support Cost	A									
Data Tech Manuals	A									
NTSSAT FAAT Testing	A									
Government Testing	A									
Government Support	A			0.950						
On Site Support Redstone Arsenal	A			0.158						
Technical Support	A			1.275						
Other	A									
Alternate Mission Equipment	A									
BQM-34 SUPPORT COST SUBTOTAL	A			2.383						
AFSAT	A									
Production Set up	A						2.060			4.233
Pre-Production article	A				6		11.522			
Production article	A							0		0.000
ECO	A									0.200
Data/Tech Manuals	A									0.548
First Article Acceptance Testing	A									0.122
Formal Qualification Testing (FQT)	A									0.670
Peculiar Support Equipment (PSE)	A									0.350
Primary Mission Equipment (PME)	A									
AFSAT Support Cost	A									
Government Support	A						1.579			1.548
Special Program Requirements	A									

P-1 Shopping List Item No. 17

Weapon System Cost Analysis Exhibit P-5, page 3 of 18

Exhibit P-5, Weapon System Cost Analysi	S							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro	Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	udget A	ctivity 0	4, Other Ai	rcraft, Ite	m No. 17	7	Target Dro	ones		
Weapon System	Ident				Total Co	ost In Millions	of Dollars			
Cost Elements	Code		FY 2002			FY 2003				
	[1		Total			Total	i		Total
	Cost	Qty	Unit Cost	Cost						
ICS	A									
Technical Support	A						1.619			1.591
TOTAL PROGRAM				23.494			34.885			31.406
<u>Comments</u>										

P-1 Shopping List Item No. 17

Weapon System Cost Analysis Exhibit P-5, page 4 of 18

Exhibit P-5A, Procurement		•							Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/0	CC/BA/BSA	Item Control	Number					P-1 Line	Item Nome	nclature		
Aircraft Procuremer	ոt, Air F	orce, Bu	udget Acti	ivity 04,	Other Ai	rcraft, Iten	n No. 17	Targe	t Drone	es		
Weapon System					Subline Ite	m						
TD												
			Location of	RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Loca	tion	Date	Delivery	Now?	Available?
FY00 (QF-4)	12	0.966	AAC/WRA		С	FFP	BAE SYSTEMS, M CA	OJAVE,	Dec-99	Jun-00	Yes	
FY01 (QF-4)	11	1.557	AAC/WRA		С	FFP	BAE SYSTEMS, M CA	OJAVE,	Feb-01	Jun-01	Yes	
FY02 (QF-4)	11	1.223	AAC/WRA		С	FFP	BAE SYSTEMS, M CA	OJAVE,	Dec-01	Jun-02	Yes	
FY03 (QF-4)	12	1.293	AAC/WMR		С	FFP	BAE SYSTEMS, M CA	OJAVE,	Feb-03	Jun-04	Yes	
FY00 (BQM-34)	32	0.457	AAC/WRA		С	FFP	NORTHROP GRUM (BQM-34), SAN DII CA		Nov-99	Apr-01	Yes	
FY02 (AFSAT)	6	2.367	AAC/WRA		С	FFP	TBD		Apr-02	Aug-03	No	Mar-02
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Exhibit P-40, Budget Iter	n Justificat	ion							[Date: Febru	ıary 2002						
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	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	N/A								
Proc Qty	A	0	1	0	0	0	0	0	0		0	1					
Total Proc Cost (\$ M)		0.000	67.525	0.000	0.000	0.000	0.000	0.000	0.000		0.000	67.525					

Description

This line item provides funding for one C-40 aircraft for the Air National Guard as directed by the FY01 Appropriations Act. The C-40 is a military variant of the commercial Boeing 737-700. This particular C-40 will replace one antiquated Air National Guard C-22B (Boeing 727-100). The C-40 provides improved reliability, reduced O&S cost, the latest navigation and safety features, and complies with international and FAA noise and emissions standards.

FY 2003 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 Analys								Date: Fel	oruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contr							P-1 Line Item I			
Aircraft Procurement, Air Force, B	Budget A	ctivity 04	4, Other A	ircraft, Itei	<u>m No.</u> 1	8	C-40 ANG)		
Manufacturer's Name/Plant City/State Location				Subline Item						
Boeing Aerospace/Seattle/WA										
Weapon System	Ident			_	Total Co	ost In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A	1		67.525						
FLYAWAY COST SUBTOTAL	A			67.525						
SUPPORT COST SUBTOTAL	A									
TOTAL PROGRAM				67.525						
Comments										
<u> </u>										
			P-1 Shannir	ng List Item N	o 18			Waana	n System Co	set Analysis
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									Exhibit P-5,	page 2 of 4

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Exhibit P-21, Product	ion Scl	nedule																				Da	te: F	ebru	Jary	200	2		
Appropriation (Treasury) Co	de/CC/BA	/BSA/Ite	m Control	Number														F	P-1 Li	ine Ite	em N	omer	nclatu	ıre					
Aircraft Procurem	ent, A	ir For	ce, Bu	idget A	ctiv	ity	04, (Oth	er /	Airc	craf	t, It	em	No	. 18	3			C-4	0 A	NG	i							
	s		ACCEP.	BALANCE							EAR 2	2001									FIS	CAL `	YEAR	2002					L
PROCUREMENT YEAR	E	PROC.	PRIOR TO	DUE AS OF	0	2000 N	D	J	F	М	A	CALI M	NDA J	R YEA	R 200 A)1 S	0	N	D	T	F	C/ M	ALENI A	DAR Y M	EAR 2	2002 T	Α	S	A T
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Boeing Aerospace		Seattle, W	'A	1			1	4			1						IOR		ΓER		THVIE			1 OCT	î.				
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REMARKS									—																—				

Production Schedule Exhibit P-21, page 3 of 4

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Production Schedule Exhibit P-21, page 4 of 4

Exhibit P-40, Budget Item	n Justificat	ion								Date: Febrι	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	nber					P	1 Line Item No	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 19	E	-8C (Join	t Stars)		
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A	14	1	1	1	0	0	() 0			17
Cost (\$ M)		3993.500	240.658	269.772	279.268	0.000	0.000	0.00	0.000			4783.198
Interim Ctr Support (\$ M)		0.000	0.000	0.000	0.000	0.000	0.000	0.00	0.000			0.000
Advance Proc Cost (\$ M)		841.100	46.080	45.997	0.000	0.000	0.000	0.00	0.000			933.177
Weapon System Cost (\$ M)		4834.600	286.738	315.769	279.268	0.000	0.000	0.00	0.000			5716.375
Initial Spares (\$ M)		287.187	32.212	26.364	1.810	35.190	36.407	0.61	1.151			420.932
Total Proc Cost (\$ M)		5121.787	318.950	342.133	281.078	35.190	36.407	0.61	1.151			6137.307
Flyaway Unit Cost (\$ M)		288.500	239.008	269.772	285.038							
Wpn Sys Unit Cost (\$ M)		305.100	286.738	317.805	279.268							

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; and is able to respond rapidly to worldwide contingencies. Electronic Systems Center/Joint STARS (ESC/JS) is continually determining the most efficient means to enhance the warfighter's battle management command, control and communication (C3) capability to achieve the Global Strike Task Force (GSTF) vision. ESC/JS is developing advanced battle management decision aids and information fusion to enable commanders to make more timely decisions in tracking and killing time critical targets (TCTs) and achieve a Predictive Battle-Space Awareness (PBA) environment. 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 Jun 99. In FY95 authorization was received to begin a program for the multi-year buy-out and storage of potential candidate B707-300 A/C. Currently, as additional AF 707 assets become available, the Program Office continues to inspect, request transfer and store additional candidates for E-8B conversion. Any ECPs required have historically been funded out of the program ECO line as these aircraft moved through production. Of late however, as the program matured, the ECP kits and installation efforts have shifted focus from production line assets to operational assets. A modification (BP11) line for ECPs was not originally laid into the program. For FY01 and prior, the Air Force will use its reprogramming flexibility to realign funds between BP10 and BP11 to support fleet mods resulting from approved ECPs. This action is required to maintain fleet configuration commonality. The Command and Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) System Architecture improvements include concept exploration and program definition/risk reduction efforts that support continuous improvements and implementation of C2ISR capabilities to enable a joint global strike task force. This effort includes, but is not limited to, manned and unmanned platforms, space, data links and advanced BMC3 concepts. These efforts include, but are not limited to, the ISR constellation, UAV, data links, Space, AMTI, GMTI and large airborne platform integration efforts, which will provide greater mission capability, higher mission reliability, and maximize aircraft availability in support of the user's (ACC) mission. In Sep 96, the Defense Acquisition Board (DAB)

P-1 Shopping List Item No. 19

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

Exhibit P-40, Budget Item Justification	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19	E-8C (Joint Stars)
Description Continued Milestone III Review approved full rate production of a 19 E-8C program. The 93rd Air Control Wing, Robins AFB, GA Capability (IOC) in Dec 97, and the system is now participating in operational and training exercises. After the 1996 Quant the Joint STARS production profile, the Air Force reduced Joint STARS production from 19 to 13 E-8Cs. However, the Congress authorized, full funding for the 14th, 15th and 16th aircraft and long lead funding for a 17th E-8C in FY02.	adrennial Defense Review recommended a revision
FY 2003 Program Justification	
FY03 funds the 17th E-8C aircraft.	
P-1 Shopping List Item No. 19	Budget Item Justification
F-1 Shopping List item No. 19	Exhibit P-40, page 2 of 6

Exhibit P-5, Weapon System Cost And Appropriation (Treasury) Code/CC/BA/BSA/Item C	-						P-1 Line Item N		ruary 2002	
Aircraft Procurement, Air Force		ctivity 04	l Other A	ircraft Ite	m No 19		E-8C (Joi			
Manufacturer's Name/Plant City/State Locat		otivity o-	r, Othor A	Subline Item			<u> </u>	it Otaroj		
Northrop Grumman Corporation Melbourne		on Melbour	ne. FL							
Weapon System	Ident	311 11 10 10 0 011	,		Total Cos	st In Millions	of Dollars			
Cost Elements	Code		FY 2001		1000100	FY 2002	or Bonars		FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	1	132.326	132.326	1	145.670	145.670	1	153.346	153.346
Avionics	A	1	45.282	45.282	1	49.500	49.500	1	51.481	51.481
Connectivity	A	1	24.300	24.300	1	28.760	28.760	1	29.908	29.908
GFE (including A/C storage/demods)	A			5.200			11.790			12.257
Engineering Change Orders (ECO)	A			1.500						
Nonrecurring Costs	A	1	10.100	10.100	1	10.090	10.090	1	10.492	10.492
Other Costs	A	1	20.300	20.300	1	26.490	26.490	1	27.554	27.554
FLYAWAY COST SUBTOTAL	A			239.008			272.300			285.038
Avionics PGSE	A			3.080			3.270			3.126
Peculiar Training Equipment	A			4.620			4.900			2.900
Publications/Technical Data	A			2.700			2.950			1.900
Pgm Mgmt Admin (PMA)	A			17.774			18.402			19.135
ICS (FY00 only)	A									
Other	A			9.208			14.030			15.200
SUPPORT COST SUBTOTAL	A			37.382			43.552			42.261
GROSS P-1 COSTS	A			276.390			272.282			328.260
Less: Prior Yr Adv Procurement	A			-35.732			-46.080			-48.033
Plus: Current Yr Adv Procurement	A			46.080			48.033			
Net P-1 Total	A			286.738			317.810			279.268
Plus: INITIAL SPARES	A									
Plus: MODs BP 11	A									
TOTAL PROGRAM				286.738			317.805			279.266
Comments										
Comments										
										
			P-1 Shoppin							

Exhibit P-5, page 3 of 6

Exhibit P-5A, Procurem									Date	e: Februa	ry 2002	
Appropriation (Treasury) Code/								P-1 Line Item				
Aircraft Procureme	nt, Air F	orce, Bu	udget Acti	ivity 04,	Other Ai	rcraft, Iten	n No. 19	E-8C (Joi	int St	ars)		
Weapon System					Subline Ite	m						
E-8C												
WBS Cost Elements	Oty	Unit Cost		RFP Issue	Contract Method	Contract Type	Contractor and Loca	Awa	ırd l	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Weapon System												
FY01	1	286.738	ESC/JSK		SS	FPI	Grumman /Melbouri	ne Ma	r-01	Mar-03	Yes	
FY02	1	317.805	ESC/JSK		SS	FPI	Grumman/Melbourn	ie Ma	r-02	Mar-04	Yes	
FY03	1	279.268	ESC/JSK		SS	FPI	Grumman/Melbourn	ie Ma	r-03	Mar-05	Yes	
Support							+		+			
FY01	N/A		ESC/JSK		SS	FP	Grumman /Melbourn	ne Nov	v-00	N/A	Yes	
FY02	N/A		ESC/JSK		SS	FP	Grumman/Melbourn		v-01	N/A	Yes	
FY03	N/A		ESC/JSK		SS	FP	Grumman/Melbourn		v-02	N/A	Yes	
				P-	-1 Shoppin	g List Item No	o. 19		Procui		-	d Plannin
										Exhil	oit P-5A, p	age 4 of 6

Exhibit P-21, Product	tion Scl	hedule																				Dat	te: F	ebru	ıary	200	2		
Appropriation (Treasury) Co	de/CC/BA	VBSA/Ite	m Control	Number														F	P-1 Li	ne Ite	em N	omer	nclatu	re					
Aircraft Procurem	nent, A	ir For	ce, Bu	idget A	ctiv	ity	04, (Oth	er A	Airc	raf	t, It	em	No	. 19				E-8	C (.	Joir	nt S	tar	s)					
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1992	USAF	2	2	0			Ŭ	Ĺ,					Ĺ,		Ŭ												Ŭ		0
1994	USAF	2	2	0																									0
1995	USAF	2	1	1		1						<u> </u>																	0
1996	USAF	2	1	1	\vdash		<u> </u>			<u> </u>	<u> </u>	1	-	_	_	_					_				_				0
1997 1998	USAF USAF	1 1	0	0	\vdash		 	\vdash	\vdash	┝	┝	┝	┝	-	1	-	\vdash				_				-			-	0
1998	USAF	2	0	2			-	\vdash		\vdash	\vdash	\vdash	 	-	1	 			1					1					0
2000	USAF	1	0	1						\vdash	\vdash	\vdash	\vdash			<u> </u>								1				1	0
TOTAL	TODAL	14	8	6		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	
				PRODUCTION	ON RA	TES										PROC	CUREN	MENT	LEAD	TIMI	E								
ITEM/MANUFACTURER'S NAM	ſE	LOCATIO	ON	MIN SUST	SHIF HOU DAY	RS	M A X	RE	EACHI D+	ED							ADI LEAD	MIN TIME			MFG			ГОТАІ					
Northrop Grumman		Melbourn	e, Florida	1	5	1 - 8 -	5										IOR OCT	AF1 1 O			TIME	,		AFTEF 1 OCT					
]			INITI						2		5			33			38]			
											REO	RDER																	
REMARKS																													

- Six (6) Aircraft delivered prior to FY96
- Aircraft P6&8 deliveries (Nov 00&May 01) reflect rebaselinings on contract
- Aircraft P11, 12&13 delivery dates of Aug01, Dec01 & May02 were definitized respectively
- Aircraft P14 & 15 delivery dates of Sep 02 and Mar 03 have been definitized
- Long Lead funding for P16 authorized in FY01.
- Aircraft P16 delivery date TBD pending definitization.
- Long Lead funding for P17 is included in the FY02PB.
- Aircraft Procurement funding for P-17 is included in the FY03 PB.

P-1 Shopping List Item No. 19

Production Schedule Exhibit P-21, page 5 of 6

								U	NC	LAS	SSII	FIE	D																
Exhibit P-21, Produc	tion Scl	nedule																				Dat	te: F	ebru	uary:	200	2		
Appropriation (Treasury) Co	de/CC/BA	/BSA/Ite	m Control	Number														F	P-1 L	ine Ite	em N	omer	nclatu	ıre					
Aircraft Procuren	nent, A	ir For	ce, Bu	idget A	ctiv	ity	04,	Oth	er /	Airc	raf	t, It	em	No	. 19)		į.	E-8	C (.	Joir	nt S	tar	s)					
	S		ACCEP.	BALANCE						CAL Y													YEAR						L
PROCUREMENT YEAR	E	PROC.	PRIOR TO	DUE AS OF	0	2002 N	D	, ,	F	М	Ι ,	CALE M	NDAI J	R YEA	AR 200 A)3 S	0	N	D	Y	F	CA M		DAR Y M	EAR 2	2004	_	C	A T
PROCUREMENT TEAR	R V	QTY	1 OCT 2002	1 OCT 2002	C	O V	E C	J A N	E B	A R	A P R	A Y	U N	U L	U G	E P	C	O V	E C	A N	E B	A R	A P R	A Y	U N	U L	A U G	S E P	E R
2001	USAF	1	0	1			Ľ			1	Ë		Ĺ,		Ľ				Ľ	L'`							Ŭ		0
2002	USAF	1	0						\vdash													1			ш				0
2003	USAF	1	0		-				Ь—	-		<u> </u>			_								Ь—	<u> </u>	ш	<u> </u>	<u> </u>		1
TOTAL		3	0	3	+	NY.	D	- T	F	1 1 M	-	M	, T	7	١,	-		N	Б	τ .	E	1 M	<u> </u>	- M	H			C	1
					O C T	N O V	D E	J A N	E	M A R	A P R	M A V	J U N	J U	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 V	J U N	J U I	A U G	S E P	
				PRODUCTI	ON RA	TES		1	ь	I			11	L	- 0	PRO	CURE	_ •	LEAL			K			-11		<u> </u>		
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				SUST	HOU		A	R	EACH	.ED							LEAD	TIME	Ξ		MFG	ł		TOTA		ĺ			
ITEM/MANUFACTURER'S NAM	1E	LOCATION	ON		DAY	S	X	<u> </u>	D+		ļ					L				ļ	TIME			AFTE		ĺ			
Northrop Grumman					+			-									IOR		ΓER					1 OCT		ĺ			
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REMARKS					•						IILO	KDLK																	
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Production Schedule Exhibit P-21, page 6 of 6

Exhibit P-40, Budget Iten	n Justifica	ition								Date: February 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	em Control Num	ber					F	P-1 Line Item No	menclature	
Aircraft Procuremen	t, Air Fo	rce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 20		E-8C (Join	t Stars) Advance	
									rocureme	ent	
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		N/A		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A										
Cost (\$ M)											
Interim Ctr Support (\$ M)											
Advance Proc Cost (\$ M)		841.100	46.080	45.977	0.000	0.000	0.000	0.00	0.000		933.157
Weapon System Cost (\$ M)		841.100	46.080	45.977	0.000	0.000	0.000	0.00	0.000		933.157
Initial Spares (\$ M)											
Total Proc Cost (\$ M)		841.100	46.080	45.977	0.000	0.000	0.000	0.00	0.000		933.157
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; and 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. Congress authorized long lead and procurement dollars for aircraft P-14 and P-15 in 99/00 and 00/01 respectively. Congress added long lead funds for aircraft P-16 in FY 01. The FY02 PB submission included long lead for aircraft P-17 in FY02, which will be procured in FY03.

FY 2003 Program Justification

P-1 Shopping List Item No. 20

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

					UNCLAS	SSIFIED						
Exhibit P-10 p.1, Ad (Page 1 - Funding)	vance Procu	irement Re	quirements	Analysis						Date: Febr	uary 2002	
Appropriation (Treasury) C Aircraft Procure				vity 04, C	Other Airc	craft, Item	n No. 20		P-1 Line Item N E-8C (Joir Procurem	nt Stars)	Advance	
Weapon System						First System	Award Date	e		First Systen	n Completion	Date
E-8CAP							Apr	:-92			Mar-96	
					(\$ in M	illions)						
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty	12		14	1	1	1						17
		Γ		4.4.000	40.000			Γ	1	1	<u> </u>	
CFE	-		841.100	46.080	48.033				_			935.213
GFE												
E00	1								1	1		
EOQ Design	+								_			
Term Liability	+								+			
Term Liability	-								+		1	
TOTAL AP	1		841.100	46.080	48.033							935.213
TOTAL AF		<u> </u>	041.100	40.000	40.033							933.213
Description: The Joint STARS Prod with each Lot is active aircraft refurbishment/1	for 3 years; th	us, Advance	Buy Funding	is required	to execute th	e production	cycle. The	two major	long lead item	s for the Join		

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

Exhibit P-10 p.2, A (Page 2 - Budget		rement Re	quirement	s Analysis						Date: Febi	uary 2002	
Appropriation (Treasury) Aircraft Procur) Code/CC/BA/BSA			ivity 04, (Other Air	craft, Iter	n No. 20	E	2-1 Line Item N E-8C (Joir Procurem	nt Stars)	Advance	:
Weapon System								<u>-</u>		<u> </u>		
E-8CAP												
						in Millions)			T	•	ı	1
					2001 Contract Forecast	2001 Total Cost		2002 Contract Forecast	2002 Total <u>Cost</u>		2003 Contract Forecast	2003 Total Cost
Description	<u>PLT</u>	<u>OPA</u>	<u>Unit Cost</u>	2001 OTY	<u>Date</u>	Request	2002 OTY	<u>Date</u>	Request	2003 OTY	<u>Date</u>	Request
End Item	12	1					0		0.000			
CFE							0		0.000			
GFE							0		0.000			
			!		·			ļ	1 0.000			·!
EOQ							0		0.000			
Design							0		0.000			
Term Liability							0		0.000			
TOTAL AP									0.000			
Description:												
				P- ⁻	1 Shopping	List Item No	o. 20	A	dvance Pro	(Page 2	- Budget	ents Analys Justificatior , page 3 of

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Exhibit P-40, Budget Item	n Justificat	tion							[Date: Febru	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Ite	m Control Num	nber					P-1	1 Line Item Nor	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 21	Hi	igh Altitu	de Endui	rance - U	AV
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A		0	2	2	4	4	4	10		TBD	TBD
Cost (\$ M)			0.000	83.081	63.861	659.807		TBD	TBD			
Advance Proc Cost (\$ M)			21.045	33.500	41.000	41.900	62.000	109.200	155.000		TBD	TBD
Weapon System Cost (\$ M)			21.045	116.581	104.861	234.692	266.083	358.237	814.807		TBD	TBD
Initial Spares (\$ M)				0.000	0.000	0.000	0.000	0.000	0.000		0.000	0.000
Total Proc Cost (\$ M)			21.045	116.581	104.861	234.692	266.083	358.237	814.807		TBD	TBD
Flyaway Unit Cost (\$ M)				46.085	43.635	48.253	46.085	76.318	68.585		TBD	TBD
Wpn Sys Unit Cost (\$ M)				52.063	48.681	58.448	61.496	77.759	76.901		TBD	TBD

Description

- 1. In FY02, the Global Hawk program received \$72.0M as part of the Defense Emergency Response Fund (DERF). Funding was used to cover initial preparation and deployment of two Global Hawk aircraft as associated ground segment components, provide for 120 days of operations, and accelerate delivery of EO/IR sensors in support of OPERATION ENDURING FREEDOM. This funding is not reflected in the FY02 program total.
- 2. In FY03, Global Hawk anticipates receiving \$65M from the Cost of War Transfer Account. These funds are not included in the FY03 Air Force baseline. Funding will be used to procure another aircraft.

