UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book

FY 2002 Amended Budget Submission



JUNE 2001

AIRCRAFT PROCUREMENT, AIR FORCE VOLUME I

OPR: SAF/FMB

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FY 2002 AMENDED BUDGET SUBMISSION

JUNE 2001

SECTION 1:

SUMMARY MATERIAL

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Agency: DEPARTMENT OF DEFENSE – MILITARY

Bureau: PROCUREMENT

Heading: Aircraft Procurement, Air Force

FY 2002 Budget

Appendix Page: 285

FY 2002

Pending Request: \$10,495,000,000

Proposed Amendment: \$249,458,000

Revised Request: \$10,744,458,000

- The amended budget changes or aligns resources to reflect President Bush's defense initiatives, final program cost initiatives, and several initial recommendations from Secretary Rumsfeld's ongoing strategy review.
- Includes funding for continued procurement of the Air Force's next-generation air superiority fighter, the F-22.
- Includes funding for two additional C-130J aircraft, including support and spare parts, and C-17 spares and repair parts, to improve mobility forces.
- Includes funding for B-2 and B-52 aircraft modifications, as part of new emphasis on long-range precision strikes.
- Includes funding for long-lead, contractor logistics support, and initial spares for a Joint STARS aircraft.
- Includes funding to accelerate the Global Hawk program in support of a new emphasis on information dominance.

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FY 2002 AMENDED BUDGET SUBMISSION

JUNE 2001

SECTION 2:

GLOSSARY/ORGANIZATIONS/TERMS

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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 2002 AMENDED BUDGET SUBMISSION

JUNE 2001

SECTION 3:

3010F AIRCRAFT, EXHIBIT P-1

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DEPARTMENT OF THE AIR FORCE

FY 2002 PROCUREMENT PROGRAM

SUMMARY 02 JUL 2001 (\$ IN MILLIONS)

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE			
ACTIVITY	FY 2000	FY 2001	FY 2002
01. COMBAT AIRCRAFT	1,115.6	3,039.9	3,037.3
02. AIRLIFT AIRCRAFT	3,515.5	3,130.0	3,766.8
03. TRAINER AIRCRAFT	107.4	131.5	228.4
04. OTHER AIRCRAFT	517.2	852.9	710.4
05. MODIFICATION OF INSERVICE AIRCRAFT	2,136.8	2,066.2	1,901.0
06. AIRCRAFT SPARES AND REPAIR PARTS	440.4	353.6	321.5
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	997.7	774.4	778.9
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	8,830.7	10,348.5	10,744.5

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

3,037.3

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

	MILLIONS OF DOLLARS							~
LINE NO ITEM NOMENCLATURE	CODE		COST	QUANTITY	2001 COST	QUANTITY	COST	
BUDGET ACTIVITY 01: COMBAT AIRCRAFT								
TACTICAL FORCES								
1 F-22 RAPTOR LESS: ADVANCE PROCUREMENT (PY)	A		(486.7) (-198.2)		(2,409.1)		(3,053.4)	
					2,130.4			
2 F-22 RAPTOR ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2001 FOR FY 2002) (MEMO)			277.1 (277.1)		392.6 (392.6)		379.2	
(FY 2002 FOR FY 2003) (MEMO)							(379.2)	
3 F-15A LESS: ADVANCE PROCUREMENT (PY)	A	5	(270.2)		(420.7) (-24.6)			U
			270.2		396.2			
4 F-15A ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			24.6 (24.6)					U
5 F-16A (MYP) LESS: ADVANCE PROCUREMENT (PY)	А	10	(-9.6)		(144.8) (-24.1)			U
			231.2		120.7			
6 F-16A (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			24.1 (24.1)					U