The Global Hawk Program consists of the RQ-4A Unmanned Aerial Vehicle (UAV), the AN/MSQ-131 Ground Segment (GS), and the support system. The GS consists of the Mission Control Element (MCE) and the Launch and Recovery Element (LRE). The Global Hawk System is designed to provide continuous, all-weather, day/night, wide area surveillance and reconnaissance and includes the communications and interfaces with other theater systems required to support joint tactical warfighters at various levels of command. Global Hawk is a fully autonomous, high-altitude, long-endurance unmanned aircraft that is directly responsive to theater tasking. Global Hawk will integrate with the existing tactical airborne reconnaissance architectures for tasking, mission planning, data processing, exploitation, and dissemination. It includes an Integrated Sensor Suite (ISS) which contains Synthetic Aperture Radar (SAR) with Ground Moving Target Indicator (GMTI) capability, along with an Electro-Optical (EO)/ Infrared (IR) camera. It is designed to provide up to 40,000 sq. nmi. of search radar imagery and electro-optical (EO) or infrared (IR) imagery per mission. Global Hawk is designed as a standoff imagery platform with the capability to operate in low-to-moderate air defense threat environments, and collect imagery while looking deep into high threat areas.

Initial spares for the Global Hawk Program are included in the weapon system cost line. The Global Hawk Program will not separately budget for initial spares. The program intends to include initial spares and support equipment under the low-rate initial production (LRIP) contract as part of the Reformed Supply Support Program (RSSP). The LRIP contract, to be awarded in FY02, will fund these requirements initially with Budget Program (BP) 10 funding. Under interim supply support (ISS), the contractor will provide spares as a capability, to achieve an agreed-to availability rate. The amount of initial spares will not be separately priced or provided to the Air Force.

P-1 Shopping List Item No. 21

Budget Item Justification Exhibit P-40, page 1 of 18

Exhibit P-40, Budget Item Justification	Date: February 2002
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. 21	High Altitude Endurance - UAV

Description Continued

The Global Hawk Program will award a logistics support contract to fund Interim Contractor Support (ICS) in FY02.

Flyaway Cost includes recurring production for the Global Hawk system (aircraft and GS) plus Systems Engineering /Program Management, Engineering Change Orders, Systems Test and Engineering, and Non-Recurring Tooling. Weapon System Cost includes the Flyaway Cost plus interim supply support, ICS, operational site activation, data, support equipment, and training. These costs fluctuate throughout the FYDP due to the timing of ground stations and new sensor capabilities, including a SIGINT capability starting in FY06.

FY 2003 Program Justification

Global Hawk transitioned from an Advanced Concept Technology Demonstration (ACTD) to a DoD 5000 ACAT 1D acquisition program during FY01. An Acquisition Decision Memorandum was signed 6 Mar 01, approving entry into Engineering and Manufacturing Development (EMD) using spiral development, and authorizing Low-rate Initial Production (LRIP). Throughout the FYDP, the program will continue spiral development to enhance the design of the system to meet Operational Requirements Document (ORD) performance and capabilities.

In FY02, the Global Hawk LRIP program will commence procurement of two air vehicles and one MCE (with advance procurement in FY01 and delivery starting in FY03). In FY03, the Global Hawk LRIP program will procure two aircraft and one LRE (with advance procurement in FY02 and delivery in FY04). In FY04-06, the Global Hawk LRIP program will procure four aircraft and one GS. In FY07, the Global Hawk full-rate production program will procure ten aircraft and two GSs.

P-1 Shopping List Item No. 21

Budget Item Justification Exhibit P-40, page 2 of 18

Exhibit P-5, Weapon System Cost Analy	sis							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont	rol Number						P-1 Line Item N	omenclature		
Aircraft Procurement, Air Force, I	Budget A	ctivity 0	4, Other A	ircraft, Ite	m No. 21		High Altit	ude Endเ	ırance - U	AV
Manufacturer's Name/Plant City/State Location	1			Subline Item						
Ryan Aeronautical Center, Palmdale, CA										
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Long lead for 2 air vehicles and 1 MCE	A			21.045						
Procurement of 2 air vehicles and 1 MCE	A				2	52.063	104.126			
Procurement of 2 air vehicles and 1 LRE	A							2	48.681	97.361
Adv Procurement - Credit	A						33.500			41.000
Adv Procurement - Debit	A						-21.045			-33.500
TOTAL PROGRAM				21.045	·		116.581			104.861

Comments

P-1 Shopping List Item No. 21

Weapon System Cost Analysis Exhibit P-5, page 3 of 18

Exhibit P-5A, Procuremen	t Histo	ory and Pl	anning						Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC									Item Nome			
Aircraft Procurement,	Air F	orce, B	udget Acti	ivity 04,	Other Ai	rcraft, Iter	m No. 21	High	Altitude	Endura	nce - U	<u>AV</u>
Weapon System					Subline Ite	m						
HAEUAV		_							_			
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue	Contract Method	Contract Type	Contractor and Loca	ıtion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available
FY2001												
Long lead for 2 Global Hawks (FY02)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Jun-01		No	N/A
Long lead for 1 MCE (FY02)			ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C		Jun-01		No	N/A
FY2002												
Global Hawk	2		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Jan-02	Jul-03	No	N/A
MCE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Jan-02	Jul-03	No	N/A
Long Lead for 2 Global Hawks (FY03)			ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C		Mar-02		No	N/A
Long lead for 1 LRE (FY03)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Mar-02		No	N/A
FY2003	+											
Global Hawk	2		ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C	A	Nov-02	Apr-04	No	N/A
LRE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Nov-02	Apr-04	No	N/A
Long lead for 4 Global Hawks (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C		Mar-03		No	N/A
Long lead for 1 MCE (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C	Center,	Mar-03		No	N/A
Long lead for 1 LRE (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C	Center,	Mar-03		No	N/A
FY2004	+		1 0 0 0 1 1 T		l a a	EDI	D 4 2 2 2	<u> </u>	N 00)	NT/ 1
Global Hawk	4		ASC/RAK		SS	FPI	Ryan Aeronautical (Rancho Bernardo, C		Nov-03	Apr-05	No	N/A

P-1 Shopping List Item No. 21

Procurement History and Planning Exhibit P-5A, page 4 of 18

Exhibit P-5A, Procuremer	t Histo	ory and Pl	anning						Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC									Item Nomer			
Aircraft Procurement	, Air F	orce, B	udget Act	ivity 04,	Other Ai	rcraft, Iten	1 No. 21	High	Altitude	Endura	nce - U	AV
Weapon System					Subline Iter	m Continued						
			Location of	RFP Issue	l .	Contract			Award	Date of First		Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Loca		Date	Delivery	Now?	Available
MCE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Nov-03	Apr-05	No	N/A
LRE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C		Nov-03	Apr-05	No	N/A
Long lead for 4 Global Hawks (FY05)			ASC/RAK		SS	TBD	Ryan Aeronautical (Rancho Bernardo, C	Center,	Mar-04		No	N/A
Long lead for 1 MCE (FY05)			ASC/RAK		SS	TBD	Ryan Aeronautical (Rancho Bernardo, C	Center,	Mar-04		No	N/A
Long lead for 1 LRE (FY05)		No	N/A									
FY2005												
Global Hawk	4		ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C		Nov-04	Apr-06	No	N/A
MCE	1		ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C	Center,	Nov-04	Apr-06	No	N/A
LRE	1		ASC/RAK		SS	TBD	Ryan Aeronautical C	Center,	Nov-04	Apr-06	No	N/A
Long lead for 4 Global Hawks (FY06)			ASC/RAK		SS	TBD	Ryan Aeronautical C	Center,	Mar-05		No	N/A
Long lead for 1 MCE (FY06)			ASC/RAK		SS	TBD	Ryan Aeronautical (Rancho Bernardo, C	Center,	Mar-05		No	N/A
Long lead for 1 LRE (FY06)			ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C		Mar-05		No	N/A
FY 2006												
Global Hawk	4		ASC/RAK		SS	TBD	Ryan Aeronautical (Rancho Bernardo, C		Nov-05	Apr-07	No	N/A
MCE	1		ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C	Center,	Nov-05	Apr-07	No	N/A
LRE	1		ASC/RAK		SS	TBD	Ryan Aeronautical (Nov-05	Apr-07	No	N/A

P-1 Shopping List Item No. 21

Procurement History and Planning Exhibit P-5A, page 5 of 18

Exhibit P-5A, Procurement History and Planning		Date: February 2002
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. 21	High Altitude Endurance - UAV
W C	C. Him. Reserve Constitute of	

Weapon System					Subline Ite	m Continued					
			Location of	RFP Issue	Contract	Contract		Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Type	Contractor and Location	Date	Delivery	Now?	Available?
							Rancho Bernardo, CA				
Long lead for 10 Global Hawks (FY07)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-06		No	N/A
Long lead for 2 MCEs (FY07)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-06		No	N/A
Long lead for 2 LREs (FY07)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-06		No	N/A
FY2007											
Global Hawk	10		ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Nov-06	Apr-08	No	N/A
MCE	2		ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Nov-06	Apr-08	No	N/A
LRE	2		ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Nov-06	Apr-08	No	N/A
Long lead for 10 Global Hawks (FY08)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-07		No	N/A
Long lead for 2 MCEs (FY08)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-07		No	N/A
Long lead for 2 LREs (FY08)			ASC/RAK		SS	TBD	Ryan Aeronautical Center, Rancho Bernardo, CA	Mar-07		No	N/A

Remarks

An RFP for the LRIP contract was issued 3 May 01.

An advance procurement contract was awarded 11 June 01 for Global Hawk long-lead activities / parts for the FY02 production buy.

Long lead for production began in FY01, for delivery in FY03. Total lead time for air vehicles and ground stations is 25 months from receipt of order; 6-8 months for long lead of air vehicles or ground station components, 18-21 months for long lead of payloads components, and 16-18 months for fabrication and assembly (estimate). System specs will be delivered in FY03. Contract revision dates are not available at this time.

PBD 817 added funding in FY02 for advance procurement of 2 more aircraft, however there is no additional corresponding funding in FY03 for procurement of 4 aircraft.

P-1 Shopping List Item No. 21

Procurement History and Planning Exhibit P-5A, page 6 of 18

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Production Schedule Exhibit P-21, page 13 of 18

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Exhibit P-40, Budget Iten	n Justifica	tion							I	Date: Febru	uary 2002	
Appropriation (Treasury) Code/C	C/BA/BSA/Ite	m Control Num	ber					P.	1 Line Item No	menclature		
Aircraft Procuremen	t, Air Foi	rce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 22	H	igh Altitu	de Endu	rance - U	AV
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Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Cost (\$ M)												
Advance Proc Cost (\$ M)			21.045	33.500	41.000	41.900	62.000	109.200	155.000		TBD	TBD
Weapon System Cost (\$ M)			21.045	33.500	41.000	41.900	62.000	109.200	155.000		TBD	TBD
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			21.045	33.500	41.000	41.900	62.000	109.200	155.000		TBD	TBD
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

The Global Hawk Program consists of the RQ-4A Unmanned Aerial Vehicle (UAV), the AN/MSQ-131 Ground Segment (GS), and the support system. The GS consists of the Mission Control Element (MCE) and the Launch and Recovery Element (LRE). The Global Hawk System is designed to provide continuous, all-weather, day/night, wide-area surveillance and reconnaissance and includes the communications and interfaces with other theater systems required to support joint tactical warfighters at various levels of command. Global Hawk is an autonomous, high-altitude, long-endurance unmanned aircraft that is directly responsive to theater tasking. Global Hawk will integrate with the existing tactical airborne reconnaissance architectures for tasking, mission planning, data processing, exploitation, and dissemination. It includes an Integrated Sensor Suite (ISS) which contains Synthetic Aperture Radar (SAR) with Ground Moving Target Indicator (GMTI) capability, along with an electro-optical (EO)/infrared (IR) camera. It is designed to provide up to 40,000 sq. nmi. of search radar imagery and electro-Optical (EO) or infrared (IR) imagery per mission. Global Hawk is designed as a standoff imagery platform, with the capability to operate in low-to-moderate air defense threat environments, and collect imagery while looking deep into high-threat areas.

Initial spares for the Global Hawk Program are included in the weapon system cost line. The Global Hawk Program will not separately budget for initial spares. The program intends to include initial spares and support equipment under the low-rate initial production (LRIP) contract as part of the Reformed Supply Support Program (RSSP). The LRIP contract, to be awarded in FY02, will fund these requirements initially with Budget Program (BP) 10 funding. Under interim supply support (ISS), the contractor will provide spares as a capability, to achieve an agreed-to availability rate. The amount of initial spares will not be separately priced or provided to the Air Force.

The Global Hawk Program will award a logistics support contract to fund Interim Contractor Support (ICS) in FY02.

Flyaway Cost includes recurring production for the Global Hawk system (aircraft and GS) plus Systems Engineering /Program Management, Engineering Change Orders, Systems Test and Engineering, and Non-Recurring Tooling. Weapon System Cost includes the Flyaway Cost plus interim supply support, ICS, operational site activation, data, support equipment, and training. These costs fluctuate throughout the FYDP due to the timing of ground stations and new sensor capabilities, including a SIGINT

P-1 Shopping List Item No. 22

Budget Item Justification Exhibit P-40, page 1 of 4

Exhibit P-40, Budget Item Justification	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22	High Altitude Endurance - UAV
	Advance Procurement

Description Continued

capability starting in FY06.

FY 2003 Program Justification

Global Hawk transitioned from an Advanced Concept Technology Demonstration (ACTD) to a DoD 5000 ACAT 1D acquisition program during FY01. An Acquisition Decision Memorandum was signed 6 Mar 01, approving entry into Engineering and Manufacturing Development (EMD) using spiral development and authorizing Low-rate Initial Production (LRIP). Throughout the FYDP, the program will continue spiral development to enhance the design of the system to meet Operational Requirements Document (ORD) performance and capabilities.

In FY02, the Global Hawk LRIP program will commence procurement of two air vehicles and one MCE (with advance procurement in FY01 and delivery starting in FY03). In FY03, the Global Hawk LRIP program will procure two aircraft and one LRE (with advance procurement in FY02 and delivery in FY04). In FY04-06, the Global Hawk LRIP program will procure four aircraft and one GS. In FY07, the Global Hawk full-rate production program will procure ten aircraft and two GSs.

Advance procurement purchases long-lead components for the aircraft and ground stations. Long lead for production began in FY01 for delivery in FY03. Total lead time for aircraft and ground stations is 25 months from receipt of order; 6-8 months for long lead of aircraft or ground station components, 18-21 months for long lead of payload components, and 16-18 months for fabrication and assembly.

P-1 Shopping List Item No. 22

Budget Item Justification Exhibit P-40, page 2 of 4

Exhibit P-10 p.1, Ad (Page 1 - Funding)	vance Proce	urement Re	quirements	s Analysis						Date: Febru	uary 2002	
Appropriation (Treasury) C	Code/CC/BA/BS	A/Item Control	Number					Р	-1 Line Item No	omenclature		
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Weapon System						First System	n Award Date	e		First System	n Completion	Date
HAE_AP					'		Jun-	-01			Jun-03	
					(\$ in Mi	illions)						
<u>Description</u>	<u>PLT</u>	When Rqd	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
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GFE				0.319	 	1.000	+ + +		1		TBD	6.319
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Design				N/A	N/A	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	. N/A	N/A	0.000
TOTAL AP		<u> </u>		21.045	33.500	41.000	41.900	62.000	109.200	155.000	0.000	463.645

Description:

CFE and GFE figures are the long lead funding costs for Global Hawk and GS (MCE and LRE).

P-1 Shopping List Item No. 22

Advance Procurement Requirements Analysis
(Page 1 - Funding)

Exhibit P-10 p.1, page 3 of 4

Exhibit P-10 p.2, Adv (Page 2 - Budget Jus		rement Re	quirement	s Analysis						Date: Febr	uary 2002	
Appropriation (Treasury) Co Aircraft Procuren				ivity 04, 0	Other Air	craft, Iten	n No. 22		P-1 Line Item N High Altitu Advance I	ude Endu		JAV
Weapon System HAE_AP												
					(TOA, \$	in Millions)						
	D. T.		W. i. G	2004 0774	2001 Contract Forecast	2001 Total Cost	2002 0774	2002 Contract Forecast	2002 Total Cost		2003 Contract Forecast	2003 Total Cost
<u>Description</u>	<u>PLT</u>	<u>OPA</u>	Unit Cost	2001 OTY	<u>Date</u>	Request	2002 OTY	<u>Date</u>	Request	2003 OTY	<u>Date</u>	Request
End Item							2		116.581	2		104.861
	Т			l	I 01	T	1	M 02	1		M 02	T
CFE	+ +				Jun-01			Mar-02			Mar-03	+
Payload	22	1	3.969	2		7.937						+
Aircraft Lead Items	25	1	6.395	2		12.789				 		+
Payload	22	1	6.950			12.709	2		13.900	 		
Aircraft lead items	25	1	8.350				2		16.700			<u> </u>
LRE Lead items	20	1	1.900				1		1.900			
CGS Components	20	1	4.400						1.500	1		4.400
Payload	22	1	4.525							4		18.100
Aircraft Lead items	25	1	4.375							4		17.500
GFE						0.319			1.000			1.000
											•	•
EOQ	N/A								N/A			N/A
Design	N/A								N/A			N/A
Term Liability	N/A								N/A			N/A
TOTAL AP						21.045			33.500			41.000
Description:												

P-1 Shopping List Item No. 22

Advance Procurement Requirements Analysis (Page 2 - Budget Justification Exhibit P-10 p.2, page 4 of 4

Exhibit P-40, Budget Item	n Justificat	ion								Date: Febrເ	ary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	nber					P-1	Line Item Nor	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 04, Otl	her Aircr	aft, Item	No. 23	PF	REDATO	RUAV		
Program Element for Code B	Items:	35205F			Other Relat	ed Program	Elements:		27245F			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A	49	7	6	7	7	8	9	9		TBD	TBD
Total Proc Cost (\$ M)		265.503	30.014	35.783	23.068	23.741	27.486	31.274	31.971		TBD	TBD

Description

- 1. In FY02, Predator received \$167.6M as part of the Defense Emergency Relief Fund (DERF). Funding was used to outfit Predator with the Multi-spectral Targeting System (MTS) laser designator/sensor turret and Hellfire missile launch capability, provide enabling improvements, purchase four additional Predator aircraft, and purchase three Predator-B aircraft in support of operation Enduring Freedom. An additional \$26M in the final increment is pending release and will be used to complete the MTS retro-fit and enabling improvements. This funding is not reflected in the FY02 program total.
- 2. In FY03, the Predator anticipates receiving \$124.0M from the Cost of War Transfer Account. These funds are not included in the FY03 Air Force baseline. Funding will be used to begin the procurement of 3 additional MQ-9 Predator B squadrons and accelerate current RQ-1 Predator A production.

The RQ-1 Predator 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. Congress added production funds in FY00 for laser/EO/IR capable turret. Air Force funded the procurement of a permanent laser designator for use with precision guided munitions in FY02. In addition, Congress added production funds in FY02 for three Predator-B aircraft.

FY 2003 Program Justification

Procurement funding includes system production, production support, engineering services, and acceptance testing and evaluation. FY01 funding supported the procurement of attrition air vehicles and ice protection kits. FY02 funds support the procurement of attrition air vehicles to replace the air vehicles that crashed during the past 18 months. FY03-07 funds procure attrition air vehicles.

P-1 Shopping List Item No. 23

Budget Item Justification Exhibit P-40, page 1 of 15

Exhibit P-5, Weapon System Cost Analysis	s							Date: Feb	ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control						•	P-1 Line Item N	Iomenclature		
Aircraft Procurement, Air Force, Bu	udget A	ctivity 04	, Other Ai	rcraft, Ite	<u>m No. 23</u>	<u>, </u>	PREDATO	JR UAV		
Manufacturer's Name/Plant City/State Location			· ·	Subline Item						
General Atomics ASI/Rancho Bernardo/CA										
Weapon System	Ident				Total Cos	st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
	1	,	1 [Total			Total	<i>l</i> '	1	Total
	₩	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
System: Air Vehicles, Data Links, SARs, GCS,	A	1	1				 	<i>i</i> '	1	Ţ
PPSL	4	<i></i> '	4		'	1	└	 '	4	
Air Vehicles, Predator	A	7		29.664	6		16.483	7		20.273
Air Vehicles, Predator-B	A	!			3		17.000	'		
P3I	A	<u> </u>					1.200			1.224
Production Support	A	!		0.350	'		0.350	<u> </u>		0.996
Interim Contractor Logistic Supprt	A	!						<u></u> '		
Integrated Logistics Support*	A	!					0.750			0.575
Laser Targeting Designator**	A	!			'					
		! !					<u> </u>	<u></u> '		
TOTAL PROGRAM		!		30.014			35.783			23.068
Comments										
*Integrated Logistics Support includes Spares.		 _								
** FY00 Congressional add to integrate existing 1	laser desig	mators with	(SR canability	/						

P-1 Shopping List Item No. 23

Weapon System Cost Analysis Exhibit P-5, page 2 of 15

Exhibit P-5A, Procurement		•							te: Februa	ry 2002	
Appropriation (Treasury) Code/CC/E								Line Item Nome			
Aircraft Procurement,	<u> Air F</u>	orce, B	udget Acti	vity 04,	Other Ai	rcraft, Iten	n No. 23 P	REDATOR	UAV		
Weapon System					Subline Iter	m					
PRED											
									Date of	Specs	Date
			Location of	RFP Issue	Contract	Contract		Award	First	Available	Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Location	n 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	7		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											
PRED B/General Atomics	3		ASC/RAKB		SS	FFP	PRED B/General Atom		Sep-03	Yes	
ASI							ASI, Rancho Bernardo,	CA			

UNCLASSIFIED PAGE Page 4 - 81

Procurement History and Planning Exhibit P-5A, page 3 of 15

Exhibit P-5A, Procurement		•							Da	te: Februa	ry 2002	
Appropriation (Treasury) Code/CC/				04	041 A1			•	Item Nomer			
Aircraft Procurement,	Air F	orce, Bu	Jdget Acti	vity 04,	Other Air	rcraft, Item	1 No. 23	PREL	DATOR	UAV		
Weapon System					Subline Iter	n Continued						
WBS Cost Elements	Otv	Unit Cost		RFP Issue Date	Contract Method	Contract Type	Contractor and Loca	ntion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY 2003	Qty	Unit Cost	rco	Date	Michiod	Турс	Contractor and Loca	tion	Date	Denvery	TYOW:	Avanabic.
A/V/General Atomics ASI	7		ASC/RAKB		SS	FFP	General Atomics		Dec-02	Nov-03	Yes	
FY 2004	†									<u> </u>		
A/V/General Atomics ASI	7		ASC/RAKB		SS	FFP	General Atomics		Dec-03	Nov-04	Yes	
FY 2005	†					+				<u> </u>		
A/V/General Atomics ASI	8		ASC/RAKB		SS	FFP	General Atomics		Dec-04	Nov-05	Yes	
FY 2006	†					+				<u> </u>		
A/V/General Atomics ASI	9		ASC/RAKB		SS	FFP	General Atomics		Dec-05	Nov-06	Yes	
FY 2007	+	 	 	 		+	+			+		
A/V/General Atomics ASI	9		ASC/RAKB		SS	FFP	General Atomics		Dec-06	Nov-07	Yes	
Remarks										<u>-</u>		
 A system is comprised of for PPSL was procured separate The SAR was procured separate The FY98, FY99 and FY00 	ely und erately	ler a contrac under a con	ct with L-3 Co ntract with No	omm. orthrup Grun	mman (3 SAl	Rs per system)	,					

P-1 Shopping List Item No. 23

Procurement History and Planning Exhibit P-5A, page 4 of 15

Exhibit P-21, Producti	on Sch	nedule																				Dat	.e: F	ebru	uary	200	2		
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Aircraft Procureme	ent, A	ir For	ce, Bu	idget A	ctiv	ity	04, (<u>Oth</u>	er <i>f</i>	۱irc	raf	t, It	em	No	. 23	}		<u> </u> F	PRE	EDA	ATC	RI	JA\	<u>/</u>					
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REMARKS

P-1 Shopping List Item No. 23

Production Schedule Exhibit P-21, page 5 of 15

^{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 Northrup Grumman. PPSL will be procured seperately under a contract with Northrup Grumman. PPSL will be procured seperately under a contract with Northrup Grumman.