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3,039.9

1,115.6

TOTAL COMBAT AIRCRAFT

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

MTT.T	PIAOT.	\cap F	DOTITIARS	

	MILLIONS OF DOLLARS							
LINE NO ITEM NOMENCLATURE	CODE	QUANTITY		FY QUANTITY	COST	FY QUANTITY	COST	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT								
TACTICAL AIRLIFT								
7 C-17A (MYP) LESS: ADVANCE PROCUREMENT (PY)	В	15	(2,998.3)		(2,880.7) (-303.3)		(3,133.0)	
							2,875.8	
8 C-17A (MYP) ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			287.3 (287.3)		257.2		228.1	U
(FY 2001 FOR FY 2002) (MEMO) (FY 2002 FOR FY 2003) (MEMO)					(257.2)		(228.1)	
9 C-17 ICS	В		396.6				441.2	U
OTHER AIRLIFT								
10 EC-130J	А	1	87.0		89.2			U
11 С-130Ј	A		49.0	2	206.1	2	221.8	U
TOTAL AIRLIFT AIRCRAFT					3,130.0		3,766.8	
BUDGET ACTIVITY 03: TRAINER AIRCRAFT								
OPERATIONAL TRAINERS								
12 JPATS	А	29	107.4	34	131.5	48	228.4	U
TOTAL TRAINER AIRCRAFT			107.4		131.5		228.4	

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

MILLIONS OF DOLLARS

	MILLIONS OF DOLLARS							<u> </u>
LINE		FY				FY		
NO ITEM NOMENCLATURE	CODE	QUANTITY	COST			QUANTITY	COST	
BUDGET ACTIVITY 04: OTHER AIRCRAFT								
HELICOPTERS								
13 V-22 OSPREY LESS: ADVANCE PROCUREMENT (PY)	A		(21.5)		(352.1) (-19.7)		(117.8) (-22.7)	
			21.5		332.5		95.1	
14 V-22 OSPREY ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO)			19.7 (19.7)		22.7		15.0	U
(FY 2001 FOR FY 2002) (MEMO) (FY 2002 FOR FY 2003) (MEMO)			, ,		(22.7)		(15.0)	
MISSION SUPPORT AIRCRAFT								
15 C-32B FEST/DEST AIRCRAFT	А	1	73.0			1	72.5	U
16 CIVIL AIR PATROL A/C	A	27	2.5	50	6.3	27	2.6	U
17 OPERATIONAL SUPPORT AIRCRAFT	А	1	62.3	1	59.5			U
OTHER AIRCRAFT								
18 TARGET DRONES	A		30.0		32.6		35.5	U
19 C-40 ANG	A			1	51.5			U
20 EC-130H	А						19.0	U
21 E-8C LESS: ADVANCE PROCUREMENT (PY)	А	1	(224.8) (-35.6)		(284.3) (-36.0)	1	(328.8)	
			189.2		248.3		283.2	
22 E-8C ADVANCE PROCUREMENT (CY) (FY 2000 FOR FY 2001) (MEMO) (FY 2001 FOR FY 2002) (MEMO)			36.0 (36.0)		45.6 (45.6)		49.0	Ū
(FY 2002 FOR FY 2003) (MEMO)							(49.0)	
23 E-8C ICS	A		25.6					U

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

	MILLIONS OF DOLLARS						a	
LINE NO ITEM NOMENCLATURE	CODE		COST	FY QUANTITY	COST		COST	
24 HAEUAV LESS: ADVANCE PROCUREMENT (PY)	А					2	(107.6)	
25 HAEUAV ADVANCE PROCUREMENT (CY) (FY 2001 FOR FY 2002) (MEMO) (FY 2002 FOR FY 2003) (MEMO)					22.2 (22.2)		33.5 (33.5)	
26 PREDATOR UAV	А	7	57.4	7	31.8	6		U
TOTAL OTHER AIRCRAFT			517.2		852.9		710.4	
BUDGET ACTIVITY 05: MODIFICATION OF INSE	RVICE .	AIRCRAFT						
STRATEGIC AIRCRAFT								
27 B-2A	А		17.2		24.5		11.9	U
28 B-1B	А		113.7		48.3		95.5	U
29 B-52	А		23.5		42.1		3.5	U
30 F-117	А							
TACTICAL AIRCRAFT								
31 A-10	А		27.1		40.3		18.5	U
32 F-15	А		304.2		319.3		212.2	U
33 F-16	А		277.9		306.2		232.0	U
34 T/AT-37	А		*		.1		.1	U
AIRLIFT AIRCRAFT								
35 C-5	А		75.3		94.5		103.2	U
36 C-9	А		12.6		3.2		.6	U