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

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

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

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

	PROCUREMENT, Air Force, Budget Activity 04, Other Aircraft, Item No. 23 S																												
Exhibit P-21, Product	ion Scl	hedule																				Da	te: F	ebru	Jary	200	2		
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Production Schedule Exhibit P-21, page 6 of 15

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Exhibit P-21, Product																						Da	te: F	ebru	uary	200	2		
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1999	USAF	11	0			1	1	1	1	1	1	1	1	1	1	1								<u> </u>					0
2000	USAF	7	0			<u> </u>	 										1	1	1	1	1	1	1						0
2001	USAF	7	0	7																					1	1	1	1	3
2002	USAF	6	0	6																									6
2003	USAF	7	0																										7
2004	USAF	7	0	7																									7
2005	USAF	8																											8
2006	USAF	9					<u> </u>	_	_	_																			9
2007	USAF	9		9																									9
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Production Schedule Exhibit P-21, page 7 of 15

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2003	USAF	7																1	1	1	1	1	1		1				(
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TOTAL		53	4	49		1	1	1		1	↓	1	Ш	1		1		1	1	1	1	1	1	↓	1	—	↓	<u> </u>	33
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Production Schedule Exhibit P-21, page 8 of 15

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P-1 Shopping List Item No. 23

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FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 06 – AIRCRAFT SPARES AND REPAIR PARTS FEBRUARY 2002

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Exhibit P-40, Budget Ite	em Justificati	on								Date: February 2002	
Appropriation (Treasury) Code/	/CC/BA/BSA/Item	Control Number	er								
Aircraft Procureme Item No. 59	nt, Air Ford	e, Budge	t Activity	06, Aircr	aft Spare	s and Re	pair Part	s, Ai	rcraft Spa	res and Repair I	Parts
Program Element for Code	B Items:	N/A			Other Relate	ed Program I	Elements:		N/A		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A										
Total Proc Cost (\$ M)			344.017	295.139	275.982	305.931	292.219	244.288	196.802	Continuin	g TBD

Description

Program Description: Aircraft Initial Spares are required to fill the initial pipeline or inventory for all new aircraft systems, including modifications, support equipment, and other production categories. Initial spares include peculiar reparable and consumable components, assemblies, and subassemblies that must be available for issue at all levels of supply in time to support newly fielded end items.

Initial spares are funded in the two program segments described below.

Working Capital Fund (WCF) Spares. Since FY94 the primary means to purchase initial spares is using obligation authority in the WCF. When the spares are delivered this central procurement account will reimburse the WCF. Types of spares in this program segment are Readiness Spares Packages, New Acquisition Spares, Modification Spares, Support Equipment, Other Production, and Consumables.

Exempt Spares. This program segment finances spares that are not purchased through the WCF. The budget authority is a direct cite on the contract. Types of spares in this program segment are Whole Spare Engines, Whole Spare Quick Engine Change Kits, Contractor Logistics Support, Simulators/Trainers, Classified Equipment, and Munitions.

FY 2003 Program Justification

The major portion of the funds are in F-16 Mods, Manned Reconnaissance, Readiness Spares Packages for the KC-135, and JPATS.

Initial Spares for several programs (e.g., C-130J, C-17, and F-22) are not included in BP16. The spares for those programs are purchased under the Reformed Supply Support Program using BP10/11

P-1 Shopping List Item No. 59

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Avionics Armament Software Other Government Furnished Equipment (GFE) Engineering Change Orders (ECO) Nonrecurring Costs									ruary 2002	
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Armament Software Other Government Furnished Equipment (GFE) Engineering Change Orders (ECO) Nonrecurring Costs		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Software Other Government Furnished Equipment (GFE) Engineering Change Orders (ECO) Nonrecurring Costs	A							-		
Other Government Furnished Equipment (GFE) Engineering Change Orders (ECO) Nonrecurring Costs	A									
Engineering Change Orders (ECO) Nonrecurring Costs	A									
Nonrecurring Costs	A									
	A									
Other Costs ELYAWAY COST SURTOTAL	A									
FI VAWAY COST SHRTOTAI	A									
TETAWAT COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment (PGSE)	A									
	A									
•	A									
	A									
	A									
	A									
SUPPORT COST SUBTOTAL	A									
INITIAL SPARES (Budget Program 16)	A			344.017			295.139			275.982
TOTAL PROGRAM				344.017			295.139			275.982
Comments										
				List Item No						st Analysis

xhibit P-18A, Initi	al Spare Funding Summary	Date: February 2002							
propriation (Treasury)	Code/CC/BA/BSA/Item Control Number								
ircraft Procure	ement, Air Force, Budget Activity 06, Aircraft Spare	es and Repair Parts,	Aircraft Spares and Repair Parts						
em No. 59		•	·	-					
Initial Spare Funding Summary									
1 LINE	END ITEM NOMENCLATURE	FY 2001	FY 2002	FY 2003					
1	B-52 Squadron	1.950	2.276	0.81					
2	B-1 Squadrons	12.759	15.363	7.81					
3	B-2 Squadrons	37.298	58.713	8.53					
4	ICBM Helicopter Support	0.000	0.000	0.00					
5	F-15A/B/C/D Squadrons	21.197	12.734	0.00					
6	A-10 Squadrons	0.500	0.726	0.43					
7	F-16 Squadrons	74.193	24.892	64.61					
8	F-15 E Squadrons	9.594	1.212	13.44					
9	Combat Rescue and Recovery	1.000	1.109	2.56					
10	Precision Attack Systems (LANTIRN)	1.193	0.000	0.00					
11	COMPASS CALL	8.072	12.346	13.29					
12	Airborne Warning and Control Systems (AWACS)	21.108	28.344	15.84					
13	Airborne Battlefield Command Control Center	0.000	0.000	0.00					
14	Advanced Communications Systems	0.852	0.000	0.00					
15	Combat Training Range Equipment	1.256	1.379	1.38					
16	JSECST	0.717	0.151	0.81					
17	JOINT STARS	32.212	26.364	1.81					
18	Combat Development	0.100	0.125	0.12					
19	E-4B National Airborne Operations Center	1.160	1.122	0.83					
20	MILSATCOM Terminals	7.029	0.000	2.11					
21	Aerial Targets	0.610	0.101	0.82					
22	Manned Reconnaissance System	56.240	53.155	49.86					
23	C-130 Airlift Squadrons	1.551	9.329	1.92					
24	C-141 Airlift Squadrons	1.969	0.000	0.00					
25	C-5 Airlift Squadrons	4.920	1.730	1.66					
26	C-17 Aircraft	3.138	0.000	0.00					
27	C-130J Program	0.000	0.000	0.00					
28	Airlift Mission Activities	3.441	4.382	1.12					
29	KC-135S	24.073	27.488	22.99					
30	KC-10S	2.344	0.548	0.05					
31	Operational Support Airlift	0.500	0.196	0.37					
32	CV-22	5.548	0.000	11.32					
33	Training	0.889	0.404	0.00					
34	Podded Recon Systems	0.000	0.474	0.46					
	P-1 Shopping Li	st Item No. 59	Initial Spare	Funding Summar					
	F-1 Silopping Li	at itelli NO. Ja		t P-18A, page 3 of					

UNCLASSIFIED PAGE 6 - 3

Exhibit P-18A, Init	tial Spare Funding Summary	Date: February 2002			
Appropriation (Treasury	r) Code/CC/BA/BSA/Item Control Number				
Aircraft Procur	rement, Air Force, Budget Activity 06, Aircraft Spare	es and Repair Parts,	Aircraft Spares and Repair Parts		
Item No. 59	, , , , ,	• ,	•	'	
P-1 LINE	END ITEM NOMENCLATURE	FY 2001	FY 2002	FY 2003	
35	GPS	0.005	2.802	0.000	
36	Depot Maintenance (NON-IF)	3.949	0.104	0.000	
37	Undergraduate Pilot Training	2.601	5.763	7.106	
38	Undergraduate Navigator / NFO TNG	0.049	0.049	0.049	
39	EURO-NATO Joint Jet Pilot Training	0.000	0.018	0.018	
40	Precision Attack System Procurement (PRCATK)	0.000	1.225	3.327	
42	CLOVER	0.000	0.011	0.000	
43	Endurance Unmanned Aerial Vehicles	0.000	0.504	0.497	
44	JPATS	0.000	0.000	39.933	
	TOTAL INITIAL SPARES	344.017	295.139	275.982	

P-1 Shopping List Item No. 59

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

Exhibit P-18A, In	itial Spare Funding		Date: Februa	ry 2002			
	ry) Code/CC/BA/BSA/Item Control Number			•			
Aircraft Procu	rement, Air Force, Budget Activity 06, Aircraft Spare	es and Repair Parts,	Aircraft Spares and R	epair Parts			
Item No. 59	, , , ,	,					
Initial Spare Fund	ling		•				
P-1 LINE	END ITEM NOMENCLATURE	FY 2001	FY 2002	FY 2003			
	WCF SPARES	158.981	124.389	169.85			
	EXEMPT SPARES	185.036	170.750	106.12			
	TOTAL INITIAL SPARES	344.017	295.139	275.98			
	P-1 Shopping Lis	st Item No. 59		nitial Spare Fundin			
			Exhib	it P-18A, page 5 of			

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FY 2003 BUDGET ESTIMATES BUDGET ACTIVITY 07 – AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES FEBRUARY 2002

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FY 2003 BUDGET ESTIMATES BP 12 – APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) FEBRUARY 2002

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) FY2001 FY2001 FY2002 P-1 NOMENCLATURE: AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW) FY2005 FY2006 FY2007

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$167,275	\$207,164	\$180,943	\$223,052	\$226,232	\$208,011	\$198,481

Description:

- 1. This program provides funding for the procurement of replacement organizational and intermediate support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), directly support aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. Items being replaced typically range in age from 10 to 35 years old. As a result, this equipment suffers frequent failures, cannot be economically repaired, and requires spare parts which are no longer available. Many items have become technologically obsolete or must be replaced due to environmental operating constraints. Items of equipment budgeted within this program include: avionics test stations, air conditioners, munitions handling equipment, electronic test sets, maintenance platforms, and automatic test equipment. These items support multiple Air Force weapons systems.
- 2. Items requested in FY03 are identified on the attached P-40A and are representative of items to be procured. Details on FY03 procurements over \$5 Million dollars are provided in the following documents. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 1	Page 1 of 1

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:
AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

DATE: FEBRUARY 2002

PROCUREMENT ITEMS	ID			FY2	2001	FY	2002	FY2003	
PROCUREMENT ITEMS	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AUTOMATIC JET ENGINE TEST SYSTEM (1)	А				\$609				
2. 105 BENCHTOP RECONFIGURABLE AUTOMATIC TESTER (1)	А					5	\$5,784		
3. ANALOG DIGITAL TEST SET II	Α					9	\$6,485		
4. SELF GENERATING NITROGEN SERVICING CART	А			360	\$12,098	361	\$12,526	361	\$13,208
5. LINKLESS AMMUNITION LOADER	Α			82	\$7,900	53	\$4,933	119	\$11,687
6. 305 RADIO TEST STATION	А			2	\$7,238	3	\$4,653	3	\$10,830
7. COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT	А			236	\$4,963	135	\$7,818	134	\$10,668
8. LIQUID COOLANT CART	Α					2	\$1,000	25	\$7,164
9. NEW GENERATION HEATER	А			200	\$2,202	847	\$8,772	847	\$9,217
10. HYDRAULIC COMPONENT TEST STAND	А			2	\$1,831			40	\$8,410
11. ALUMINUM RAIL SETS	Α			3	\$441	60	\$3,900	120	\$7,81 ²
12. ROOF-MOUNTED AIR CONDITIONER MODULE	А					3	\$1,500	240	\$7,702
13. SINGLE CONTAINER ADVANCED RADAR SIMULATOR	А			63	\$4,564	97	\$7,163	79	\$7,220
14. 405 TRANSPORTABLE RADIO TEST STATION	А				\$7,114		\$7,200		\$7,100
15. TRUCK MOUNTED DEICER	Α			38	\$11,581	6	\$1,687	26	\$6,906
16. JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER	А			56	\$17,127	65	\$24,072	60	\$5,400

P-1 ITEM NO 60	PAGE NO: 7 - 2	Page 1 of 2

APPROP CODE/BA:
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:
AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

PROCUREMENT ITEMS	IREMENT ITEMS ID			FY2001		FY2002		FY2003	
T KOOOKEMENT TEMS	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
17. MAINTENANCE PLATFORM, HIGH REACH	А			9	\$5,246	8	\$4,796	8	\$5,036
18. ELECTRONIC SYSTEM TEST STATION	Α				\$15,212		\$11,525		\$5,000
19. RACKMOUNT IMPROVED AVIONICS INTERMEDIATE SHOP TEST STATION	А							2	\$10,078
20. ADVANCED DIGITAL TEST STATION	Α							4	\$16,908
21. ITEMS LESS THAN 5 MILLION DOLLARS	А				\$69,149		\$93,350		\$30,601
Totals:					\$167,275		\$207,164		\$180,943

Remarks:

1. FY03 requirements for Items 1-3 appear on attached Items Less Than \$5 Million budget
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P-1 ITEM NO 60 PAGE NO: 7 - 3 Page 2 of 2

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

SELF GENERATING NITROGEN SERVICING CART

DATE: FEBRUARY 2002

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$12,098	\$12,526	\$13,208	\$9,738	\$203	\$413	\$0

Description:

- 1. The Self-Generating Nitrogen Servicing Cart (SGNSC) is a self-contained, diesel engine powered, four-wheel, towable cart weighing 3,000 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 and will replace three unreliable and obsolete systems: (1) the liquid nitrogen servicing cart, (2) the 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. The SGNSC will reduce manhours required for nitrogen servicing and decrease the deployment footprint for aircraft squadrons, critical to wartime and peacetime missions. 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 will 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. Non-availability of the required quantities of liquid nitrogen in the local area of deployment forces the Air Force to ship and store 400-gallon liquid nitrogen storage tanks. Utilizing the SGNSC will reduce man-hours required for nitrogen servicing and decrease the deployment footprint for aircraft squadrons, which has become critical to current peacetime and wartime missions.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 4	Page 1 of 1

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)									D	ATE:	FEBRU	ARY 200)2	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT E	EQUIPN	MENT (O&I)	P-1 NOMENCLATURE: SELF GENERATING NITROGEN SERVICING CART									
					FY2001			FY2002				FY2003		
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAI COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
							{12,098}			{12,526}			{13,208}	
SGNSC	А				360	33,600	12,096	361	34,699	12,526	361	36,587	13,208	
ONE TIME ENGINEERING FEE(1)							2							
TOTALS:							12,098			12,526			13,208	
(2) Refurbishment of two First Artic														
	P-1 ITEM 60	NO			PAG	E NO : 7 - 5					Pag	e 1 of 1		

BUDGET PROCUREM	UDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)								DATE: FEBRUARY 2002					
APPROP CODE/BA APAF/AIRCRAFT REPL		PORT EQ	UIPMENT (O&I)	P-1 NOMENCLATURE: SELF GENERATING NITROGEN SERVICING CART										
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL					
SGNSC														
FY01 (1)	360	33,600	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA	JAN 01	MAR 01							
FY02 (1)	361	34,699	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA	FEB 02	MAY 02	Y						
FY03 (1)	361	36,587	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUSTRIES, SANTA ANA, CA		MAR 03	Υ						
	P-1	ITEM No	0	PAGE NO 7 - 6	:		Page	e 1 of	1					

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2002 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) LINKLESS AMMUNITION LOADING SYSTEM (LALS) FY2001 FY2002 FY2003 FY2004 FY2005 FY2006 FY2007 **QUANTITY** COST \$0 \$0 \$7,900 \$4,933 \$11,687 \$393 \$1,728 (in Thousands) **Description:** 1. The Linkless Ammunition Loading System (LALS) is a four-wheeled mechanical 20mm ammunition storage, transportation and loading system. It uses a hand crank or pneumatic drive tool to cycle ammunition through the system to load fighter aircraft. While performing this loading function, it simultaneously downloads cleared rounds or spent cases from the aircraft. The ammunition loader interfaces with the M161A1 gun systems and is compatible with all M-series and PGU series 20mm ammunition. The LALS supports the following Air Force aircraft: F-15 and F-16. 2. Failure to procure the LALS may result in delays loading 20mm ammunition onto fighter aircraft resulting in extensive down time between sorties. Lack of this 20mm ammunition loading system could also result in serious degradation to the tactical mission during deployments in threat areas. 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO 7 - 7	Page 1 of 1

WEAPON SYSTEM COST AN	ALYSIS (EXI	IIBIT P	- 5)							ATE:	FEBRU	ARY 20	02	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	IT SUPPORT I	EQUIPM	IENT (O&I)	P-1 NOMENCLATURE: LINKLESS AMMUNITION LOADING SYSTEM (LALS)									
					FY2001				FY2002			FY2003		
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
							{7,900}			{4,933}			{11,687	
LALS	А				82	93,084	7,633	53	93,084	4,933	119	98,208	11,687	
TECHNICAL DATA							267							
TOTALS:							7,900			4,933			11,687	
	P-1 ITEM 60	NO			PAG	E NO: 7 - 8					Pag	e 1 of 1		

BUDGET PROCUREME	NT HISTORY	PLANN	IING (EXHIBIT P- 5/	4)		DATE: FEI	BRUAF	RY 200	2			
APPROP CODE/BA: APAF/AIRCRAFT REPLACE	CEMENT SUPP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLATURE: LINKLESS AMMUNITION LOADING SYSTEM (LALS)								
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			
LALS												
FY01	82	93,084	AFMC/WR-ALC	C/FFP	HYDRAULICS INTL, CHATSWORTH, CA	APR 01	MAR 02					
FY02	53	93,084	AFMC/WR-ALC	C/FFP W/OPT	HYDRAULICS INTL, CHATSWORTH, CA	FEB 02	OCT 02	Y				
FY03	119	98,208	AFMC/WR-ALC	C/FFP W/OPT	HYDRAULICS INTL, CHATSWORTH, CA	DEC 02	FEB 03	Y				
	P-1	ITEM N 60	0	PAGE NO : 7 - 9	:		Page	e 1 of	1			

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2002

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE: 305 RADIO TEST STATION

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$7,238	\$4,653	\$10,830	\$7,291	\$1,000	\$0	\$0

Description:

- 1. The 305 Radar Test Station, also known as the Radio Frequency Benchtop Reconfigurable Automatic Tester (RF BRAT) is a flexible test system built with commercial off the shelf equipment used to support E-3B/C aircraft. It can also be used as general purpose test equipment. The test equipment consists of a systems controller, controller operational software, power source, RF, analog/digital modules and test program sets (TPS). This acquisition will provide a standard commercial test system for a minimum of 78 E-3 Airborne Warning and Control System (AWACS) Line Replaceable Units (LRU)/Shop Replaceable Units (SRU). It will replace at least 14 different obsolete testers, and allow interchangeability of tester hardware between shops, thus reducing work stoppages and eliminating the proliferation of support equipment, greatly reducing logistics support equipment and costs. The TPSs automatically diagnose and troubleshoot failures in E-3B/C LRUs and SRUs. A TPS consists of test software, interface test adapter (ITA), and cables used to connect the ITA to the item under test. Programming is done through a graphical environment, facilitating operator use/training.
- 2. Failure to fund this program will greatly impair the E-3B/C aircraft mission readiness. Incorporation of state-of-the-art TPSs facilitates reductions in testing time and maintenance costs while increasing the aircraft mission capable (MC) rates.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 10	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXH	HIBIT F	P- 5)						D	ATE:	FEBRU	ARY 200	02	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT I	EQUIPI	MENT (O&I)	P-1 NOMENCLATURE: 305 RADIO TEST STATION									
				•	FY2001			FY2002			FY2003			
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	
							{7,238}			{4,653}			{10,830}	
305 RADIO TEST STATION	А				2	1,110,860	2,223	1	1,110,860	1,111	1	1,110,860	1,111	
RF305BJ ENHANCED MODULATOR					1	776,500	777	2	776,500	1,553	2	776,500	1,553	
TEST PROGRAM SETS (TPS)					6	350,000	2,100				17	350,000	5,950	
INDEPENDENT VALIDATION & VERIFICATION							644			519			629	
INTERIM CONTRACTOR SUPPORT							750			750			800	
DATA							744			720			787	
TOTALS:							7,238			4,653			10,830	
REMARKS:														
	P-1 ITEM 60	NO			PAG	SE NO : 7 - 11					Pa	ge 1 of 1		

BUDGET PROCUREMENT H	ISTOR	Y PLANN	IING (EXHIBIT P- 5/	A)		DATE: FE	DATE: FEBRUARY 2002					
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	QUIPMENT (O&I)	P-1 NOMENCLATURE: 305 RADIO TEST STATION								
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			
305 RADIO TEST STATION												
FY01	2	1110,860	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	AUG 01	FEB 02					
FY02	1	1110,860	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	NOV 01	MAR 02					
FY03	1	1110,860	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	NOV 02	MAR 03	Υ				
RF305BJ ENHANCED MODULATOR (1)												
FY01	1	776,500	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	AUG 01	DEC 01					
FY02	2	776,500	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	NOV 01	MAR 02					
FY03	2	776,500	AFMC/WR-ALC	C/FFP	GSA/ATTI/HAUPPAUGE, NY	NOV 02	MAR 03	Υ				
TEST PROGRAM SETS (TPS)												
FY01 (2)	6	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	SEP 01	SEP 02					
FY03 (2)	17	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	MAR 03	MAR 04	Υ				
REMARKS: (1) RF305BJ Enhanced Modulator is an add-on module to the 305 Radio Test Stationit is not a stand-alone piece of equipment. The add-on module allows the 305 Radio Test Station to test high-speed digital aircraft avionics components such as the Joint Tactical Information Distribution System. (2) Warner Robins Air Logistics Center (WR-ALC) determined that competitive contracts with multiple vendors would be most advantageous to the Air Force due to complexity of the test program sets and software. Various contracts available through the following vendors: ATTI, Inc, Hauppauge, NY; TRW, San Bernardino, CA; Warner Robins Air Logistics Center (WR-ALC), Warner Robins, GA; Oklahoma City Air Logistics Center (OC-ALC), Oklahoma City, OK. Multiple awards to existing contracts; award/delivery dates reflect date of first award and delivery.												
	P-1	ITEM N	0	PAGE NO			Page	e 1 of	1			

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2002 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT FY2001 FY2002 FY2003 FY2004 FY2005 FY2006 FY2007 **QUANTITY** COST \$0 \$4,963 \$7,818 \$10,665 \$14,367 \$14,344 \$0 (in Thousands) **Description:** 1. The Common Aircraft Portable Reprogramming Equipment (CAPRE) replaces the Program Loader Verifier (PLV) and Digital Computer System (DCS). The CAPRE will be used on the flightline to reprogram software in aircraft computers, update threat data in electronic warfare pods, perform aircraft diagnostic troubleshooting, and support automated technical orders and related maintenance information systems. This equipment supports the following Air Force weapon systems: A-10, B-52, C-5, C-17, C-130, F-15, F-16, H-60, and MH-53. 2. Modern combat missions rely on the rapid deployment of updated operational flight software and enemy threat information to reduce aircrew vulnerability and enhance mission effectiveness. Current PLVs and DCSs are becoming increasingly unsupportable due to the obsolescence of their internal components. Failure to procure the CAPRE will prevent essential loading of classified mission data onto the aircraft. Without the most current threat data, mission capability will be reduced and could result in the loss of aircraft and life. Maintenance capability will also be degraded, adversely affecting aircraft readiness. 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. P-1 ITEM NO **PAGE NO:** Page 1 of 1 7 - 13 60

WEAPON SYSTEM COST ANAI	WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								D	ATE:	FEBRU.	ARY 200	02
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPI	MENT (O&I))	P-1 NOM COMMON	ENCLA AIRCRAF	TURE: T PORTA	ABLE REF	PROGRA	MMING E	QUIPME	NT	
				I		FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{4,963}			{7,818}			{10,665}
CAPRE	А				236	7,079	1,671	135	7,279	983	134	7,432	996
TECHNICAL ORDER/LICENSES							92			53			55
AIRCRAFT ADAPTER GROUPS (AAG) (1)							3,187			6,601			9,376
DATA							13			31			38
INTERIM CONTRACTOR SUPPORT (ICS)										150			200
TOTALS:							4,963			7,818			10,665
REMARKS: 1. Aircraft Adapter Groups (AAG) a	re required t	o interfa	ace the CAF	PRE and	d the weapo	ns systen	n being loa	aded.					
	P-1 ITEM 60	NO			PAG	E NO: 7 - 14					Pag	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	ING (EXHIBIT P- 5/	A)		DATE: F	EBRUA	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA COMMON AIRCRA	ATURE: FT PORTABLE REPROGRA	AMMING EQL	IPMENT		
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWI DAT		SPECS AVAIL NOW	DATE REV. AVAIL
CAPRE									
FY01	236	7,079	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLOGIES SERVICES IN CHANTILLY, VA	C., JUL (1 SEP 01		
FY02	135	7,279	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLOGIES SERVICES IN CHANTILLY, VA	C., JUN	2 JUL 02	Y	
FY03	134	7,432	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLOGIES SERVICES IN CHANTILLY, VA	C.,	3 JUL 03	Υ	
	P-1	ITEM N 60	0	PAGE NO: 7 - 15			Pag	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2002

APPROP CODE/BA:
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE: LIQUID COOLANT CART

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$0	\$1,000	\$7,164	\$5,731	\$0	\$0	\$0

- 1. The Liquid Coolant Cart (LCC) is a self-contained, trailer-mounted, diesel engine driven cooler, providing chilled coolant to aircraft avionics and radar systems during troubleshooting, maintenance, or testing of these systems. It supplies up to 85 gallons-per-minute (gpm) of cooled dielectric fluid at 5 to 250 pounds per-square-inch (psi) to meet the weapon system requirements. The system removes the electrical equipment heat load prevalent in all modern avionics equipped aircraft. The secondary coolant flow system is used to purge and bleed internal systems ensuring no air or contaminants enter the aircraft's coolant system, thereby reducing critical avionics failures. The LCC will operate in austere circumstances, such as, blowing rain, temperatures between -40 to 125 degrees, desert conditions, salt fog, as well as extreme snow and ice conditions. In accordance with the Age Ground Support Master Plan initiative to reduce proliferation through standardization, this cart will be able to utilize several types of liquid coolants: Polyalphaolefin (POA), Liquid Coolanol for use on the B-1B and the F-22, Ethylene Glycol Water (EGW) found in most fighter/bomber aircraft, or Propylene Glycol Water (PGW) for use on the E-3 and the E-4.
- 2. Failure to support this program will result in increased maintenance costs and increased aircraft mission capable rates (MC). Currently there has been a significant increase in "fried" components during ground operations due to the inability of the existing cart to provide adequate cooling to modern avionics components. Items currently in use have exceeded their economic service life. The older units utilize chlorofluorcarbon, R-12, which is a Class 1 ozone depleting substance, whereas, the new unit will utilize the ozone friendly R-134a. It will also comply with engine emissions regulated under the Environmental Protection Agency (EPA) standards. By fielding the modern unit, the government will be acting in accordance with the Montreal Protocol Treaty and the Clean Air Act requiring the elimination of R-12 refrigerant. The new cart is over 8,000 ponds lighter than the existing cart, takes up 1 versus 2 pallet positions, and is a four-wheeled rolling stock, thereby reducing the mobility/deployment footprint by over 50 percent.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 16	Page 1 of 1

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)									D	ATE:	FEBRU.	ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIP	MENT (O&I))	P-1 NON	MENCLA OOLANT (TURE: CART						
				L.		FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	IDENT	QTY	UNIT	TOTAL	L QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
										{1,000}			{7,164}
LIQUID COOLANT CART (1)	А							2	375,000	750	25	286,568	7,164
TECHNICAL DATA									250,000	250			
TOTALS:										1,000			7,164
REMARKS: (1) FY02 procures two First Articles.													
	P-1 ITEM 60	NO			PA	GE NO : 7 - 17					Pag	ge 1 of 1	

BUDGET PROCUREMENT HI	STORY	PLANN	IING (EXHIBIT P- 5	A)		DATE: FE	BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	NT SUP	PORT EC	UIPMENT (O&I)	P-1 NOMENCLA LIQUID COOLANT					
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
LIQUID COOLANT CART									
FY02	2	375,000	AFMC/WR-ALC	C/FFP	UNKNOWN	FEB 02	JAN 03	Υ	
FY03	25	286,568	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	JAN 03	JUL 03	Y	
	P-1	ITEM N 60	0	PAGE NO : 7 - 18	:		Pag	e 1 o	f 1

BUDGET ITEM JUSTIFICAT	ION (EXHIBIT	P-40)				DATE	: FEBRUARY	2002
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUPPORT	EQUIPMENT (O		IOMENCLATI GENERATION				
			I					

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$2,202	\$8,772	\$9,211	\$9,755	\$9,950	\$11,437	\$11,608

- 1. The New Generation Heater is a wheeled, trailer-mounted, duct-type heater primarily used to provide personnel comfort while performing aircraft maintenance. It heats aircraft cockpits, engines, cargo areas, and temporary structures in various environments using multiple fuels. FY03 continues a total replacement program, which began in FY99 to replace current systems that have become increasingly difficult and costly to maintain. Additionally, numerous replacement parts are no longer available due to obsolescence. The following aircraft are supported by this heater: A-10, B-1, B-52, B-2, C-5, C-9, C-12, C-21, C-130, E-3, E-4, F-15, F-16, F-117, H-1, H-53, and KC-10.
- 2. Failure to procure this New Generation Heater will result in the continued costly repair of old, unreliable units and high man-hour expenditures. Heaters currently in use have well exceeded their estimated service lives. Without new replacements, units will be unable to perform flightline tasks with a resulting impact on mission readiness.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 19	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXH	HBIT F	P- 5)						С	ATE:	FEBRU	ARY 20	02
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT I	EQUIPI	MENT (O&I)	P-1 NOM NEW GEN	ENCLA ERATION	TURE:	₹					
				<u> </u>		FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{2,202}			{8,772}			{9,211
NEW GENERATION HEATER	А				200	10,870	2,174	888	9,875	8,769	888	10,369	9,208
DATA							5						
TRAINING (TYPE I)							9			3			3
REFURBISHMENT OF FIRST ARTICLE UNITS							14						
TOTALS:							2,202			8,772			9,211
	P-1 ITEM 60	NO			PAG	E NO: 7 - 20					Pag	je 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5	A)		DATE: FE	BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	QUIPMENT (O&I)	P-1 NOMENCLA NEW GENERATIO					
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
NEW GENERATION HEATER									
FY01	200	10,870	AFMC/WR-ALC	OPT/FFP	POLARTHERM, LUVIA, FINLAN	D JUN 01	DEC 01		
FY02	888	9,875	AFMC/WR-ALC	OPT/FFP	POLARTHERM, LUVIA, FINLAN	D FEB 02	MAY 02	Υ	
FY03	888	10,369	AFMC/WR-ALC	OPT/FFP	POLARTHERM, LUVIA, FINLAN	ID NOV 02	FEB 03	Υ	
	P-1	ITEM N 60	0	PAGE NO : 7 - 21			Pag	e 1 o	f 1

APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) FY2004 FY2003 FY2003 FY2004 FY2005 FY2005 FY2005 FY2005 FY2007

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$1,831	\$0	\$8,410	\$8,033	\$8,112	\$4,706	\$2,822

- 1. The Hydraulic Component Test Stand (HCT-20) checks serviceability of aircraft components prior to installation, pressure checks locally manufactured hoses, and tests repaired aircraft hydraulic components. It is comprised of two sections. The first section is the drive console which houses a drive panel, pump mounting pad, and a skid that contains a variable speed direct current electric drive motor with associated parts. It also contains a high pressure system hydraulic pump with electric drive motor, volume control, high pressure filter, and ripple filter. The second section is a control console containing controls, indicators, and ports used during test stand operation.
- 2. Failure to procure the HCT-20 will result in continued costly repair of old, worn out units and high manpower expenditures. Current stands have numerous parts that are no longer available through the supply system due to obsolescence. Without this item, field activities would have no method to check components obtained from stock prior to installation on the aircraft. This item eliminates the need to use the aircraft as a test bed.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 22	Page 1 of 1

WEADON OVOTEN COOT ANA												4 D) (00)	20
WEAPON SYSTEM COST ANA	LYSIS (EXF	<u></u>	'- 5) 							DATE:		ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT I	EQUIPN	MENT (O&I)	P-1 NOM HYDRAULI	ENCLA IC COMP	TURE: ONENT T	EST ST/	AND				
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{1,831}						{8,410}
HYD COMP TEST STAND (1)	А				2	\$706,305	1,413				40	\$210,251	8,410
TECHNICAL MANUALS							\$161						
DATA							\$228						
TRAINING, TYPE I			1		1		\$29						
TOTALS:							1,831						8,410
	P-1 ITEM 60	NO			PAG	E NO: 7 - 23					Pag	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5/	A)		DATE: FE	BRUAI	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	QUIPMENT (O&I)	P-1 NOMENCLA HYDRAULIC COME	ATURE: PONENT TEST STAND				
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	EIDET	SPECS AVAIL NOW	DATE REV. AVAIL
HYD COMP TEST STAND									
FY01 (1)	2	706,305	AFMC/WR-ALC	C/FFP	HYDRAULIC INTERNATIONAL, CHATSWORTH CA	FEB 01	JAN 06		
FY03	40	210,251	AFMC/WR-ALC	OPT/FFP	HYDRAULIC INTERNATIONAL, CHATSWORTH CA	NOV 02	JUL 03	Υ	
production models and delivered a	as last pi	roduction	units.						
	P-1	ITEM N	0	PAGE NO:			Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)		DATE: FEBRUARY 2002
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ALUMINUM RAIL SET	

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$441	\$3,900	\$7,811	\$7,959	\$4,469	\$0	\$0

- 1. The Aluminum Rail Set is a multi-configuration munitions transport adapter that provides interface between the transport trailer and the munition being transported. It consists of aluminum rails with rollers, support structures and trolley assemblies. The trolleys glide the length of the rollerized rails while carrying the munitions. These rails are the only way to configure trailers to carry the Joint Air-to-Surface Stand-Off Missile (JASSM), Joint Direct Attack Missile (JDAM), General Purpose Bombs, Guided Bombs and the latest technology/soft skinned weapons safely and efficiently and are the cornerstones of an interoperable, easily deployable universal rail system. This system will support the bomb loading on any weapon system in the Air Force including the F-16C, F-15E, B-2, B-52H, and B1B.
- 2. Failure to procure the Aluminum Rail Sets will prevent transporting and loading of JASSM/JDAM and other soft skinned munitions, increasing turn around times between sorties. Without the Aluminum Rail Set, personnel will be forced to load one bomb at a time from the bomb build area. FY03 continues procurement of these rail sets.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 25	Page 1 of 1

WEAPON SYSTEM COST ANA	ZEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)								D	DATE:	FEBRU	ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPI	MENT (O&I))	P-1 NOM ALUMINUM	ENCLA II RAIL SI	TURE:						
				<u> </u>	-	FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{441}			{3,900}			{7,811}
ALUMINUM RAIL SET (1)	А				3	127,677	383	60	64,000	3,840	120	65,088	7,811
ENGINEERING DATA							58			60			
TOTALS:							441			3,900			7,811
	P-1 ITEM 60	NO			PAG	E NO: 7 - 26					Pag	ge 1 of 1	

BUDGET PROCUREMENT HI	STORY	/ PLANN	ING (EXHIBIT P- 5/	A)		DATE: FEBRUARY 2002			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	IT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLATURE: ALUMINUM RAIL SET					
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
ALUMINUM RAIL SETS									
FY01	3	127,677	AFMC/WR-ALC	DO/FFP	MTI INC. CRESTVIEW, FL	JUN 01	APR 02		
FY02	60	64,000	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	APR 02	SEP 02	Υ	
FY03	120	65,088	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	DEC 02	APR 03	Υ	
	P-1	ITEM N 0	0	PAGE NO : 7 - 27	:		Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: P-1 NOMENCLATURE:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

ROOF-MOUNTED AIR CONDITIONER MODULE

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$0	\$1,500	\$7,702	\$6,127	\$0	\$0	\$0

- 1. The Roof-Mounted Air Conditioning Module (RACM) is a compact, lightweight, air cycle air conditioner that will be mounted on top of the existing A/M32A-60 ground power unit (-60 generator cart). The RACM uses bleed air from the -60 cart and is capable of delivering up to 100 pounds-per-minute (ppm) of 55-200 degrees Fahrenheit air to cool aircraft avionics during ground maintenance. The RACM will operate in extreme climate conditions such as, blowing rain, temperatures between -65 to 125 degrees, desert conditions, salt fog, and up to 100 percent humidity. The RACM will reduce the need for the A/M32C-10 series trailer air conditioners (which are also used in conjunction with the -60 generator carts) thereby reducing unit deployment footprints. The RACM will support all tactical fighter aircraft: the F-15, F-16, and F-117.
- 2. Failure to procure the RACM will lead to an increase in sortie abort rates and a reduction in mission capable rates. The new suites of avionics equipment used in the tactical aircraft fleet are state of the art and capable of processing vast amounts of data. With this capability comes a dramatic increase in the amount of heat put off by the components. The field has well documented cases of components "frying" as a result of inadequate cooling air provided during troubleshooting and pre-flight operations. Without RACM, maintenance personnel will not be able to do prevent operations checks, pilots will have to curtail preflight checks, and replacement costs for these high priced components will dramatically increase. RACM provides the only way to ensure high dollar/heat sensitive components are protected.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needs to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 28	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXI	IBIT F	P- 5)						D	ATE:	FEBRU/	ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPI	MENT (O&I))	P-1 NON	MENCLA DUNTED A	TURE: AIR COND	ITIONER	MODULE	Ξ			
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
										{1,500}			{7,702}
RACM (1)	А							3	60,000	180	240	32,092	7,702
INDEPENDENT VALIDATION & VERIFICATION										720			
TECHNICAL DATA										600			
TOTALS:										1,500			7,702
	P-1 ITEM 60	NO			PAG	GE NO : 7 - 29					Pag	je 1 of 1	

TEM QTY COST	BUDGET PROCUREMENT H	UDGET PROCUREMENT HISTORY PLANNING (EXHIBIT F					DATE: FEI	BRUAF	RY 200	2		
TEM QTY COST		NT SUP	PORT EQ	UIPMENT (O&I)								
FY02		QTY.		LOCATION OF PCO				FIRST	AVAIL	DATE REV. AVAIL		
FY03 240 32,092 AFMC/WR-ALC C/FFP W/OPT UNKNOWN APR 03 OCT 03 Y REMARKS: P-1 ITEM NO PAGE NO: Page 1, of 1	RACM											
REMARKS: P-1 ITEM NO PAGE NO: Page 1, of 1	FY02	3	60,000	AFMC/WR-ALC	C/FFP	UNKNOWN	MAR 02	JUN 03	Υ			
P-1 ITEM NO PAGE NO: Page 1 of 1	FY03	240	32,092	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	APR 03	OCT 03	Υ			
P-1 ITEM NO PAGE NO: Page 1 of 1												
[60] [7-30] [1 49 1 51 1		P-1	ITEM N (0	PAGE NO : 7 - 30	:		Pag	e 1 o	f 1		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2002

APPROP CODE/BA:
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:SINGLE CONTAINER ADV RADAR SIMULATOR

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$4,564	\$7,163	\$7,220	\$8,246	\$14,293	\$14,865	\$5,334

- 1. The Single Container Advanced Radar Simulator (SCARS), commonly referred to as a "Squirt Box", is a highly sophisticated, portable tester used to perform dynamic stimulation of various aircraft Electronic Combat (EC) systems by simulating the parameters of enemy radar. SCARS replaces the AN/APM-427 Improved Radar Simulator (IRS) Squirt Box as the only EC free-space radiating support equipment in the Air Force inventory. It will provide an organizational-level flight line capability for verifying operational status of aircraft-installed EC systems that is much more efficient, maintainable, and reduces mobility footprint by fifty percent (current system requires four squirt boxes; this replacement requires only two). This equipment supports the following Air Force weapon systems: A-10, B-1, B-2, B-52, C-130, C-141, F-15, F-16, and MH-53.
- 2. Failure to procure this item would result in Air Force dependence on an unreliable, increasingly difficult to support, 20-year old system. If the current system is not replaced with SCARS, the Air Force will experience an increased degradation of mission capability and seriously impact aircrew/aircraft survivability and mission accomplishment. SCARS' smaller and lighter design will reduce the mobility footprint and provide essential technological improvements key to supporting forward basing and rapid deployment under Expeditionary Air Force (EAF) concept.
- 3. Items requested FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force missions.

P-1 ITEM NO 60	PAGE NO: 7 - 31	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXI	HIBIT P	- 5)						D	ATE:	FEBRU	ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPN	/IENT (O&I))	P-1 NOM SINGLE CO	ENCLA ONTAINE	. TURE: :R ADV R/	ADAR SII	MULATOF	₹			
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{4,564}			{7,163}			{7,220}
SCARS	А				63	61,090	3,849	97	63,534	6,163	79	66,075	5,220
TECHNICAL DATA (1)							715			1,000			2,000
TOTALS:							4,564			7,163			7,220
	P-1 ITEM 60	NO			PAG	E NO: 7 - 32					Paç	ge 1 of 1	

BUDGET PROCUREMENT	DGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)						BRUAI	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEM	ENT SUP	PORT EG	QUIPMENT (O&I)	P-1 NOMENCLA SINGLE CONTAINI	ATURE: ER ADV RADAR SIMULATO)R			
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD.			DATE REV. AVAIL
SCARS									
FY01	63	61,090	AFMC/WR-ALC	SS/FFP	AIL SYSTEMS INC, LANCASTE	R CA FEB 0	APR 01		
FY02	97	63,534	AFMC/WR-ALC	OPT/FFP	AIL SYSTEMS INC, LANCASTE	R CA MAR 0	2 JUL 02		
FY03	79	66,075	AFMC/WR-ALC	OPT/FFP	AIL SYSTEMS INC, LANCASTE	R CA DEC 02	2 APR 03	Υ	
Justification and Approval (J&A)									
	P-1	ITEM N 60	0	PAGE NO : 7 - 33	:		Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

405 TRANSPORTABLE RADIO TEST STATION

DATE: FEBRUARY 2002

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$7,114	\$7,200	\$7,100	\$8,881	\$1,000	\$0	\$0

Description:

The 405 Transportable Radio Test Station, also known as the Radio Frequency Transportable-Benchtop Reconfigurable Automatic Tester (RFT-BRAT), is a flexible test system, based on an open architecture of commercial equipment in a modular design used to support E-3B/C aircraft. It can also be used as general purpose test equipment. The RF T-BRAT provides universal analog, dynamic and static digital test points, three phase facility power routing, and dedicated radio frequency paths which reduce the number and complexity of interface test adapters (ITAs). The test equipment consists of, but is not limited to, systems controller, controller operational software, power source, RF modules, analog/digital modules and test program sets (TPS). This procurement provides a transportable standard commercial test system for 78 different E-3 Airborne Warning & Control Systems (AWACS) line replaceable units (LRUs)/shop replaceable units (SRUs). It replaces 14 different existing testers, allowing interchangeability of tester hardware between maintenance shops. This interchangeability reduces work stoppages, eliminates proliferation of support equipment and reduces overall logistics support requirements. The TPSs diagnose and troubleshoot failures in LRUs and SRUs in the E-3B/C while the aircraft is in a deployed environment. A TPS consists of test software, interface test adapter (ITA), and cables used to connect the ITA to the item being tested.