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78.8 96.2 139.3 U

A

37 C-17A

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

EXHIBIT P-1

DATE: 02 JUL 2001

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

	MILLIONS OF DOLLARS								
LINE NO ITEM NOMENCLATURE	CODE QUAN	FY 2000	FY 2001 QUANTITY COST	FY 2002 QUANTITY COST					
38 C-21	А	9.8	1.9	2.7	U				
39 C-22	А	.2			U				
40 C-32A	A	.7	5.5	40.4	U				
41 C-37A	A	.4	. 4	.4	U				
42 C-141	A	10.5	.7	.8	U				
TRAINER AIRCRAFT									
43 T-1	А	*			U				
44 T-3 (EFS) AIRCRAFT	А	.2			U				
45 T-38	А	44.6	119.4	144.7	U				
46 T-41 AIRCRAFT	A	.1	.1	.1	U				
47 T-43	A	.8	4.9	3.8	U				
OTHER AIRCRAFT									
48 KC-10A (ATCA)	A	38.0	54.9	31.2	U				
49 C-12	А	6.3	1.5	. 4	U				
50 C-18	А	.3	.3	.8	U				
51 C-20 MODS	A	1.0	5.2	.6	U				
52 VC-25A MOD	А	8.7	.1	14.2	U				
53 C-130	A	163.2	101.1	57.9	U				
54 C-135	А	456.4	376.8	231.1	U				
55 DARP	А	236.1	157.8	195.0	U				
56 E-3	А	114.5	87.8	92.5	U				
57 E-4	А	14.3	31.3	45.5	U				
58 E-8	A	20.1	33.1	83.0	U				

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

					MILLIONS OF DOLLAR									
LINE NO	ITEM NOMENCLATURE		QUANTITY			FY 2002 QUANTITY COST								
59 H-1		А		.2	3.5	.3	U							
60 H-60		А		14.8	23.4	26.5	U							
61 OTHE	R AIRCRAFT	А		20.0	33.4	51.0	U							
62 PRED	ATOR MODS	А				10.4	U							
OTHER M	ODIFICATIONS													
63 CLAS	SIFIED PROJECTS	А		9.0	16.6	23.2	U							
64 SPEC	TIAL PROJECTS	A												
TOTAL MO	DIFICATION OF INSERVICE AIRCRAFT	•		2,136.8										
	CTIVITY 06: AIRCRAFT SPARES AND	REPAIR	PARTS											
AIRCRAF	T SPARES + REPAIR PARTS													
65 SPAR	ES/REPAIR PARTS	A		440.4			U							
TOTAL AI	RCRAFT SPARES AND REPAIR PARTS			440.4	353.6	321.5								
	CTIVITY 07: AIRCRAFT SUPPORT EQ	UIPMENT	AND FACI	LITIES										
	SUPPORT EQUIPMENT	7		179.0	176.3	211.3								
	RAFT SUPPORT EQ. & FACILITIES ODUCTION SUPPORT	А		1/9.0	170.3	211.3	U							
67 A-10		А		6.3			U							
					18.4	10.6								
68 B-2A		A		65.9										
69 B-2A		A		47.3	42.3									
70 B-1B		A				6.4								
71 C-13	0	A			1.4	1.4								
72 E-4		A			1.5		U							