- 2. Failure to procure the 405 Transportable Radio Test Stations TPSs and support would greatly impair the E-3B/C aircraft mission readiness. Incorporation of state-of-the-art TPSs facilitate reductions in testing time and maintenance costs while increasing the aircraft mission capable (MC) rates.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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WEAPON SYSTEM COST ANAL	_YSIS (EXI	HIBIT F	P- 5)						D	ATE:	FEBRU	ARY 200	02
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIP	MENT (O&I)	P-1 NOM 405 TRANS	I ENCLA SPORTAI	TURE: BLE RADI	O TEST S	STATION				
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{7,114}			{7,200}			{7,100}
405 TEST PROGRAM SETS (TPS)					12	350,000	4,200	15	350,000	5,250	15	350,000	5,250
B504 HIGH SPEED DIGITAL TEST SYSTEM	Л А				1	781,000	781						
B507 POWER SUPPLY	А				1	83,000	83						
INDEPENDENT VALIDATION & VERIFICATION							600			450			350
INTERIM CONTRACTOR SUPPORT							750			800			800
DATA							700			700			700
TOTALS:							7,114			7,200			7,100
REMARKS:													
	P-1 ITEM 60	NO			PAG	E NO: 7 - 35					Paç	ge 1 of 1	

BUDGET PROCUREMENT I	BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)								2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	ENT SUPI	PORT EC	UIPMENT (O&I)	P-1 NOMENCLA 405 TRANSPORTA	ATURE: BLE RADIO TEST STATION	N			
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
405 TEST PROGRAM SETS (TPS)									
FY01	12	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	SEP 01	SEP 02		
FY02	15	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	MAR 02	MAR 03	Υ	
FY03	15	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	MAR 03	MAR 04	Υ	
B504 HIGH SPEED DIGITAL TEST SYSTEM									
FY01	1	781,000	AFMC/WR-ALC	C/FFP	ATTI/LONG ISLAND NY	FEB 01	JUN 01		
B507 POWER SUPPLY									
FY01	1	83,000	AFMC/WR-ALC	C/FFP	ATTI/LONG ISLAND NY	FEB 01	JUN 01		
REMARKS: Competetive contracts with multi software. Quantities and unit co Bernadino, CA; Warner Robins A awards to existing contracts; awards	sts will be Air Logistic	negotiate cs Center	ed. Various contracts (WR-ALC), Warner R	are available through obins, GA; Oklahoma	the following vendors: ATT	⁻I, Ínc, Hauppau	ge, NY; ⁻	ΓRW, Sa	ın
	P-1	ITEM N 60	0	PAGE NO 7 - 36			Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) P-1 NOMENCLATURE: TRUCK MOUNTED DEICER

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$11,581	\$1,687	\$6,906	\$4,417	\$3,589	\$3,657	\$4,044

- 1. The Truck Mounted Deicer is a truck-mounted unit which provides deicing, anti-icing and hot air blast capabilities. The mobility of the truck and maneuverability of the aerial boom with enclosed cabin enables the two-man crew access to any area on the aircraft which is normally inaccessible from the ground. The enclosed cabin protects personnel from inclement weather and exposure to the fluids, while utilizing a patented nozzle that shoots out a 700 MPH air stream injected with deicing fluid to remove ice and snow from aircraft surfaces. The operation can use a mix of air and liquid or either one alone. The AF will use less fluid (glycol) consumption and enhance AF mission readiness by reducing time necessary to make aircraft mission capable. The following aircraft are supported by this truck-mounted deicer: B-1, B-52, C-5, C-130, C-141, C-17, C-141, E-8, KC-10, and KC-135.
- 2. Failure to procure the Truck Mounted Deicer will severely delay the mission readiness of all unsheltered aircraft on bases located in cold weather climates. Field units do not have enough hangar space to protect mission required aircraft from snow and ice. This requires units to conduct timely aircraft deicing to meet daily operational requirements.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 37	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXH	IIBIT F	P- 5)						0	ATE:	FEBRU	ARY 200)2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT E	EQUIPI	MENT (O&I)	P-1 NOM TRUCK MO	ENCLA DUNTED	TURE: DEICER						
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
							{11,568}			{1,687}			{6,896}
DEICER	А				38	240,686	9,146	6	281,221	1,687	26	265,215	6,896
TYPE 1 TRAINING							94						
AIR PLUS II SYSTEMS UPGRADE							2,328						
PROTECTIVE COATING							13						10
TOTALS:							11,581			1,687			6,906
	P-1 ITEM 60	NO			PAG	E NO: 7 - 38					Pag	je 1 of 1	
<u> </u>	00					1 - 30	<u> </u>						

BUDGET PROCUREMENT H	DGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)						BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	QUIPMENT (O&I)	P-1 NOMENCLA TRUCK MOUNTED					
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
DEICER									
FY01	38	240,686	AFMC/WR-ALC	OPT/FFP	GLOBAL GROUND SUPPORT OLATHE, KS	APR 01	AUG 01		
FY02	6	281,221	AFMC/WR-ALC	OPT/FFP	GLOBAL GROUND SUPPORT OLATHE, KS	MAR 02	JUL 02	Υ	
FY03	26	265,215	AFMC/WR-ALC	OPT/FFP	GLOBAL GROUND SUPPORT OLATHE, KS	DEC 02	JUN 03	Υ	
	P-1	ITEM N	0	PAGE NO: 7 - 39	:		Paç	ge 1 c	of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) P-1 NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$17,127	\$24,072	\$5,400	\$0	\$0	\$0	\$0

- 1. The Joint Service Electronic Combat System Tester (JSECST) is a flight line end-to-end (ETE) electronic combat system test set capable of verifying system status and providing malfunction diagnostics for Air Force and Navy aircraft. The JSECST will replace the Navy USM-406C/D tester, augment the Navy USM-482A tester, and fill a void in current Air Force electronic combat systems testing capability. Five prototypes in engineering manufacturing development (EMD) were procured with RDT&E funds, documented in the Air Force Descriptive Summaries in PE 64270F. FY03 funding continues support of this tester by procuring test program sets (TPSs) only. This tester supports the following Air Force aircraft: A-10, F-15, and F-16.
- 2. The Combat Air Forces considers the JSECST a top priority procurement item due to the increasing importance of aircraft electronic systems to ensuring aircraft combat effectiveness. Failure to procure the JSECST will leave field level units incapable of flightline electronic system test capability for combat aircraft, ultimately impacting readiness and sortie generation rate.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 40	Page 1 of 1

			J	1101										
WEAPON SYSTEM COST ANAL	YSIS (EXI	HIBIT P-	- 5)						D	ATE:	FEBRU,	ARY 200	02	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPM	ENT (O&I)		P-1 NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER									
						FY2001			FY2002			FY2003		
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				56	184,111	10,310	65	177,220	11,519				
TEST PROGRAM SETS (TPS)					83	65,000	5,395	135	88,911	12,003	60	85,833	5,150	
PRODUCTION NON-RECURRING					1		1,422			550			250	
TOTALS:			1		1 1		17,127			24,072			5,400	
refurbishment, Type 1 training, parts	obsolesend	e, etc.												
	P-1 ITEM 60					E NO : 7 - 41					Paç	ge 1 of 1		

BUDGET PROCUREMENT HISTO		DATE: FE	BRUAF	RY 200	2						
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT S	SUPPORT EQI	JIPMENT (O&I)	P-1 NOMENCLATURE: JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER								
ITEM / QT	Y. UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL			
JSECST											
FY01	56 184,111	AFMC/ASC	SS/FFP	AAI CORP, HUNT VALLEY, MD	AUG 01	JAN 03					
FY02	65 177,220	AFMC/ASC	SS/FFP	AAI CORP, HUNT VALLEY, MD	JUN 02	JAN 04	Υ				
	P-1 ITEM NO 60		PAGE NO : 7 - 42	:		Page	9 1 of	1			

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2002

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

MAINTENANCE PLATFORM, HIGH REACH

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$5,246	\$4,796	\$5,036	\$8,593	\$0	\$0	\$0

- 1. The Maintenance Platform, High Reach, is a completely self-contained, hydraulically operated unit mounted on a truck type carrier. The aerial lift consists of main components such as a turret, inner and outer columns, inner and outer boom and platform. The inner and outer boom and platform are assembled to form an integrated mechanical structure, providing for vertical and horizontal movement. The boom assembly can be extended to a maximum height of 125 feet and has a maximum horizontal reach of 60 feet when the boom is extended to 72 feet. Capacity of the platform is 1,500 lbs. Item is used to work on, remove and install the stabilizer on the C-17 and C-5 aircraft. This item is also used as a deicer on large aircraft. This item is essential in supporting rapid global mobility as there is no acceptable work around in the Air Force inventory for deicing the tail sections of the C-5s and C-17s. The horizontal and vertical stabilizers, as well as the flight control surfaces of these aircraft are located in the tail section. Major US Air Force weapon systems supported by this item include the C-5, C-130, and C-17.
- 2. The High Reach Platform is used for a multitude of maintenance activities. Without the High Reach Maintenance Platform, maintenance and/or overhaul on the C-17/C-5 aircraft (including minor structural repair, component removal/replacement, inspection, lubrication, ground testing, rigging, cleaning, and corrosion controls) will be slowed and delayed awaiting existing lift equipment. Furthermore, all deicing trucks presently in the Air Force inventory are only capable of extending to a vertical distance of about 47 feet. The High Reach Platform, by way of hook-up to a deicing truck, provides exclusive means of deicing the tail sections of C-5s and C-17s. The lack of this item will prevent deicing and will ground the C-5 and C-17 aircraft during the winter months and greatly reduces mission capable status throughout the year.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 43	Page 1 of 1

HIGH REACH A 9 \$5,246 8 \$4,796 8 \$	BUDGET ITEM JUSTIFICATION I	UDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P- 40A)									
CODE	APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT S	SUPPORT	EQUIP	MENT (O&I)	P-1 NO	OMENCI ENANCE PL	ATURE ATFORM,				
CODE QTY. COST QTY.	DDOCUDEMENT ITEMS	ID				FY2001			002	FY2	003
Totals: \$5.246 \$4.796 \$5 Remarks:	PROCOREMENT ITEMS		QT	Y. COST	Γ Q ⁻	TY.	COST	QTY.	COST	QTY.	COST
Remarks: P-1 ITEM NO PAGE NO: Page 1 of 1	HIGH REACH	А				9	\$5,246	8	\$4,796	8	\$5,036
P-1 ITEM NO PAGE NO: Page 1 of 1	Totals:						\$5,246		\$4,796		\$5,036
					P	AGE NO: 7 - 44				Page 1 o	f 1

BUDGET PROCUREMENT HI	JDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)						BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA MAINTENANCE PL	ATURE: ATFORM, HIGH REACH				
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
HIGH REACH									
FY01	9	582,894	AFMC/WR-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP WAC	O TX MAR 01	AUG 01		
FY02	8	599,550	AFMC/WR-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP WAG	O TX MAR 02	MAR 03	Υ	
FY03	8	629,528	AFMC/WR-ALC	MIPR/OPT/FPE	DLA/TIME CONDOR CORP WAC	O TX MAR 03	MAR 04	Υ	
							T		
	P-1	ITEM N 60	0	PAGE NO : 7 - 45			Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

ELECTRONIC SYSTEM TEST STATION

DATE: FEBRUARY 2002

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$15,212	\$11,525	\$5,000	\$5,000	\$5,000	\$5,000	\$5,000

- 1. The Electronic System Test Station (ESTS) is a mobile test station comprised of multiple electronic components which performs 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 (TPS) 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 two pallets to deploy in lieu of the 22 pallets required by the current Avionics Intermediate Shop (AIS) it replaces. It offers increased reliability, maintainability and reduced test cycle times. FY03 requirement is for ESTS Interim Contractor Support and organic repair support start-up costs. The ESTS supports the following Air Force aircraft: F/TF-15 A/B/C/D/E.
- 2. The existing F-15 AIS (developed in the early 1970s) contains obsolete electronic components and has become increasingly unsupportable. The older AIS test stations cannot accommodate existing workloads in high operational tempos 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 is now technologically outdated and virtually impossible to deploy. Procurement of the Electronic System Test Station will eliminate a major cause of downtime and thereby increasing aircraft readiness.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 46	Page 1 of 1

WEAPON SYSTEM COST ANALYS	SIS (EXI	HIBIT P-	5)							DATE:	FEBRU	ARY 20	02
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)					P-1 NOMENCLATURE: ELECTRONIC SYSTEM TEST STATION								
						FY2001			FY200	2		FY2003	
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
							{15,212}			{11,525	}		{5,000}
ESTS	Α												
INTERIM CONTRACTOR SUPPORT (1)							11,274			10,275	5		5,000
GOVERNMENT FURNISHED EQUIPMENT REPAIR / REFURBISH (2)							1,000						
ESTS OVER & ABOVE COSTS(4)							1,481						
USER TRIALS/MATURATION TEST SUPPORT(3)							1,457			1,250)		
TOTALS:							15,212			11,525	5		5,000
REMARKS: 1. Interim Contractor Support provides	inclusive	maintena	nce supp	ort to inc	lude purch	ase of a r	material au	ugmentati	ion pack	age to allo	w for quic	k	

- 1. Interim Contractor Support provides 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.
- 2. Repair/refurbish GFE failures during testing.
- 3. For contractor support in running the various Line Replaceable Units (LRU) across the test station, as well as identifying problems with the LRU's, the test station and any other ancillary equipment associated with the overall system.
- 4. Refurbishment, including repair and calibration, of all Government-owned testers authorized for use during TPS Development, Integration, and System Test and Evaluation.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) P-1 NOMENCLATURE: RACKMOUNT IMPROVED AVIONICS INTERMEDIATE SHOP TEST STATION

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY							
COST (in Thousands)	\$0	\$0	\$10,078	\$10,270	\$10,485	\$10,706	\$0

- 1. The Rackmount Improved Avionics Intermediate Shop (R-IAIS) is a controlled test station that provides performance and diagnostic testing of F-16 avionics line replaceable units (LRUs). The current suite of test equipment takes over 8 pallet positions to deploy. The R-IAIS requires only one pallet position to deploy. The R-IAIS consists of an interface unit, control and display unit, instrument units, microwave stimulus unit, microwave measurement unit, power control unit, power supply unit, blower unit, refrigeration unit, frequency changer unit and optical test bench, and can utilize a commercial off the shelf computer system. The R-IAIS will replace the F-16 full size avionics intermediate shop (AIS) test stations (Displays Indicator, Computer Inertial, Pneumatic Processor and Radio Frequency) which are 17 years old and are becoming obsolete and unsupportable due to outdated technology and disappearing vendors. It will increase capability, reduce equipment down time, and enhance the maintainers trouble-shooting capabilities. FY03 procurement begins a total replacement program of the current F-16 AIS.
- 2. The cost of maintaining the aging AIS test stations has become uneconomical. Maintainability of the F-16 aircraft is becoming increasingly difficult using obsolete and outdated support equipment. The older test stations are becoming unable to accommodate the required testing and are subject to malfunctioning which in turn increases the number of grounded aircraft. The mobile tester will significantly reduce supportability requirements while increasing maintenance capabilities.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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BUDGET ITEM JUSTIFICATION F	OR AGG	REGAT	TED ITEMS (EX	(HIBIT P- 40A)				DATE:	FEBRUARY 2	2002	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT S	UPPORT	EQUIPM	IENT (O&I)	P-1 NOME RACKMOUNT	NCLA IMPRO	TURE OVED AV	: /IONICS INT	ERMEDIATE S	SHOP TEST ST	ATION	
PROCUREMENT ITEMS	ID		l	FY	2001		FY	2002	FY20	FY2003	
PROCOREMENT ITEMS	CODE	QTY.	. COST	QTY.	CC	ST	QTY.	COST	QTY.	COST	
R-IAIS	А								2	\$10,078	
Totals:										\$10,078	
Remarks:											
	P-1 ITEM 6	NO		PAGE I	NO : 49				Page 1 o	f 1	

BUDGET PROCUREMENT H	ISTOR	Y PLANN	IING (EXHIBIT P- 5A	١)		DATE	: FEI	BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EQ	QUIPMENT (O&I)	P-1 NOMENCLA RACKMOUNT IMPI	ATURE: ROVED AVIONICS INTERM	IEDIATE	SHOP	TEST S	TATION	
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
R-IAIS										
FY03	2	5039054	AFMC/OO-ALC	SS/FFP	BAE SYSTEMS, SAN DIEGO, C.	A	NOV 02	DEC 03	Υ	
	P-1	ITEM N	0	PAGE NO:				Pag		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2002 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) ADVANCED DIGITAL TEST STATION FY2001 FY2002 FY2003 FY2004 FY2005 FY2006 FY2007 **QUANTITY** COST \$0 \$0 \$16,908 \$31,366 \$36,624 \$14,013 \$4,768 (in Thousands) **Description:** 1. The Advanced Digital Test Station (ADTS) is a single Commercial Off The Shelf (COTS) system which replaces 1970s vintage Digital Analog Video (DAV) and Digital (DIG) Test Sets which are becoming unsupportable due to obsolescence. The ADTS will be fully automated, programmable, stimulus generating, response measuring, intermediate automatic test equipment providing checkout, alignment, and fault isolation of 134 avionics Line Replaceable Units. This test station supports the B-1 weapons system.

- 2. Failure to provide funding for the Advanced Digital Test Station will cause the B-1 weapons system to suffer mission capable impacts due to non-availability of serviceable assets. The Combat Air Forces considers ADTS a top priority procurement item. The automatic test equipment (ATE) presently used to support the B-1 Line Replaceable Unit (LRU)/Shop Replaceable Unit (SRU) trouble shooting and repair is no longer supportable due to diminished manufacturing sources and obsolescence caused by age of the equipment. The current ATE mission capable rate is near 50% and there is a two-year testing backlog forcing excessive cannibalization of serviceable assets between aircraft.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 60	PAGE NO: 7 - 51	Page 1 of 1

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)							0	ATE:	FEBRU	ARY 200)2		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT I	EQUIPN	MENT (O&I)	P-1 NON ADVANCE	MENCLA ED DIGITA	ATURE: AL TEST S	NOITAT					
				•	FY2001			FY2002			FY2003		
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
ADV DIGITAL TEST STATION	А										4	1500000	6,000
TEST PROGRAM SETS (TPS)											134	59701	8,000
TEST PROGRM SETS (TPS) COPIES/ITAS											23	72087	1,658
INDEPENDENT VALIDATION & VERIFICATION													250
INTERIM CONTRACT SUPPORT													1000
TOTALS:													16,908
	P-1 ITEM 60	NO			PAG	GE NO: 7 - 52					Pag	je 1 of 1	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-			NG (EXHIBIT P- 5A	A)		DATE: FE	BRUAF	RY 200	2
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	IT SUPI	PORT EQI	JIPMENT (O&I)	P-1 NOMENCLA ADVANCED DIGITA					
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
ADV DIGITAL TEST STATION									
FY03	4	1500000	AFMC/OC-ALC	C/FFP	UNKNOWN	DEC 02	DEC 03	Y	
	P-1	ITEM NO		PAGE NO: 7 - 53			Page	e 1 of	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: FEBRUARY 2002 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) ITEMS LESS THAN \$5,000,000 FY2001 FY2002 FY2003 FY2004 FY2005 FY2006 FY2007 **QUANTITY** COST \$50,162 \$55,178 \$69,149 \$93,350 \$30,601 \$65,604 \$60,695 (in Thousands) **Description:** 1. The "Items Less Than \$5 Million" line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable equipment over the life of a weapon system, and consists of over 70,000 national stock numbers (NSNs) items as well as numerous items which are non-stocklisted (NSL). 2. All items have an annual procurement value of less than \$5,000,000 and are designated Code A. Items requested in FY03 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. P-1 ITEM NO **PAGE NO:** Page 1 of 1 7 - 54 60

BUDGET ITEM JUSTIFICATION	ATED ITEMS (E	EXHIBIT P- 40A-IL)			DATE: FEBRUARY 2002			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT EQUIP	MENT (O&I)	P-1 NOMENCI ITEMS LESS THAN	LATURE: N \$5,000,000	<u>.</u>			
							FY20	003
PROCUREMENT ITEMS			NSN	QTY.	COST	QTY.		COST
MAJOR PROCUREMENTS								
C-5 ISOCHRONIC MAINTENANCE PLATF	ORM	17	730001573976RN				1	\$4,085
TRUCK, LIFT, AERIAL		17	730014462422RN				20	\$1,660
B-1B, CONVENTIONAL BOMB MODULE	TEST SET (CBMTS)	49	920014574152EK				5	\$4,418
MAINTENANCE PLATFORM		17	730001583039RN				1	\$1,775
NOISE SUPPRESSOR SYS		49	920010821095RN				1	\$3,785
STORES RELEASE TEST SET		49	920013021169WF				5	\$1,512
105 BENCHTOP RECONFIGURABLE AUT	OMATIC TESTER (BR	AT) 66	625014560079KV				2	\$2,582
DIESEL GENERATOR SET		6	115013894093ID				34	\$2,439
PRELOAD ARMAMENT TEST SET		49	920013016273WF				10	\$1,563
AIR CONDITIONER		4	120013079127RN				11	\$2,169
MINOR PROCUREMENTS (GROUPED BY	FEDERAL SUPPLY C	LASS (FSC))						
FSC 1450 GUIDED MISSILE HANDLING	AND SERVICING EQU	IPMENT						\$22
FSC 1730 AIRCRAFT GROUND SERVICE	ING EQUIPMENT							\$780
		I	1			· · · · · · · · · · · · · · · · · · ·		
	P-1 ITEM NO 60		PAGE NO 7 - 55				Page 1	of 3

BUDGET ITEM JUSTIFICATION	FOR AGGREG	ATED ITEMS (I	EXHIBIT	P- 40A-IL)			DATE: FEBRUARY 2002			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT EQUIP	MENT (O&I)	P-1	NOMENCLA S LESS THAN \$5	TURE: 5,000,000	-				
								FY2	2003	
PROCUREMENT ITEMS				NSN	QTY.	cos	т дт	Υ.	COST	
FSC 1740 AIRFIELD SPECIALIZED TRUC	CKS AND TRAILERS								\$34	
FSC 2330 TRAILERS									\$102	
FSC 3655 GAS GENERATING AND DISP MOBILE	ENSING SYSTEMS, FI	XED OR							\$183	
FSC 3950 WINCHES, HOISTS, CRANES	AND DERRICKS								\$42	
FSC 4120 AIR CONDITIONING EQUIPME	ENT				-				\$74	
FSC 4310 COMPRESSORS AND VACUU	IM PUMPS								\$54	
FSC 4320 POWER AND HAND PUMPS									\$52	
FSC 4510 PLUMBING FIXTURES AND AC	CESSORIES								\$85	
FSC 4520 SPACE HEATING EQUIPMENT	T AND DOMESTIC WA	TER HEATERS							\$46	
FSC 4920 AIRCRAFT MAINTENANCE AN EQUIPMENT, EXCEPT AIRBORNE ELECT		CIALIZED							\$1,008	
FSC 4930 LUBRICATION AND FUEL DISI	PENSING EQUIPMENT	Г							\$115	
FSC 5180 SETS, KITS, AND OUTFITS OF	F HAND TOOLS								\$98	
FSC 5210 MEASURING TOOLS, CRAFTN	MAN								\$24	
FSC 5220 INSPECTION GAGES AND PR	ECISION LAYOUT TO	OLS							\$41	
FSC 6130 CONVERTERS, ELECTRICAL,	, NONROTATING								\$80	
FSC 6625 ELECTRICAL AND ELECTRON TESTING INSTRUMENT	NIC PROPERTIES MEA	SURING AND							\$845	
FSC 6635 PHYSICAL PROPERTIES TEST	TING EQUIPMENT								\$15	
FSC 6650 OPTICAL INSTRUMENTS									\$14	
	P-1 ITEM NO 60			PAGE NO: 7 - 56				Page	2 of 3	

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS	S (EXHIBIT P- 40A-IL)			DATE: FEBR	RUARY 2002
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENO	CLATURE: AN \$5,000,000			
					FY2003
PROCUREMENT ITEMS	NSN	QTY.	COST	QTY.	
FSC 6685 HAZARD DETECTING INSTRUMENTS AND APPARATUS					\$71
NSL NON-STOCKLISTED					\$828
TOTALS:					\$30,601
P-1 ITEM NO 60	PAGE NO 7 - 5	D: 17		F	Page 3 of 3

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FY 2003 BUDGET ESTIMATES BP 13 – POST PRODUCTION SUPPORT FEBRUARY 2002

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Exhibit P-40, Budget Item	n Justificat	ion								Date: Febru	ıary 2002	
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	ber					P-1	Line Item Nor	menclature		
Aircraft Procurement	t, Air For	ce, Budg	et Activit	ty 07, Air	craft Sup	port Equ	uipment a	and A-	10 Post I	Prod Sup	port	
Facilities, Item No. 6°	1											
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:					
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)			2.200	0.000	0.000	0.000	0.000	0.000	0.000			2.200

Description

FY03-07 budget numbers do not reflect the DoD strategic review results.

This activity name has changed from Unit Training Devices (UDTs) to Full Mission Trainer (FMT).

This activity funds required Full Mission Trainers 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 FMT 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 2003 Program Justification

P-1 Shopping List Item No. 61

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

Exhibit P-5, Weapon System Cost Analysi									ruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item I	Nomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 07	, Aircraft	Support E	Equipme	ent and	A-10 Pos	t Prod Su	ıpport	
Facilities, Item No. 61		_								
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed Martin Technology Services, Mesa, AZ	Z									
Weapon System	Ident			•	Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	Α				~ ~					
Armament	Α									
Software	Α									
Other Government Furnished Equipment (GFE)	Α									
Engineering Change Orders (ECO)	Α									
Nonrecurring Costs	Α									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A	1		2.200						
Publications/Technical Data	A									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A			2.200						
TOTAL PROGRAM				2.200						
Comments										
Comments										
			P-1 Shoppir	ng List Item N	lo. 61			_	n System Co	_
									Exhibit P-5,	page 2 of 6

Paper Nomenclature: Unit Training Device (UTD) Fin Plan FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 Total oc 2.200 26.990 25.330 33.950 1.600 90.000 RAINING SYSTEM DESCRIPTION This activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a	xhibit P-43 p.1, Simulator	and Training D	evice Justificati		ACCII ILD		D	ate: February 200	2
eapon System A-10 pulpment Nomenclature: Unit Training Device (UTD) Fin Plan FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 Total oc 2.200 26.990 25.330 33.950 1.600 90. RAINING SYSTEM DESCRIPTION its activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a real avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification				- ·			•		
pulpment Nomenclature: Unit Training Device (UTD) Fin Plan FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 Total oc 2.200 26.990 25.330 33.950 1.600 90. RAINING SYSTEM DESCRIPTION as activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, memorical 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	·	Air Force, Bu	udget Activity	07, Aircraft	Support Equi	pment and	A-10 Post P	rod Support	
pulpment Nomenclature: Unit Training Device (UTD) Fin Plan	acilities, Item No. 61								
Fin Plan FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 Total oc 2.200 2.509 25.330 33.950 1.600 900 RAINING SYSTEM DESCRIPTION is activity funds required Pull Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	Weapon System A-10								
pec 2.200 26.990 25.330 33.950 1.600 90. **RAINING SYSTEM DESCRIPTION** This activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a reat avoidance. **P-1 Shopping List Item No. 61** **Simulator and Training Device Justification**	Equipment Nomenclature: U	nit Training Devi	ice (UTD)						
RAINING SYSTEM DESCRIPTION its activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, memorcial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	Fin Plan	FY 2001		FY 2003					
uis activity funds required Full Mission Trainers which will enable the Combat Air Forces to provide A-10 fighter pilots continuation training at squadron locations to sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	Proc		2.200		26.990	25.330	33.950	1.600	90.070
sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	TRAINING SYSTEM DESC	RIPTION							
sure safety of flight and to maximize pilot proficiency and utilization of their A-10 weapon system. The A-10 FMT Visual System consists of the latest technology, mmercial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification			s which will enable	the Combat Air	Forces to provide A	-10 fighter pilots	continuation traini	ng at squadron loca	ations to
mmercial 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, a reat avoidance. P-1 Shopping List Item No. 61 Simulator and Training Device Justification	• •				•			• •	
P-1 Shopping List Item No. 61 Simulator and Training Device Justification									
P-1 Shopping List Item No. 61 Simulator and Training Device Justification	commercial off-the shelf image	generation system	n and display. This	s system will allow	w A-10 pilots to tra	in visual landing a	approaches, target	acquisition, AGM-	65 launch, and
P-1 Shopping List Item No. 61 Simulator and Training Device Justification	hreat avoidance.								
· · · · · · · · · · · · · · · · · · ·	meat avoluance.								
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· · · · · · · · · · · · · · · · · · ·				P-1 Shonnin	a List Item No. 61	Qiı	mulator and Tra	ining Device Jus	tification (¢
Exhibit P-43 p.1. page 3				i - i Shoppin	y List itelli ivo. Ul	Sil	mulator and ma	_	•
								Fyhihit P-43 n	1 nage 3 of

Exhibit P-43 p.2, Sir	nulator and Tra	aining Device		Date: February 2002								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 61												
Weapon System A-10 Equipment Nomencla		aing Device (U)	Γ D)									
IOC Date		g 2 0 / 100 (0 2										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY	2003		
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST		
	A-10 Units				1	2.200						
<u>TOTAL</u>					1	2.200						

P-1 Shopping List Item No. 61

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

				01102/10	<u> </u>					
Exhibit P-43 p.3, Simulator	r and Training	Device Jus	tification (\$	M)				Date: Fe	ebruary 2002	
Appropriation (Treasury) Code/CC/B								em Nomenclature		1
Aircraft Procurement,	Air Force,	Budget Ac	tivity 07,	Aircraft Su	ipport Equ	iipment and	J A-10 P	ost Prod S	upport	l
Facilities, Item No. 61										
Weapon System A-10										
Equipment Nomenclature: A	ircrew Traine	rs								
Description:										
This activity funds required Ful ensure safety of flight and to m commercial off-the shelf image threat avoidance.	naximize pilot p	proficiency and	utilization of	their A-10 wea	apon system.	The A-10 FMT	Visual System	consists of the	e latest technol	logy,
FINANCIAL PLAN	FY 2	2001	FY:	2002	FY 2	2003	To Con	nplete	Total (Costs
FINANCIAL FLAIN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
	1	2.200	<u>. </u>	<u> </u>			19	87.870	32	96.397
Total Hardware Costs	1	2.200			<u> </u>		19	87.870	32	96.397
Support Costs										
Support Costs							T			
Total Support Costs										
					T					
TOTAL COOTES	 	2 200	<u> </u>	<u> </u>		<u> </u>	10	07.070	22	06.207
TOTAL COSTS	11	2.200			<u></u>		19	87.870	32	96.397
										,

P-1 Shopping List Item No. 61

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

				UNCLAS	SIFIED								
Exhibit P-43 p.4, Simulator			\$tification (\$, М)					ebruary 2002	<u>, </u>			
Appropriation (Treasury) Code/CC/I Aircraft Procurement, Facilities, Item No. 61	Air Force,		ctivity 07,	Aircraft Su	ıpport Equ	lipment and		Item Nomenclatur Post Prod S					
Weapon System A-10													
Equipment Nomenclature: M	<u>laintenance</u>												
Description:													
This page is not required.													
FINANCIAL PLAN	FY 2001 FY 2002 FY 2003 To Complete Total Costs QTY COST QTY COST QTY COST QTY COST QTY COST												
Hardware Costs		QTY COST QTY COST QTY COST QTY COST											
Total Hardware Costs	<u></u>		<u> </u>	<u> </u>	<u> </u>				<u> </u>	<u></u>			
Support Costs													
Total Support Costs													
		T		T									
TOTAL COSTS													

P-1 Shopping List Item No. 61

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

Exhibit P-40, Budget ite	m Justifica	tion								Date: Febru	lary 2002	
Appropriation (Treasury) Code/	CC/BA/BSA/Ite	m Control Nun	nber					P-1	Line Item No	menclature		
Aircraft Procuremen	nt, Air Foi	ce, Budg	et Activi	ty 07, Air	craft Su	pport Equ	uipment	and B-	1 Post P	rod Supp	ort	
Facilities, Item No. 6	32						_					
Program Element for Code	B Items:	N/A			Other Relat	ted Program	Elements:		64226F,111	26F		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)			16.500	6.400	1.969	8.932	12.916	14.071	10.434			71.222

Description

Aircraft Post-Production Support (Budget Program 130000)

FY 2003 Program Justification

MISSION AND DESCRIPTION:

Program Definition: Aircraft Post-Production Support (Budget Program 130000):

Provides funding for acquisition of avionics test stations and interface test adapters to improve the test station mission capable rate and reduce the backlog of untested line replaceable units. In addition, the funding provides for acquisition of depot level tooling required to maintain the B-1B, support the aircraft structural integrity program, prevent grounding of the aircraft, and for requirements which were unknown when the aircraft was initially procured.

Note: FY01 funding overstated by \$13.134M due to accounting error with DFAS.

P-1 Shopping List Item No. 62

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

Exhibit P-5, Weapon System Cost Analysis		Date: February 2002								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control							P-1 Line Item Nomenclature B-1 Post Prod Support			
Aircraft Procurement, Air Force, Bu	udget A	ctivity 0	7, Aircraft	Support E	Equipme	ent and	B-1 Post I	Prod Sup	port	
Facilities, Item No. 62										
Manufacturer's Name/Plant City/State Location				Subline Item						
-										
Weapon System	Ident				Total Co	ost In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				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			1.630			6.400			1.999
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A			1.630			6.400			1.999
Airframe Peculiar Ground Support Equipment (PGSE)	A									
Engine PGSE	Α									
Peculiar Training Equipment	Α									
Publications/Technical Data	Α									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
MRSP's / Reprovisioning Spares	A									
TOTAL PROGRAM				1.630			6.400			1.999
Comments										
			P-1 Shoppir	ng List Item N	o. 62			Weapo	n System Co	st Analysi
									Exhibit P-5,	
										3 - C

Exhibit P-40, Budget Item	n Justificat	ion		Date: February 2002								
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	ber					P-1	Line Item Nor	menclature		
Aircraft Procurement	rcraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and											
Facilities, Item No. 63	3											
Program Element for Code B	Items:	11127F			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)			17.487	12.397	3.279	7.316	7.488	7.632	7.778			63.377

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 nuclear delivery missions consistent with Air Combat Command requirements. Survivability is enhanced by reduction of observable signatures and complementary defense management system. The B-2 employs a low altitude terrain following capibility and a penetration speed commensurate with high probability of survival without unduly penalizing mission range.

FY 2003 Program Justification

The FY 2003 program contains costs associated with peculiar support equipment, s/w investment and program management administrative requirements

P-1 Shopping List Item No. 63

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

Manufacturer's Name/Plant City/State Location				Subline Item						
Northrop Grumman CForp., B-2 Division, Pico R	ivera Ca			Subline Item						
Weapon System	Ident				Total Co	ost In Millions	of Dollars			
Cost Elements	Code		FY 2001		Total Co	FY 2002	or Donais		FY 2003	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A	<u> </u>	l dint dost	0050	<u> </u>	Cint Cost	0050	<u> </u>	Cime Cost	
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A									
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A			4.454			3.700			
Other Costs	A									
FLYAWAY COST SUBTOTAL	A			4.454			3.700			
Airframe Peculiar Ground Support Equipment	A			4.100			3.650			1.829
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A			0.100			3.847			
ECOs	A									
Other	A			0.500			0.500			0.500
SUPPORT COST SUBTOTAL	A		1	4.700			7.997			2.329
S/W INVESTMENT	A			4.800			0.100			0.050
PROG MGMT AMD REQMTS	A			3.533			0.600			0.900
TOTAL PROGRAM				17 487			12 397			3.279
	<u> </u>			17.107			12.377			3.27
Comments										
PROG MGMT AMD REQMTS TOTAL PROGRAM Comments				3.533			0.600			‡ ±

Exhibit P-5, page 2 of 2

Exhibit P-40, Budget Iten	n Justifica	ation								Date: Febru	uary 2002	
Appropriation (Treasury) Code/C Aircraft Procuremen				tv OZ Air	craft Su	nnort Ea	uinment		-1 Line Item No B-2B ICS	menclature		
Facilities, Item No. 6	•	rce, Daag	et Activi	ty or, All	Crart Su	pport Eq	шршеш		J-2D 100			
Program Element for Code E	3 Items:	N/A11			Other Relat	ted Program	Elements:		11127F			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Cost (\$ M)												
Interim Ctr Support (\$ M)			40.389	36.850	33.484	33.362	33.780	23.10	5 11.837			212.807
Advance Proc Cost (\$ M)												
Weapon System Cost (\$ M)			40.389	36.850	33.484	33.362	33.780	23.10	5 11.837			212.807
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			40.389	36.850	33.484	33.362	33.780	23.10	5 11.837			212.807
Flyaway Unit Cost (\$ M)												
Wnn Sye Unit Coet (\$ M)												

Description

Aeronautical Vehicle Interim Contractor Support (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. ICS supports repair of B-2 Aircraft System components and software lab assets. This includes the Line Reparable Units (LRUs), Airframe Structures, Hydro-Mechanical components and Avionics Components.

FY 2003 Program Justification

Interim Contractor Support is required in FY03 to meet ACC's Operational Mission Requirements, to include cannibalization rates*, Mission Capability (MICAP) rates**, Mission Capable (MC) rates*** and deployment capabilities.

*Cannibalization means taking an assembly, subassembly, component or part from an end item for use on another end item. **MICAP rate is driven by unsatisfied demand for a component that causes an aircraft or an engine to be non-operational. ***MC rate is a measure of how long, in percentage, a system can perform at least one of its assigned missions.

P-1 Shopping List Item No. 64

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

Exhibit P-5, Weapon System Cost Analys			Date: Feb	ruary 2002						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control							P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, B	udget A	ctivity 0	7, Aircraft	Support E	Equipme	ent and	B-2B ICS			
Facilities, Item No. 64	•		•	• •						
Manufacturer's Name/Plant City/State Location				Subline Item						
2. Annual Control of C										
Weapon System	Ident			•	Total Co	st In Million	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Interim Contractor Support	A	~ ~		40.389	~ *		36.850	` •		33.484
TOTAL PROGRAM										
<u>Comments</u>										
			P-1 Shoppir	ng List Item N	lo. 64				n System Co	
									Exhibit P-5,	page 2 of 2

Exhibit P-40, Budget Iter	m Justificat	tion								Date: Febru	ary 2002	
Appropriation (Treasury) Code/C	C/BA/BSA/Ite	m Control Num	nber					P-1	1 Line Item Nor	menclature	•	
Aircraft Procuremen	it, Air For	ce, Budg	et Activi	ty 07, Air	craft Sur	pport Equ	uipment :	and C	-130 Post	t Prod Su	pport	
Facilities, Item No. 6	5				_		_					
Program Element for Code I	3 Items:	N/A	·		Other Relat	ted Program	Elements:		PE: 040111	5F		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)			1.353	1.345	10.922	1.354	1.353	0.000	0.000			16.327

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 2003 Program Justification

Provides interim contract support (ICS) for 109 unique items on C-130H3 aircraft and 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 Source of Repair Assignment Process (SORAP).

P-1 Shopping List Item No. 65

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

		Date: February 2002								
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N							P-1 Line Item N			
Aircraft Procurement, Air Force, Bu	dget A	ctivity 0	7, Aircraft	Support E	Equipme	ent and	C-130 Pos	st Prod S	Support	
Facilities, Item No. 65										
Manufacturer's Name/Plant City/State Location				Subline Item						
Weapon System	Ident				Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A									
Armament	A									
Software	A		ļ			-				
Other Government Furnished Equipment (GFE)	A		ļ			ļ				
Engineering Change Orders (ECO)	A		ļ			ļ				
Nonrecurring Costs	A		ļ			ļ				
Other Costs	A		1			-				
FLYAWAY COST SUBTOTAL	A					-				
Airframe Peculiar Ground Support Equipment (PGSE)	A									
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other	A									
ICS	A			1.353			1.345			10.922
SUPPORT COST SUBTOTAL	A			1.353			1.345			10.922
TOTAL PROGRAM										
Comments										
Comments										

				Į	JNCLASS	SIFIED					
Exhibit P-40, Budget Iter										Date: February 200	02
Appropriation (Treasury) Code/C									P-1 Line Item Nor		
Aircraft Procuremen	t, Air Fo	rce, Budg	et Activi	ty 07, Air	rcraft Su	pport Eq	uipment :	and F	E-4 Post Pr	rod Support	
Facilities, Item No. 6	6										
Program Element for Code E	3 Items:	N/A			Other Relat	ted Program	Elements:		N/A		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Con	np Total
Proc Qty	A										
Total Proc Cost (\$ M)			1.372	0.000	0.000	0.000	0.000	0.00	0.000		1.372
to maintain skills during peri		ed aircraft ava	ailability.								

P-1 Shopping List Item No. 66

Budget Item Justification Exhibit P-40, page 1 of 7

			UNCL	ASSIFIED	j.						
Exhibit P-5, Weapon System Cost An	nalysis							Date: Fel	bruary 2002		
Appropriation (Treasury) Code/CC/BA/BSA/Item	Control Number						P-1 Line Item I	Nomenclature)		
Aircraft Procurement, Air Force		ctivity 07	7, Aircraft	Support F	Equipm e	ent and	E-4 Post	Prod Su	pport		
Facilities, Item No. 66											
Manufacturer's Name/Plant City/State Loca	ation			Subline Item							
Weapon System	Ident				Total Co	ost In Million	s of Dollars				
Cost Elements	Code		FY 2001		<u></u>	FY 2002		<u> </u>	FY 2003		
				Total			Total			Total	
	\longrightarrow	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	
Peculiar Training Equipment A 1 1.372											
Other	A										
SUPPORT COST SUBTOTAL	A 1.372										
TOTAL PROCESS	\longrightarrow			1 272			 	<u> </u>	_		
TOTAL PROGRAM				1.372							
Comments											
4											

P-1 Shopping List Item No. 66

Weapon System Cost Analysis Exhibit P-5, page 2 of 7

Exhibit P-5A, Procurement									Da	ite: Februa	ry 2002	
Appropriation (Treasury) Code/CC/E						<u> </u>			e Item Nome			
Aircraft Procurement,	Air F	orce, B	udget Acti	ivity 07,	Aircraft :	Support E	quipment and	E-4 P	ost Pro	d Suppo	rt	
Facilities, Item No. 66					ī							
Weapon System					Subline Iter	m						
E-4B			1			1	1			Tp , c	Ta	ln .
			Location of	RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Pavisions
WBS Cost Elements	Otv	Unit Cost		Date	Method	Type	Contractor and Loca	ation	Date	Delivery	Now?	Available?
Aircrew Training Device	1		Offutt AFB, NE		MIPR	PO	Luke AFB, AZ		Jan-01	Oct-01	No	Aug-00
Remarks			<u> </u>		•	'						
Training simulator will be built	by De	et 1, 1ACC	TRSS, Luke A	AFB, AZ or	a project w	ork order.						
				P-	1 Shopping	g List Item N	0. 66		Proc		-	d Planning
										Exhi	<u>bit P-5A, r</u>	page 3 of 7

Exhibit P-43 p.1, Simulator			tion (\$ M)				Date: February 20	002
Appropriation (Treasury) Code/CC/E						P-1 Line Item Nor		
Aircraft Procurement,	Air Force, Bu	dget Activit	y 07, Aircraft	Support Equ	ipment and	E-4 Post Pi	od Support	
Facilities, Item No. 66								
Weapon System E-4B								
Equipment Nomenclature: Ui								
Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Proc								
TRAINING SYSTEM DESCI	RIPTION							
Training on the E-4B aircraft (4		y mission requir	rements and manda	atory aircraft main	tenance. Training	devices are requi	red to augment flig	nt and
maintenance training. These tra	aining devices will	allow flight crev	and maintenance	personnel to mair	tain skills during j	periods of limited	aircraft availablity.	
			D 1 Channin	ng List Item No. 6	6 6	mulator and Tr	aining Device Ju	estification (¢ M
			r-1 Shoppin	ig List iterii ivo. C)U 3	ווועומנטי מווע דר	_	•
							Exhibit P-43	p.1, page 4 of 7

Exhibit P-43 p.2, Sim	nulator and Tra	aining Device	Justification	(\$ M)				Date:	February 2002	2
Appropriation (Treasury) C	ode/CC/BA/BSA/Ite	em Control Numb	er				P-1 Line	e Item Nomencla	ture	
Aircraft Procurer	nent, Air Fo	rce, Budge	t Activity 0	7, Aircraft	Support Ed	quipment a	nd E-4 F	Post Prod S	Support	
Facilities, Item N	o. 66			•		· ·				
Weapon System E-4B										
Equipment Nomenclat	ture: Unit Train	ning Device (U	ΓD)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY	2002	FY	2003
DEVICE		TIME	TRAINING	STUDENT						
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
				PUT						
AIRCREW	Offutt AFB,	Sep-01	Oct-01	60	1	1.372				
	NE									
TOTAL					1	1.372				

P-1 Shopping List Item No. 66

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.2, page 5 of 7

Exhibit P-43 p.3, Simulator		Date: February 2002									
Appropriation (Treasury) Code/CC/ Aircraft Procurement, Facilities, Item No. 66			tivity 07,	Aircraft Su	ipport Equ	iipment and		ost Prod S			
Weapon System E-4B											
Equipment Nomenclature: A	ircrew Traine	rs									
Description:											
										~	
FINANCIAL PLAN	FY 2	-		2002		2003		mplete	Total Costs		
Hardware Costs	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	
2207077020	1	0.920							1	0.920	
Total Hardware Costs	1	0.920							1	0.920	
Support Costs											
		0.452								0.452	
Total Support Costs		0.452								0.452	
		1		<u> </u>	<u> </u>	1 1		<u> </u>	1 1		
TOTAL COSTS	1	1.372							1	1.372	

P-1 Shopping List Item No. 66

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.3, page 6 of 7

				UNCLAS	SIFIED					
Exhibit P-43 p.4, Simulator			stification (\$	М)				Date: F	ebruary 2002	2
Appropriation (Treasury) Code/CC/	BA/BSA/Item Co	ontrol Number					P-1 Line	ltem Nomenclatu	re	
Aircraft Procurement,	Air Force	. Budaet A	ctivity 07.	Aircraft Su	ipport Eai	uipment and	IE-4 Po	ost Prod Si	upport	
Facilities, Item No. 66		, =	,		-1-1					
i acinties, item No. 00										
Weapon System E-4B										
Equipment Nomenclature: M	laintenance									
Description:										
	FY	2001	FY	2002	FY	2003	To Co	mplete	Tota	l Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs			<u> </u>		<u> </u>		<u> </u>			
		T								
Total Hardware Costs										
Total Haraware Costs			1	1	1	1				
Support Costs										
Support Costs		T	1		Ι	T T				
Total Support Costs	 	+		1		+ +				+
Total Support Costs	<u> </u>									
	T	T	Γ	1	Ι	T T				Т
TOTAL COSTS		+				+				
TOTAL COSTS			ļ.		<u> </u>	<u> </u>		<u>. </u>		
										1
										1
										1
										1
										1

P-1 Shopping List Item No. 66

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 7 of 7

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Exhibit P-40, Budget Item	n Justificat	ion								Date: Febru	ıary 2002	
Appropriation (Treasury) Code/Co	P-1	P-1 Line Item Nomenclature										
Aircraft Procurement	t, Air For	ce, Budg	et Activi	ty 07, Air	craft Sup	port Equ	uipment a	and F-	15 Post F	Prod Sup	port	
Facilities, Item No. 67	7											
Program Element for Code B	Items:	27134			Other Relat	ed Program	Elements:		n/a			
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)		34.411	6.831	7.263	7.512	7.709	7.862	8.196	8.346		TBD	TBD

Description

F-15 POST PRODUCTION SUPPORT - 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. Phase 1 of plant shut-down was completed in FY01. Follow-on plant shut-down decision is deferred until completion of the E227 Aircraft deliveries.

FY 2003 Program Justification

Funding is required for Post Production Support, ICS, and Peculiar Ground Support Equipment. 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. Peculiar Ground Support Equipment is required to modernize the organizational and depot support equipment essential to the maintenance of F-15 aircraft engines.

P-1 Shopping List Item No. 67

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

sis						Date: February 2002									
	ctivity 0	7, Aircraft	Support E	quipme											
Facilities, Item No. 67 Manufacturer's Name/Plant City/State Location							Subline Item								
				Total Co											
Code		FY 2001			FY 2002			FY 2003							
	Otv	Unit Cost		Otv	Unit Cost		Otv	Unit Cost	Total Cost						
A	Q 0)		0.000			1.000	Q 0)								
A			0.000			1.000			1.532						
A			0.000			2.000			1.532						
A			0.380			0.529			2.000						
A			0.800			1.000			1.000						
A			5.651			3.734			2.980						
A			0.000						0.000						
			6.831			7.263			7.512						
		P-1 Shoppin	ng List Item N	o. 67			Weapo	n System Co	st Analys						
	Ident Code A A A A A A A A	Ident Code Qty A A A A A A A A A A A A A A A A A A A	Ident Code FY 2001 Qty Unit Cost A A A A A A A A A A A A A	Subline Item	Subline Item	Subline Item	Subline Item No. Subline Item	Subline Item	Subline Item						

Exhibit P-40, Budget Item Justification Date: February 2002 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. 68 N/A Program Element for Code B Items: Other Related Program Elements: F-16 Post Production Support Prior Years FY 2001 ID Code FY 2004 FY 2005 FY 2006 To Comp Total FY 2002 FY 2003 FY 2007 0 Proc Qty Α 0 Total Proc Cost (\$ M) 359.573 248.800 26.344 14.255 14.200 12.265 12.694 18.635 12.380

Description

The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a 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 supression, armed reconnaissance, close air support, combat air patrol, forward air control, and battle air interdiction (day/night and all-weather). 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 20 air forces around the world. USAF and Foreign Military Sales production will continue well into the 21st century.

FY 2003 Program Justification

This appropriation is for the continuation of prime contract post production support, procurement of deferred peculiar ground support equipment, Improved Avionics Intermediate Shop, and training devices.