DEPARTMENT OF THE AIR FORCE FY 2002 PROCUREMENT PROGRAM

FY 2002 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE DATE: 02 JUL 2001

MILLIONS OF DOLLARS

				MILLIONS OF DOLLAR	.S	C
LINE	TEEM NOMENCE ACTION			FY 2001		S E
NO 	ITEM NOMENCLATURE	CODE	QUANTITY COST	QUANTITY COST	QUANTITY COST	C -
73 F-15	POST PRODUCTION SUPPORT	А	7.1	7.2	7.4	U
74 F-16	POST PRODUCTION SUPPORT	A	45.3	31.2	14.5	U
INDUSTR	IAL PREPAREDNESS					
75 INDU	STRIAL PREPAREDNESS	A	24.0	25.1	25.7	U
WAR CON	SUMABLES					
76 WAR (CONSUMABLES	A	111.8	57.5	44.4	U
OTHER P	RODUCTION CHARGES					
77 MISC	PRODUCTION CHARGES	A	369.6	394.8	325.0	U
COMMON	ECM EQUIPMENT					
78 COMM	ON ECM EQUIPMENT	A	11.6	4.8	1.2	U
DARP						
79 DARP			129.9	13.9	90.3	U
TOTAL AI	RCRAFT SUPPORT EQUIPMENT AND	FACILITIES		774.4		
TOTAL AI	RCRAFT PROCUREMENT, AIR FORCE		8,830.7	10,348.5	10,744.5	

FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 01 – COMBAT AIRCRAFT JUNE 2001

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01	F-22 (Raptor)

										•		
Program Element for Code B Items: N/A					Other Relat	ed Program	Elements:		PE27219F			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	2	0	10	13	24	36	36	36	36	140	333
Cost (\$ M)		572.795	0.000	2130.383	2658.153	3235.475	3779.670	3379.315	3203.067	3109.673	10809.200	32877.731
Advance Proc Cost (\$ M)		277.080	277.100	392.600	379.159	985.589	251.874	246.017	239.066	227.756	1009.145	4285.386
Weapon System Cost (\$ M)		849.875	277.100	2522.983	3037.312	4221.064	4031.544	3625.332	3442.133	3337.429	11818.345	37163.117
Initial Spares (\$ M)		24.937	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	24.937
Total Proc Cost (\$ M)		874.812	277.100	2522.983	3037.312	4221.064	4031.544	3625.332	3442.133	3337.429	11818.345	37188.054
Flyaway Unit Cost (\$ M)		316.845	0.000	197.911	186.678	127.430	99.968	86.606	81.566	80.305	75.030	93.562
Wpn Sys Unit Cost (\$ M)		384.998	0.000	252.298	233.639	175.878	111.987	100.704	95.615	92.706	84.417	111.601

Description

The following net transactions are not reflected in the FY01 program total: BTR = +9.999M for Lot 1 Cost and +3.614M for Lot 2 Advance Proc Cost; ATR = +9.568 for Lot 1 Cost. These transactions are not reflected in other sections of the PDocs where an FY01 total is shown.

The FY03-FY07 budget numbers do not reflect DoD's strategic review results.

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. A total of 333 F-22 production aircraft will be produced (does not include 6 PRTV II aircraft purchased with RDT&E funds).

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.

FY 2002 Program Justification

Procure 13 Low Rate Initial Production (LRIP) aircraft and associated support and Advance Procurement to fund procurement of long-lead parts and materials necessary to protect the delivery schedule of the FY 03 buy.

P-1 Shopping List Item No. 01

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

Exhibit P-5, Weapon System Cost Ana								Date: Ju	ne 2001		
Appropriation (Treasury) Code/CC/BA/BSA/Item Co	ontrol Number						P-1 Line Item N	lomenclature			
Aircraft Procurement, Air Force	, Budget Ac	tivity 0	1, Combat	Aircraft,	Item No. (01	F-22 (Rap	tor)			
Manufacturer's Name/Plant City/State Locati	ion			Subline Item		_					
Weapon System	Ident				Total Cost	of Dollars	of Dollars				
Cost Elements	Code		FY 2000			FY 2001			FY 2002		
				Total			Total			Total	
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	
Airframes/CFE	A				10	122.458	1224.581	13	116.517	1514.721	
Engine/Accessories (shipset)	A				10	22.651	226.513	13	21.754	282.800	
Avionics	A				10	42.166	421.657	13	34.497	448.459	
Nonrecurring Costs	A						106.363			180.829	
FLYAWAY COST SUBTOTAL	A						1979.114			2426.809	
Less: Prior Year Adv Procurement	A						-278.761			-395.256	
Plus: Current Year Adv Procurement	A						392.600			379.159	
Other	A						19.226			28.700	
Air Vehicle Support	A						319.516			481.400	
Engine Support	A						91.288			116.500	
Interim Supply Support	A										
Publications/Technical Data	A										
ECOs	A										
Other	A										
Subtotal Support Costs	A						430.030			626.600	
•											
TOTAL PROGRAM							2522.983			3037.312	
Comments	•		•	_	•						
The FLYAWAY COST SUBTOTAL Total of unit cost.	Cost number doe	es not matc	ch the Flyaway	Unit Cost nu	imber on the	P-40 becaus	e one is a tota	l cost and th	e other is an a	iverage	
			P-1 Shopping	List Item N	lo. 01			-	System Co	-	