P-1 Shopping List Item No. 68

Budget Item Justification Exhibit P-40, page 1 of 7

Exhibit P-5, Weapon System Cost Analys								Date: Fel	oruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro							P-1 Line Item N	omenclature		
Aircraft Procurement, Air Force, B	udget A	ctivity 07	, Aircraft	Support E	Equipme	nt and	F-16 Post	Prod St	upport	
Facilities, Item No. 68	•	-								
Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed-Martin Tactical Aircraft Systems/Ft.	Worth, TX									
Weapon System	Ident				Total Cos	t In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002			FY 2003	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	0			0					
Armament	A	0			0					
Software	A	0			0					
Engineering Change Orders (ECO)	A	0			0					
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment	A	0			0					
(PGSE)										
Engine PGSE	A	0		3.342	0		2.602			
Avionics PGSE	A	0		11.718	0		3.077			3.843
Peculiar Training Equipment	A	0		0.000	0		0.950			1.100
ECOs	A	0		0.058	0		0.303			0.066
Other	A	0		1.301	0					
A&AS Reduction	A									
Distributed Mission Trainer/Exercises	A	0		2.150	0					
Fighter Readiness	A									
Mission Planning	A	0		3.292	0		3.300			3.424
ICS	A	0		0.420	0		0.500			0.681
OI&D	A	0		4.063	0		1.134			5.086
MSAMT (AETC PE 89731F)	A	0		0.000	0		2.389			
Reprogramming	A	0		0.000	0					
SUPPORT COST SUBTOTAL	A			26.344			14.255			14.200

xhibit P-5, Weapon System Cost A				Date: Fe	ebruary 2002
ppropriation (Treasury) Code/CC/BA/BSA/Item				P-1 Line Item Nomenclatur	
Aircraft Procurement, Air Ford	ce, Budget Activity 07,	Aircraft Support Equip	ment and	F-16 Post Prod S	Support
acilities, Item No. 68				<u> </u>	
TOTAL PROGRAM		26.344		14.255	14.20
Comments					
FY00 has a Congressional Plus-up of \$15	M for Improved Avionics Interr	nediate Shop (IAIS).			
Y00-FY01 has Distributed Mission Train			onstration, not	F-16 specific.	
Y01 has a Congressional Plus-up of \$5.9		-	,	1	
Y01 PB has \$3.615M BTR from Improv	<u> </u>				
Y02 has Modular Simulated Aircraft Ma	<u>-</u>	•			
FY03 has \$0.005M A&AS reduction and	\$.217 deflation charges				
FY04 has \$0.004M A&AS reduction and	\$.227 deflation charges				
Y05 has Congressional Plus-up of \$5.50	M for Improved Avionis Interm	ediate Shop (IAIS).			
Y05 has \$.004M A&AS reduction and \$.275 deflation charges				
Y06 has \$0.005 A&AS reduction and \$.4	431 deflatioon charges				
Y07 has \$0.003 A&AS reduction and \$.3	317 deflation charges				
	P	-1 Shopping List Item No. 68		Weap	on System Cost Analy

Exhibit P-5, page 3 of 7

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 07, Aircraft Support Equipment and Facilities, Item No. 68 Date: February 2002 P-1 Line Item Nomenclature F-16 Post Prod Support

Weapon System F-16

Equipment Nomenclature: Unit Training Device (UTD)

	Fin Plan	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
P	roc	0.000	0.950	1.100	1.125	1.150	1.200	1.200	6.725
\mathbf{P}	roc	0.000	2.389	0.000	0.000	0.000	0.000	0.000	2.389

TRAINING SYSTEM DESCRIPTION

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

The Maintenance Training Devices (MTD) are used by Training Detachments to instruct maintenance personnel on the operational checks and malfunction troubleshooting procedures for the F-16 aircraft.

The Modular Simulated Aircraft Maintenance Trainers (MSAMT) are used by the Air and Education Training Command (AETC) Field Training Detachments (FTDs) to instruct maintenance personnel on the operational checks and malfunction troubleshooting procedures for the F-16 aircraft. The MSAMT are next generation, computer-based trainers which will replace obsolete MTDs currently used by the FTDs.

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.1, page 4 of 7

Exhibit P-43 p.2, Simu	lator and Tra		Date: February 2002										
Appropriation (Treasury) Code	e/CC/BA/BSA/Ite	m Control Numbe	er				P-1 Line	Item Nomenclatu	ıre				
Aircraft Procureme	ent, Air Fo	rce, Budget	t Activity 0	7, Aircraft S	Support Ed	quipment ai	nd F-16	F-16 Post Prod Support					
Facilities, Item No.	. 68												
Weapon System F-16													
Equipment Nomenclatur	re: Unit Train	ing Device (UT	(D)										
IOC Date													
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2001	FY 2	2002	FY 2	2003			
DEVICE		TIME	TRAINING	STUDENT									
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST			
				PUT									
MAINTENANCE						0.000		0.950		1.100			
AIRCREW						0.000		0.000		0.000			
MAINTENANCE						0.000		2.389		0.000			
<u>TOTAL</u>						0.000		3.339		1.100			

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M)
Exhibit P-43 p.2, page 5 of 7

Exhibit P-43 p.3, Simulator	r and Trainin	g Device Jus	tification (\$	M)				Date: Fe	bruary 2002	
Appropriation (Treasury) Code/CC/ Aircraft Procurement, Facilities, Item No. 68	, Air Force,		tivity 07,	Aircraft Su	pport Equ	Jipment and		em Nomenclature OSt Prod Su		
Weapon System F-16										
Equipment Nomenclature: A	ircrew Traine	ers								
Description:										
The Unit Training Device (UT) instrument training, air-to-air a			_	for initial and o	continuation t	raining in the ar	reas of emergen	icy procedures,	, LANTIRN, f	light
FINANCIAL PLAN	FY 2		FY 2	1	FY	2003	To Com		Total (Costs
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs		T								
	 '	0.000		0.000		 	TBD	TBD	TBD	TBD
Total Hardware Costs		0.000		0.000			0	0.000	0	0.000
Support Costs										
Software Costs		0.000		0.000			TBD	TBD	TBD	TBD
		0.000		0.000			TBD	TBD	TBD	TBD
Total Support Costs		0.000		0.000			0	0.000	0	0.000
	$\overline{}$					 	TBD	TBD	TBD	TBI
TOTAL COSTS	1	0.000		0.000		† †	0	0.000	0	0.000

Exhibit P-43 p.4, Simulator and Training Device Justification (\$ M) Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68 Date: February 2002 P-1 Line Item Nomenclature F-16 Post Prod Support

Weapon System F-16

Equipment Nomenclature: Maintenance

Description:

The Maintenance Training Devices (MTDs) are used by Training Detachments to instruct maintenance personnel on the operational checks and malfunction troubleshooting procedures for the F-16 aircraft.

The Modular Simulated Aircraft Maintenance Trainers (MSAMT) are used by the Air and Education Training Command (AETC) Field Training Detachments (FTDs) to instruct maintenance personnel on the operational checks and malfunction troubleshooting procedures for the F-16 aircraft. The MSAMT are next generation, computer-based trainers which will replace obsolete MTDs currently used by the FTDs.

EINIANCIAI DI AN	FINANCIAL PLAN FY 2001		FY 2002		FY 2003		To Complete		Total Costs	
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		0.000		0.000			TBD	TBD	TBD	TBD
Total Hardware Costs		0.000		0.000			0	0.000	0	0.000
Support Costs										
		0.000		0.950		1.100	TBD	TBD	TBD	TBD
		0.000		2.389			TBD	TBD	TBD	TBD
Total Support Costs		0.000		3.339		1.100	0	0.000	0	0.000
							TBD	TBD	TBD	TBD
TOTAL COSTS		0.000		3.339		1.100	0	0.000	0	0.000

P-1 Shopping List Item No. 68

Simulator and Training Device Justification (\$ M) Exhibit P-43 p.4, page 7 of 7

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FY 2003 BUDGET ESTIMATES BP 14 – INDUSTRIAL PREPAREDNESS FEBRUARY 2002

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Exhibit P-40, Budget It	em Justificat	ion		Date: February 2002							
Appropriation (Treasury) Cod	de/CC/BA/BSA/I	P-1	P-1 Line Item Nomenclature								
Aircraft Procureme Facilities, Item No.	-	rce, Budg	et Activi	ty 07, Ai	rcraft Su	pport Eq	uipment	and In	dustrial F	Preparedness	
Program Element for Code		N/A			Other Relat	ted Program	Elements:		N/A		
	ID Code	Prior Years	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A										
Total Proc Cost (\$ M)			25.050	25.204	22.248	23.620	24.113	24.064	24.498		168.797

Description

- 1. The Air Force Industrial Preparedness program element combines the resources of several appropriations (3010, 3020, 3080, 3400, and 3600) to create a comprehensive program that ensures the defense industry can supply reliable, affordable systems to operational commanders. The 3010 part of Industrial Preparedness supports the following: 1) management of government-owned industrial plants; and 2) management of industrial base planning activities and compliance with the Defense Production Act.
- 2. Two basic activities are funded in this appropriation: Industrial Facilities and Industrial Base Planning:

Industrial Facility cost elements (MPCs 1000, 3000, 7000, and 9000): 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, U-2, F-16, C-130, C-5B, F-117, and F-22.

Industrial Planning cost element (MPC 6000): Provides for the identification/analysis of critical aircraft industrial base problems/constraints (e.g., diminishing manufacturing sources material shortages -- on the B-1B, B-52, F-15, C-5, and C-141 fielded systems, as well as on the F-16, F-22, C-17, and C-130 systems in production). Supports Air Force management of the Defense Priorities and Allocations System (Title I, Defense Production Act). Provides timely and accurate industrial base information to support Air Force decisions on: 1) aircraft weapon system acquisition risks; 2) budget alloation and investments; 3) weapon system sustainment and logistics support; and 4) defense industry mergers and acquisitions and divestitures. Supports joint-Service industrial base planning on shared commodities, technologies, and facilities.

FY 2003 Program Justification

This appropriation line item supports Industrial Preparedness per Defense planning documents, Defense Prduction Act, and DoD Mantech Program as mandated by Section 2525, Title 10, United States Code.

P-1 Shopping List Item No. 69

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

Exhibit P-5, Weapon System Cost Analysis	3							Date: Fel	oruary 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont Aircraft Procurement, Air Force, Bo Facilities, Item No. 69		ctivity (07, Aircraft	Support	Equipm	ent and	P-1 Line Item I			
Manufacturer's Name/Plant City/State Location				Subline Item						
Weapon System	Ident				Total Co	ost In Million	s of Dollars			
Cost Elements	Code		FY 2001			FY 2002	_		FY 2003	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A									
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment (PGSE)	A									
Engine PGSE	Α									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
Capital Type Rehabilitation (MPC 3000)	A			7.432			8.314			11.126
Replacement & Modernization (MPC 4000)	A			0.000			0.000			0.000
Industrial Base Assessment (MPC 6000)	A			4.748			4.926			4.044
Environmental Compliance (MPC 7000)	A			12.940			12.471			7.418
TOTAL PROGRAM				25.120			25.711			22.588
<u>Comments</u>										
			P-1 Shopping	g List Item N	o. 69			Weapo	n System Cos	st Analysis

Exhibit P-5, page 2 of 2

FY 2003 BUDGET ESTIMATES BP 17 – WAR CONSUMABLES FEBRUARY 2002

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BUDGET ITEM JUSTIFICATION	N (EXHIBIT P-40)					DA	TE: FEBRUA	ARY 2002	
APPROP CODE/BA: APAF/WAR CONSUMABLES					OMENCLATUI CONSUMABLES					
	FY	′2001	FY20	02	FY2003	FY2004	FY2005	FY2006	FY2007	_
QUANTITY										
COST (in Thousands)		\$58,671	\$47	7,466	\$38,429	\$45,008	\$43,20	69 \$67,6	\$69,040	
Description: 1. This program provides fun Tanks, Racks, Adapters, Pylon Decoys (FOTD), and Aerial Tainventory objectives across mu. 2. Items to be procured in FY change based on the most critical parts.	as (TRAP), Missile arget Drone (ATD altiple weapon systems of the first on the first of the first of the first of the first on the first of the firs	e Rail Lau) rocket n tems. e attached	unchers, l motors. T	Radio I These in	Frequency (RF) tems support W ed by individua	(expendable) Tar Reserve Ma	Fowed Dec teriel (WR Items pro	oys, Fiber Op M) requiremen	tic Towed nts and fleet	
	P-1 ITEM NO				PAGE NO: 7 - 97				Page 1 of 1	

BUDGET ITEM JUSTIFICATION	FOR AGGI	REGATEI	D ITEMS (EX	(HIBIT P- 40A)			DATE: FEBRUARY 2002			
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMEN WAR CONSUM	CLATURE: ABLES (OVER)	√IEW)				
PROCUREMENT ITEMS	ID			FY2001 FY2			002	002 FY2003		
PROCOREMENT HEMS	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	А			2,577	\$46,832	930	\$22,892	982	\$21,605	
MINIATURE AIR-LAUNCHED DECOY (MALD)	А					24	\$5,000			
ITEMS LESS THAN \$5 MILLION	А				\$11,839		\$19,574		\$16,824	
Totals:					\$58,671		\$47,466		\$38,429	
	P-1 ITEM	NO		PAGE N				Page 1 o	_	

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) APPROP CODE/BA: APAF/WAR CONSUMABLES P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY	2,577	930	982	2,175	2,413	2,474	2,577
COST (in Thousands)	\$46,832	\$22,892	\$21,605	\$34,859	\$32,885	\$56,952	\$58,057

Description:

- 1. 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, highly successful use during Operation Noble Anvil (ONA).
- 2. 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-16s as soon as possible.
- 3. Items requested in FY03 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.

P-1 ITEM NO 70	PAGE NO: 7 - 99	Page 1 of 1

WEAPON SYSTEM COST ANA	LYSIS (EXF	IIBIT F	P- 5)						D	ATE:	FEBRU	ARY 200)2
APPROP CODE/BA: APAF/WAR CONSUMABLES					P-1 NOM ADVANCE	IENCLA D AIRBO	TURE: RNE EXP	ENDABLI	E DECOY	(AAED)			
						FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	CODE	QTY	UNIT COST	TOTAL		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
AAED	А				2,577	18,173	46,832	930	22034	20,492	982	22,001	21,605
PROCESSOR REDISIGN										2,400			
TOTALS:							46,832			22,892			21,605
REMARKS:													
	P-1 ITEM 70	NO			PAG	SE NO: 7 - 100					Pag	e 1 of 1	

BUDGET PROCUREMENT HI	ISTORY	PLANN	ING (EXHIBIT P- 5/	A)		DATE: FE	BRUAF	RY 200	2
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLA ADVANCED AIRBO	ATURE: DRNE EXPENDABLE DECO	Y (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
AAED									
FY00	5,932	16,334	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA	DEC 99	AUG 00		
FY01	2,577	18,173	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA	MAR 01	MAY 02		
FY02	930	24,615	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA	MAR 02	MAY 03	Υ	
FY03	982	22,001	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA	MAR 03	MAY 04	Υ	
	P-1	ITEM N 0	0	PAGE NO : 7 - 10	:)1		Pag	e 1 of	1

PRESIDENT'S BUDG	ET PR	ODUCT	ION SCI	HEDULE (EXHIBIT P- 21) DATE: FEBRUARY 2002																									
APPROP CODE/BA APAF/WAR CONSUMAR											OM CED						IDAI	BLE	DE	COY	′ (AA	\ED))						
ITEM/MANUEACTURER/	0551/		ACCED	BAL		2001						CAI	LEND	AR 20	002							(CALEN	NDAR	2003				
ITEM/MANUFACTURER/ PROCUREMENT YEAR	SERV.	PROC. QTY.	ACCEP. PRIOR TO	DUE AS						FY2	002											FY2	003						
		4	1 OCT.	OF 1 OCT.	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
AAED																													
FY99	AF	2695	2695	0																									
FY00	AF	5932	3161	2771	257	257	257	257	257	267	264	264	248	225	218														
FY01	AF	2577	0	2577								36	52	75	80	100	129	130	200	300	250	200	175	175	175	175	175	115	35
FY02	AF	930	0	930						С														77	77	77	77	77	545
FY03	AF	982		982																		С							982
				0																									
TOTALS		13116	5856	7260	257	257	257	257	257	267	264	300	300	300	298	100	129	130	200	300	250	200	175	252	252	252	252	192	1562
ITEM/MANUFACTURER/	OFPV	DD 0.0	ACCEP.	BAL		2003						CAI	LEND	AR 20	004							(CALEN	NDAR	2005				
PROCUREMENT YEAR	SERV.	PROC. QTY.	PRIOR TO	DUE AS			'			FY2	004								'			FY2	005						
THOUSILE HEALT TEAR		QII.	1 OCT.	OF 1 OCT.	ОСТ	NOV	DEC	JAN	FEB			MAY	JUN	JUL	AUG	SEP	ОСТ	NOV	DEC	JAN	FEB			MAY	JUN	JUL	AUG	SEP	Later
AAED																													
FY99	AF	2695	2695	0																									
FY00	AF	5932	5932	0																									
FY01	AF	2577	2542	35	35																								
FY02	AF	930	385	545	77	77	77	77	77	77	83																		
FY03	AF	982	0	982								81	81	81	81	81	81	81	81	81	81	81	91						
			0	0																									
TOTALS		13116	11554	1562	112	77	77	77	77	77	83	81	81	81	81	81	81	81	81	81	81	81	91						
MANUFACTURER'S		ı	PRODUCTIO	N RATES																PRO	OCUR	EME	NT LE	AD T	IME				
NAME AND LOCATION		MIN SUS	T 1-8-5	5 M	AX												-	ADMIN	I LEA	D TIN	ЛE			MAN	UFAC	T.	7	ОТА	L
E-SYSTEMS, GOLETA, CA			60		30	0										PRIO	R TO	1 OC	Г	AF	ΓER 1	OCT		F	PLT			1 OC	
													INITIA	\L					0				0			0			0
												RI	EORD	ER					0				6			14			20
D=111.D1/0																			Ů				ŭ						
REMARKS:																													
		<u> </u>								1														_					
		P-1	I ITEM N	IO:						P	AG														Р	age	1 of	1	
		1	70									7 - 1	102													5			

REQUIREMENTS STUDY (EXH	IBIT P- 20)						DATE: FE	BRUARY 2002
APPROP CODE/BA: APAF/WAR CONSUMABLES				OMENCLA CED AIRBOR	ATURE: NE EXPENDA	ABLE DECO	Y (AAED)	
ASSET DYNAMICS (BY FDP): BEGINNING ASSET POSITION (As of PROCUREMENTS FROM ALL PRIOR YEAR	·			FY	2001 9,754	FY:	2 002 12,331	FY2003 13,261
PROCUREMENTS FROM FY2001 FUN PROCUREMENTS FROM FY2002 FUN PROCUREMENTS FROM FY2003 FUN PROCUREMENTS FROM OTHER SOURCE TEST/TRAINING USAGE DISPOSALS (PROJECTED THROUGH AP	NDING NDING EES				2,577		930	982
NEW ASSET POSITION	I LIOADLL I DI)				12,331		13,261	14,243
INVENTORY OBJECTIVE: PEACETIME PIPELINE/STOCK LEVEL PEACETIME STATIC LEVEL WRM OTHER TOTAL INVENTORY OBJECTIVE					'EH ELIGIBLE: BY1 REPLACE BY2 REPLACE VEH AUGMENT			
REMARKS: The inventory objective is based on (NCAA). Total inventory objective n	the FY03 unconstr numbers are classif	ained WRM requi ed and available	rement liste on request.	ed in the FY03	3-09 Nonnucle	ar Consuma	ibles Annual A	nalysis
	P-1 ITEM NO: 70		P	AGE NO : 7 - 103				Page 1 of 1

BUDGET ITEM JUSTIFICATI	ON (EXHIBIT P-40)						DATE:	FEBRUARY	2002
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 N	OMENCLATU S LESS THAN \$	RE: 5,000,000				
	FY	′2001	FY200	2	FY2003	FY2004	FY2	005	FY2006	FY2007
QUANTITY										
COST (in Thousands)		\$11,839	\$19	,574	\$16,824	\$10,149	\$	10,384	\$10,737	\$10,983
Description: 1. The "Items Less than \$5 M fuel tanks, and fuel tank upgrequirements ensure continuate. 2. All items have an annual pp-40A and are representative needed to support current Air	rade kits. These iteration of serviceable, procurement value of of items to be proc	ns are app supportab of less thar ured. Iten	olicable a ole equip on \$5 milli ons procur	cross iment of	multiple weapo over the life of d are code A.	on systems. The a weapon syste Items requested	ese init m. l in FY	ial/repla 03 are ic	cement War C	onsumables e following
	P-1 ITEM NO			1	PAGE NO: 7 - 104					Page 1 of 1

BUDGET ITEM JUSTIFICATION	FOR AGGREG	ATED ITEMS (E	XHIBIT P- 40A-IL	-)			DATE: FI	BRUAF	RY 2002
APPROP CODE/BA: APAF/WAR CONSUMABLES			P-1 NOMEN(CLA7 IAN \$5	TURE:				
								FY2	2003
PROCUREMENT ITEMS			NSN		QTY.	cos	T G	QTY.	COST
LAU-88A/A TRIPLE RAIL LAUNCHERS						<u> </u>		707	\$2,501
LAU-117(V)3/A SINGLE RAIL LAUNCHER								515	\$5,000
						<u> </u>			
LAU-118A(V)4/A SINGLE RAIL MISSILE LAUNCHER INTERFACE COMPUTER (AL	AUNCHER WITH AIRCF	RAFT						74	\$5,000
TER-9A RACK (ELECTRONIC UPGRADE)	1							610	\$3,550
BRU-57 SMART RACK								4	\$576
AERIAL TARGET DRONE ROCKET MOTO)R								\$197
TOTALS:									\$16,824
							<u> </u>		
	P-1 ITEM NO 70		PAGE N	IO: 105				Page	1 of 1

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FY 2003 BUDGET ESTIMATES BP 19 – OTHER PRODUCTION CHARGES FEBRUARY 2002

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Exhibit P-40, Budget Item Justification	on					Da	te: February 200)2		
Appropriation (Treasury) Code/CC/BA/BSA/Item	propriation (Treasury) Code/CC/BA/BSA/Item Control Number									
Aircraft Procurement, Air Ford Facilities, Item No. 71	ircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and acilities, Item No. 71									
	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007			
Proc Qty										
Total Proc Cost (\$ M)	362.590	323.316	349.516	330.202	276.431	337.946	434.885			

Description

These programs provide for items which	n (1) are not directly related to o	ther procurement lines intem	s in this appropriation, (2)	cannot be reasonably	allocated and c	harged to other
procurement line items in this appropria	ition, (3) can be managed as sepa	arate end items, and (4) conta	ain certain classified progra	ams.		

P-1 Shopping List Item No. 71

Budget Item Justification Exhibit P-40, page 1 of 21

Exhibit P-40A, Budget Item Justification for Aggregated Items	Date: February 2002				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft S	upport Equipment and	Miscellaneous Prod	uction Charges		
Facilities, Item No. 71					
Procurement Items (\$M)	FY 200	1 FY 2002	FY 2003		
NATO AWACS Modernization	81.289	43.347	59.658		
C-17	0.000	0.000	9.903		
C-5 Airborne Broadcast Intelligence (ABI)	1.288	1.217	1.200		
Classified Programs	46.480	70.122	69.342		
Combat Training Range Equipment	6.744	15.869	14.430		
EW Equipment Sustainment	0.000	4.950	4.587		
Electronic Warfare Integrated Reprogramming (EWIR)	0.000	2.964	2.315		
F-16	0.000	0.437	0.352		
F-22	0.000	0.000	17.713		
Flight Screening	2.035	0.108	0.000		
Intelligence Programs	109.608	59.838	45.452		
Judgment Fund Reimbursement	26.904	45.000	44.984		
KC-135 Airborne Broadcast Intelligence (ABI)	1.292	1.379	1.359		
Precision Attack Systems Procurement	33.256	35.351	36.499		
Manned Destructive Suppression	13.993	0.000	0.000		
NAVSTAR Global Positioning System (GPS) User Equipment	36.933	3 26.272	17.619		
Pollution Prevention	2.768	2.924	2.260		
Reconnaissance Program	0.000	13.538	21.843		
Total	362.590	323.316	349.516		

P-1 Shopping List Item No. 71

Budget Item Justification for Aggregated Items
Exhibit P-40A, page 2 of 21

	Ur	NCLASSIFIED	
Exhibit P-1900, Fact Sheet			Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N			P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Bud	iget Activity 07, Aircrat	t Support Equipment and	NATO AWACS Modernization
Facilities, Item No. 71			
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST CODUCTION CHARGES FACT SHE ollars in Millions)	ЕТ
PROJECT TITLE:	NATO AWACS Modern	nization	
MODELS OF AIRCRAFT APPLICABLE:	E-3A		
DESCRIPTION/JUSTIFICATION:	provides the U.S. contrib Modernization Programs Data Link, improved CC Program (RSIP). The M multi-sensor integration aircraft. These Near and	bution to the NATO Airborne Early War s. The Near-Term upgrades include the a DMSEC equipment, Electronic Support N id-Term program upgrades the mission of (MSI), digital communications, satellite	ed forces in the NATO area of operation. This project ming and Control Near-Term and Mid-Term anti-jam radio (Have-Quick A-Nets), JTIDS TADIL-J Measures (ESM) and the Radar System Improvement computers, provides improved man-machine interfaces, communications, and adds 5 new consoles to the CO E-3 aircraft with capabilities to maintain fleet century.
PROJECTED FINANCIAL PLAN:			
	FY 2001	FY 2002	FY 2003
BASIS FOR COST ESTIMATE: NATO AWACS-Near/Mid Term	81.289	43.347	59.658
TOTAL COST	81.289	43.347	59.658
	P-1 Shopp	ing List Item No. 71	Fact Shee
<u> </u>			Exhibit P-1900, page 3 of

Exhibit P-1900, Fact Sheet			Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu			P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Bud	get Activity 01, Con	nbat Aircraft, Item No. 71	C-17
		RESIDENT'S BUDGET REQUEST S PRODUCTION CHARGES FACT SHI (Dollars in Millions)	E ET
PROJECT TITLE:	C-17		
MODELS OF AIRCRAFT APPLICABLE:	C-17		
DESCRIPTION/JUSTIFICATION:		Modern Intermediate Level Teststand (MIL' the C-17 strategic airlift squadrons (ANG).	T) and peculiar supply equipment for maintenance.
PROJECTED FINANCIAL PLAN:			
	FY 2001	FY 2002	FY 2003
BASIS FOR COST ESTIMATE:			9.903
TOTAL COST			9.903
		4 Changing Lightton No. 74	Foot Shoot
	P-	-1 Shopping List Item No. 71	Fact Sheet Exhibit P-1900, page 4 of 27

Exhibit B 1000 Foot Shoot	UN	ICLASSIFIED	Data: Fahruari 2002				
Exhibit P-1900, Fact Sheet Appropriation (Treasury) Code/CC/BA/BSA/Item Control No	ımhor		Date: February 2002 P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Bud		t Support Equipment and					
Facilities, Item No. 71	get Activity 07, Aircrai	t Support Equipment and	(ABI)				
racinties, item No. 71			J(ADI)				
	MISCELLANEOUS PR	DENT'S BUDGET REQUEST ODUCTION CHARGES FACT SH ollars in Millions)	IEET				
PROJECT TITLE:	C-5 Airborne Broadcast	Intelligence (ABI)					
MODELS OF AIRCRAFT APPLICABLE:	C-5						
DESCRIPTION/JUSTIFICATION:	hostilities during combat providing aircrews with information. Strategic m information capability. I theater. ABI provides in avoid enemy threats und that ABI will be 'snapped	operations. The ABI system address portable, on-aircraft mission equipment ability often fly extended missions of a formation provided prior to mission creased threat situational awareness a ter rapidly changing combat conditions of to any AMC mobility fleet aircraft.	fied a deficiency in the ability to protect aircraft from es this deficiency and increase aircrew survivability by nt to receive and display critical, real-time intelligence transit enroute stations without full intelligence departure is often outdated or incomplete upon arrival in nd enables aircrews to make mission modifications to s. To limit system implementation costs, it is envisioned ft when this capability is needed. these systems are 1, C-5, and C-17 operational wings as required.				
PROJECTED FINANCIAL PLAN:							
	FY 2001	FY 2002	FY 2003				
BASIS FOR COST ESTIMATE:	1.288	1.217	1.200				
TOTAL COST	1.288	1.217	1.200				
	P-1 Sho	opping List Item No. 71	Fact Sho				
			Exhibit P-1900, page 5 o				

		JNCLASSIFIED	D	
Exhibit P-1900, Fact Sheet			Date: February 2002	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No			P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Bud	get Activity 07, Aircra	aft Support Equipment and	Classified Programs	
Facilities, Item No. 71				
	FY 2003 PRESIDENT'S BUDGET REQUEST MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Millions)		Γ	
PROJECT TITLE:	Classified Programs			
MODELS OF AIRCRAFT APPLICABLE:	N/A			
DESCRIPTION/JUSTIFICATION:	Details of this program are available on a need-to-know basis.			
PROJECTED FINANCIAL PLAN:				
	FY 2001	FY 2002	FY 2003	
BASIS FOR COST ESTIMATE:	46.480	70.122	69.342	
TOTAL COST	46.480	70.122	69.342	
	5.1.0	shamping Lint Ham No. 74	Fact Obs	
	P-1 S	hopping List Item No. 71	Fact She	
			Exhibit P-1900, page 6 of	

Exhibit P-1900, Fact Sheet	U	NCLASSIFIED	Date: February 2002	
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			Combat Training Range Equipment	
Facilities, Item No. 71	••••••••••••••••••••••••••••••••••••••			
,	MISCELLANEOUS PI	SIDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE Pollars in Millions)	т	
PROJECT TITLE:	Combat Training Range	e Equipment		
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-15, F-16, F-22, B-52, B-1, B-2			
DESCRIPTION/JUSTIFICATION:	Air Combat Training Systems (ACTS) provide equipment for Air Force training areas 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 training while providing real-time monitoring and control of aircraft and recording events for post-mission debrief and analysis. Under the P4 Refurbishment Contract (P4RC), the Air Force is upgrading/refurbishing P4-series legacy systems to a single rangeless standard by incorporating Global Positioning System (GPS) receivers, data recorders, and onboard weapons simulations. In FY03 funding continues to refurbish, upgrade, and procure additional rangeless systems which will incorporate latest developments in air-to-air datalink and live monitoring capability. These systems and In-flight Data Recorders (IDR) will satisfy rangeless training instrumentation requirements across the fighter and bomber fleets. These upgraded/new systems will be interoperable with each other and with older legacy systems; enabling post mission debriefing of all training participants, maintaining compatibility with latest software upgrades on aircraft platforms, and providing interoperability with US Navy ranges.			
PROJECTED FINANCIAL PLAN:				
	FY 2001	FY 2002	FY 2003	
BASIS FOR COST ESTIMATE: - Joint Tactical Combat Training System (JTCTS) - Legacy ACTS				
P4 Refurbishment Contract (P4RC)/P4RC Plus Other Legacy Systems	6.581 0.163	15.593 0.276	14.180 0.250	
	P-1 S	Shopping List Item No. 71	Fact Shee	
	1 10	oppg Elot from Hol / 1	Exhibit P-1900, page 7 of	

Exhibit P-1900, Fact Sheet	Date: February 2002
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	Combat Training Range Equipment
Facilities, Item No. 71	

FY 2003 PRESIDENT'S BUDGET REQUEST MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Millions) Continued

ACTS PODS

SIGNIFICANT PROGRAM CHANGES:

-- FY01 reduced - \$0.165M Congressional General

Reductions (CGR).

-- FY01 reduced - \$16.767M Prior Approval

Reprogramming (FY01 Omnibus)

-- FY01 increased +\$5.670M from Prior Approval

Reprogramming (FY01 Omnibus)

-- FY01 reduced - \$1.300M Congressional Rescission from

JTCTS program.

-- FY02 increased +\$3.000M Cong Add for Air Combat

Training Range Security

TOTAL COST 6.744 15.869 14.430

P-1 Shopping List Item No. 71

Fact Sheet

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UNCLASSIFIED					
xhibit P-1900, Fact Sheet			Date: February 2002		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71			P-1 Line Item Nomenclature EW Equipment Sustainment		
FY 2003 PRESIDENT'S BUDGET REQUEST MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Millions)					
PROJECT TITLE:	EW Equipment Sustainment				
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-16				
DESCRIPTION/JUSTIFICATION:	Program provides sustainment/modernization of ALQ-131 and 184 EW pods (primary self-protection equipment for A-10s and F-16s) and related support equipment.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	0.000	4.950	4.587		
TOTAL COST	0.000	4.950	4.587		

P-1 Shopping List Item No. 71

Fact Sheet

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Exhibit P-1900, Fact Sheet Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71			Date: February 2002 P-1 Line Item Nomenclature Electronic Warfare Integrated Reprogramming (EWIR)	
PROJECT TITLE:	Electronic Warfare Integ	Electronic Warfare Integrated Reprogramming (EWIR)		
MODELS OF AIRCRAFT APPLICABLE:				
DESCRIPTION/JUSTIFICATION:	This program funds equipment and aircraft sytem components for the EW Avionics Integrated Support Facility (EWASIF) to provide critical reprogramming of EW systems for all Air Force and Foreign Military Sales customers.			
PROJECTED FINANCIAL PLAN:				
	FY 2001	FY 2002	FY 2003	
BASIS FOR COST ESTIMATE:	0.000	2.964	2.315	
TOTAL COST	0.000	2.964	2.315	

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	UN	CLASSIFIED			
Exhibit P-1900, Fact Sheet			Date: February 2002		
ppropriation (Treasury) Code/CC/BA/BSA/Item Control No			P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipn Facilities, Item No. 71			F-16		
	MISCELLANEOUS PRO	DENT'S BUDGET REQUEST DDUCTION CHARGES FACT SHEE llars in Millions)	Т		
PROJECT TITLE:	F-16				
MODELS OF AIRCRAFT APPLICABLE:	F-16 Block 50/52				
DESCRIPTION/JUSTIFICATION:	Funds will support other cost associated with Blk 50/52 aircraft Destruction of Enemy Defense (DEAD) mission with Advance Targeting Pod (ATP).				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:		0.437	0.352		
TOTAL COST		0.437	0.352		
	P-1 Sho	opping List Item No. 71	Fact She		

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	IU	NCLASSIFIED	
Exhibit P-1900, Fact Sheet			Date: February 2002
ppropriation (Treasury) Code/CC/BA/BSA/Item Control No Aircraft Procurement, Air Force, Bud Facilities, Item No. 71		ft Support Equipment and	P-1 Line Item Nomenclature F-22
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE collars in Millions)	Т
PROJECT TITLE:	F-22		
MODELS OF AIRCRAFT APPLICABLE:	F-22		
DESCRIPTION/JUSTIFICATION:	This request provides fo need-to-know basis.	or units necessary for electronic warfare rec	quirements. Additional information is available on a
PROJECTED FINANCIAL PLAN:			
	FY 2001	FY 2002	FY 2003
BASIS FOR COST ESTIMATE:	0.000	0.000	17.713
TOTAL COST	0.000	0.000	17.713
	P-1 Sh	opping List Item No. 71	Fact Sho

Exhibit P-1900, page 12 of 2

Exhibit P-1900, Fact Sheet	Ur	NCLASSIFIED	Date: February 2002		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu	ımber		P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Bud	get Activity 07, Aircraf	ft Support Equipment and	Flight Screening		
Facilities, Item No. 71	•				
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHE collars in Millions)	EET		
PROJECT TITLE:	Flight Screening				
MODELS OF AIRCRAFT APPLICABLE:	Blanik L-13-AC and L-3	33-Solo Gliders			
DESCRIPTION/JUSTIFICATION:	Near-term replacement of the TG-3/-4/-7 glider fleet is essential. Cadet airmanship programs cannot be supported wit 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. The FY 01 dollars will be used for Glider replacement at the Air Force Academy for the Academy Airmanship Program.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	2.035	0.108			
TOTAL COST	2.035	0.108			
	2.40	opping List Item No. 71	Fact She		

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Exhibit P-1900, Fact Sheet	Oitt	CLASSIFIED	Date: February 2002
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No	P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Bud	get Activity 07, Aircraft	Support Equipment and	Intelligence Programs
Facilities, Item No. 71	MISCELLANEOUS PRO	DENT'S BUDGET REQUEST DUCTION CHARGES FACT SHEET lars in Millions)	τ
PROJECT TITLE:	Intelligence Programs		
MODELS OF AIRCRAFT APPLICABLE:	N/A		
DESCRIPTION/JUSTIFICATION:	Details of this program are	e available on a need-to-know basis.	
PROJECTED FINANCIAL PLAN:			
	FY 2001	FY 2002	FY 2003
BASIS FOR COST ESTIMATE:	109.608	59.838	45.452
TOTAL COST	109.608	59.838	45.452
	P-1 Sho	opping List Item No. 71	Fact Shee
			Exhibit P-1900, page 14 of

	U	NCLASSIFIED			
Exhibit P-1900, Fact Sheet			Date: February 2002 P-1 Line Item Nomenclature		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No					
Aircraft Procurement, Air Force, Bud	lget Activity 07, Aircra	ft Support Equipment and	Judgment Fund Reimbursement		
Facilities, Item No. 71					
	MISCELLANEOUS PE	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE Pollars in Millions)	Т		
PROJECT TITLE:	Judgment Fund Reimbu	rsement			
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 approved Air Force repayment plan began in FY2000 and continues through FY 2004.				
	paid the settlement in F		n Alternate Dispute Resolution. The contractor was dgement fund, which the Air Force is required by law FY2001 and continues through FY 2004.		
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	26.904	45.000	44.984		
TOTAL COST	26.904	45.000	44.984		
	P-1 S	hopping List Item No. 71	Fact Sheet		
			Exhibit P-1900, page 15 of 2		

Exhibit P-1900, Fact Sheet	<u> </u>	ICLASSIFIED	Date: February 2002		
opropriation (Treasury) Code/CC/BA/BSA/Item Control Number Lircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and acilities, Item No. 71		P-1 Line Item Nomenclature KC-135 Airborne Broadcast Intelligence (ABI)			
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEI collars in Millions)	ЕТ		
PROJECT TITLE:	KC-135 Airborne Broad	lcast Intelligence (ABI)			
MODELS OF AIRCRAFT APPLICABLE:	KC-135				
DESCRIPTION/JUSTIFICATION:	Airborne Broadcast Intelligence (ABI) equips the aircraft with portable, on-aircraft 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 conditions.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	1.292	1.379	1.359		
TOTAL COST	1.292	1.379	1.359		
	P-1 Sho	pping List Item No. 71	Fact Sh		

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Exhibit P-1900, Fact Sheet	UN	ICLASSIFIED	Date: February 2002		
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		t Support Equipment and	Precision Attack Systems		
Facilities, Item No. 71	, ,		Procurement		
	MISCELLANEOUS PR	DENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHE ollars in Millions)	ET		
PROJECT TITLE:	Precision Attack System	s Procurement			
MODELS OF AIRCRAFT APPLICABLE:	F-16 CJ Block 50				
DESCRIPTION/JUSTIFICATION:	The Advanced Targeting Pod (ATP) will initially supplement and eventually replace the current LANTIRN Targeting Pod with a new system featuring Third Generation FLIR technology, a high-altitude diode pumped laser, laser spot tracker, the potential for bomb damage assessment/reconnaissance capability as well as a pre-planned product improvement for enhanced combat identification. System will feature 2-level maintenancess open architecture to facilitate capability upgrades. 98 Advanced Targeting Pods (ATP) will equip the F-16 CJ Block 50 aircraft. Performing required upgrades to the current LANTIRN Targeting Pod to ensure its viability past FY05 is cost-prohibitive. Technological advances featured by proposed follow-on ATPs would allow satisfaction of numerous requirements whill providing cost of ownership savings over the current system. Greater standoff, improved resolution, and high system reliability will allow an ATP to perform across several mission areas, including interdiction, CAS, reconnaissance, and theater missile defense. Combat ID technology will reduce fratricide, and long-range target acquisition with improved sensor systems will expand weapons delivery envelopes for greater survivability and increased mission effectiveness.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	33.256	35.351	36.499		
TOTAL COST	33.256	35.351	36.499		
	P-1 Sh	opping List Item No. 71	Fact She		
			Exhibit P-1900, page 17 o		

Eyhihit D 1000 Foot Chart	UN	ICLASSIFIED	Datas February 2002		
Exhibit P-1900, Fact Sheet Appropriation (Treasury) Code/CC/BA/BSA/Item Control No	umbor		Date: February 2002 P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71		Manned Destructive Suppression			
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST CODUCTION CHARGES FACT SHE ollars in Millions)	ЕТ		
PROJECT TITLE:	Manned Destructive Sup	ppression			
MODELS OF AIRCRAFT APPLICABLE:	F-16 Block 50/52				
DESCRIPTION/JUSTIFICATION:	The AN/ASQ-213 pod is the key component of the High Speed Anti-Radiation Missile (HARM) Targeting System (HTS). The HTS pod senses radar emissions and provides targeting information to the F-16 Block 50/52 pilot and the AGM-88 HARM Missile. HTS permits the HARM to be launched in the missiles' most lethal 'range known' mode. The F-16 HTS provides the only USAF HARM suppression of enemy air defenses (SEAD) capability since the retirement of the F-4G Wild Weasel in FY96. The Air Force has a critical shortage of HTS Pods. During Operation Allied Force (Kosovo) a significant portion of HTS assets were deployed causing home station aircrew training to cease due to lack of HTS pods. At least 30 additional HTS pods are required to fully equip the existing F-16 Block 50/52 fleet. FY 2001 funds were used to procure 31 new HTS R6 configured pods (contract awarded Feb 01).				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	13.993	0.000	0.000		
TOTAL COST	13.993	0.000	0.000		
			-		
	P-1 S	hopping List Item No. 71	Fact Sheet		
			Exhibit P-1900, page 18 of 2		

Exhibit P-1900, Fact Sheet			Date: February 2002				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No Aircraft Procurement, Air Force, Bud Facilities, Item No. 71		ft Support Equipment and	P-1 Line Item Nomenclature NAVSTAR Global Positioning System (GPS) User Equipment				
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE ollars in Millions)	T				
PROJECT TITLE:	NAVSTAR Global Posi	tioning 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-25, C-9, C-5 A/B, C-21A, EC-18B, E-3, E-4, E-9, F-117A, F-15E, F-16 C/D, KC-10, T-1, CT/T-43, UH-1N					
DESCRIPTION/JUSTIFICATION:	NAVSTAR GPS is a space-based 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:							
	FY 2001	FY 2002	FY 2003				
BASIS FOR COST ESTIMATE: Non-recurring/Integration	36.933	26.272	17.619				
TOTAL COST	36.933	26.272	17.619				
	P-1 S	hopping List Item No. 71	Fact Sheet				

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Exhibit P-1900, Fact Sheet			Date: February 2002		
	Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and		P-1 Line Item Nomenclature Pollution Prevention		
Facilities, Item No. 71					
	MISCELLANEOUS PR	IDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHI ollars in Millions)	EET		
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 Order 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, enhance hazardous material management practices, hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	2.768	2.924	2.260		
TOTAL COST	2.768	2.924	2.260		
	D_1 Q	hopping List Item No. 71	Fact Sho		
	1-1-0	nopping List item No. 71	Exhibit P-1900, page 20 o		
			Exhibit P-1900,		

Exhibit P-1900, Fact Sheet	3110271	SSIFIED	Date: February 2002		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No	P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and			Reconnaissance Program		
Facilities, Item No. 71					
	MISCELLANEOUS PRODUC	'S BUDGET REQUEST TION CHARGES FACT SHEE n Millions)	ET		
PROJECT TITLE:	Reconnaissance Program				
MODELS OF AIRCRAFT APPLICABLE:	N/A				
DESCRIPTION/JUSTIFICATION:	Defense Airborne Reconnaissance Program (DARP). Information pertaining to DARP programs is classified and available on a need-to-know basis.				
PROJECTED FINANCIAL PLAN:					
	FY 2001	FY 2002	FY 2003		
BASIS FOR COST ESTIMATE:	0.000	13.538	21.843		
TOTAL COST	0.000	13.538	21.843		
	P-1 Shoppi	ng List Item No. 71	Fact Sh		

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Exhibit P-40, Budget Item Justification	on					Da	te: February 200)2
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number					P-1 Line Item Nomenclature			
, , , , , , , , , , , , , , , , , , , ,				Common Elec Countermeas		1		
	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
Proc Qty								
Total Proc Cost (\$ M)	4.792	1.200	1.182	0.000	0.00	0.000	0.000	

Description

These programs pro	vide for electronic co	ountermeasures and rela	ted support equipment v	which: (1) is not	directly related	to other procurement	ine items in this	appropriation; (2)
cannot be reasonably	y allocated and charg	ged to other procuremen	t line items in this appro	opriation; and (3)) can be manage	d as separate end item	s.	

P-1 Shopping List Item No. 72

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

Exhibit P-1900, Fact Sheet	<u> </u>	ICLASSIFIED	Date: February 2002			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu Aircraft Procurement, Air Force, Bud Facilities, Item No. 72	P-1 Line Item Nomenclature Common Electronic Countermeasures (CECM)					
	COMMON ELECTRONIC	DENT'S BUDGET REQUEST CS COUNTERMEASURES FACT S ollars in Millions)				
PROJECT TITLE:	Common Electronic Cou	ntermeasures (CECM)				
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-16 and Target Drones (QF-4 & BQM-34)					
DESCRIPTION/JUSTIFICATION:	nment/modernization of ALQ-131 and ated support equipment.	184 EW pods (primary self-protection equipment for				
	Program procures ALQ-188B and DLQ-9 electronic attack pods for target drones. Pods simulate threat aircraft electronic countermeasures and jamming capabilities.					
PROJECTED FINANCIAL PLAN:						
	FY 2001	FY 2002	FY 2003			
BASIS FOR COST ESTIMATE:						
ALQ-131 and 184 EW pods ALQ-188B and DLQ-9 electronic attack pods	4.792 0.000	0.000 1.200	1.182			
TOTAL COST	4.792	1.200	1.182			
	P-1 Sho	pping List Item No. 72	Fact She			

Exhibit P-1900, page 2 of 2

Exhibit P-40, Budget Item Justification						Date: February 2002			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							P-1 Line Item Nomenclature		
, , , , , , , , , , , , , , , , , , , ,						Defense Airborne Reconnaissance Program (DARP)			
	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007		
Proc Qty									
Total Proc Cost (\$ M)	5.964	90.036	83.751	83.016	63.104	69.882	65.670		

Description

This program provides centralized funding for multi-Service and Air Force requirements to field future airborne reconnaissance systems.

P-1 Shopping List Item No. 74

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

	UN	NCLASSIFIED				
Exhibit P-1900, Fact Sheet	Date: February 2002					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu Aircraft Procurement, Air Force, Bud Facilities, Item No. 74	P-1 Line Item Nomenclature Defense Airborne Reconnaissance Program (DARP)					
	MANNED RECONN	IDENT'S BUDGET REQUEST AISSANCE SYSTEMS FACT SHEET ollars in Millions)				
PROJECT TITLE:	Defense Airborne Reconnaissance Program (DARP)					
MODELS OF AIRCRAFT APPLICABLE:	N/A					
DESCRIPTION/JUSTIFICATION:	Information pertaining to DARP programs is classified and available on a need-to-know basis					
PROJECTED FINANCIAL PLAN:						
	FY 2001	FY 2002	FY 2003			
BASIS FOR COST ESTIMATE:	5.964	90.036	83.751			
TOTAL COST	5.964	90.036	83.751			