Exhibit P-5A, Procuremen	t Histo	ry and Pla	anning							Date: June	2001	
Appropriation (Treasury) Code/CC/					<u> </u>	A	N 04		Item Nome			
Aircraft Procurement,	Air F	orce, Bu	udget Act	vity 01,	Combat	Aircraft, It	em No. 01	F-22 ((Raptor)		
Weapon System					Subline Ite	m						
F-22												
			Location of	RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Loca	ation	Date	Delivery	Now?	Available?
Lockheed Martin Corp	2		ASC/YF	Jan-98	SS	FFP	Lockheed Martin		Dec-98	Nov-01	Yes	
Lockheed Martin Corp	10	164 624	ASC/YF	May-99	SS	FFP	Lockheed Martin		Aug-01	Feb-03	Yes	
Lockheed Martin Corp	13		ASC/YF	Apr-00	SS	FFP	Lockheed Martin		Oct-01	Nov-03	Yes	
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Pratt & Whitney	4	16.750	ASC/YF	Dec-97	SS	FFP	Pratt & Whitney		Dec-98	Feb-01	Yes	
Pratt & Whitney	20	11.326	ASC/YF	Jan-00	SS	FFP	Pratt & Whitney		Aug-01	May-02	Yes	
Pratt & Whitney	26	10.877	ASC/YF	Jan-01	SS	FFP	Pratt & Whitney		Oct-01	May-03	Yes	
Unit cost does not include non Specs are available, however,			oackage is a 'd	eferred deli	very' option	and is curren	tly maintained by the c	contracto	r.			
				p.	1 Shopping	g List Item No	o. 01		Proc		-	d Planning ge 3 of 13

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Exhibit P-21, Production	n Sched	dule																				D	ate:	June	e 20	01			
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Production Schedule Exhibit P-21, page 4 of 13

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Production Schedule Exhibit P-21, page 5 of 13

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Exhibit P-21, Production	Sched	lule																				Da	ite:	June	e 20°	01			
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P-1 Shopping List Item No. 01

Production Schedule Exhibit P-21, page 7 of 13

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01	F-22 (Raptor)

Weapon System F-22

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity		6	18	3	3	30	10	2	72
Proc		52.862	72.100	11.437	17.556	111.186	74.105	16.349	355.595

TRAINING SYSTEM DESCRIPTION

The FY03-FY07 budget numbers do not reflect DoD's strategic review results.

The 01PB documentation accounted for FMTs as complexes, where one complex = 4 FMT devices. The 02PB and all subsequent submissions will account for FMTs by actual devices vs complexes.

The 01PB documentation accounted for Aircrew and Maintenance training costs (Support Costs) within the total Air Vehicle Support line (P-5), but did not separately identify these costs on the P-43. As a result of additional information becoming available, the 02 PB and all subsequent submittals will separately identify training system devices and support costs to provide additional insight into the training program.

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.

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 to support 2-ship and 4-ship training.

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

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.

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M Exhibit P-43 p.1, page 8 of 13

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
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 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.

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 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 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.

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.

The Off-Equipment Training Material (OETM) is a collection of sample or damaged structural components used to train maintenance technicians to perform structural

P-1 Shopping List Item No. 01

Simulator and Training Device Justification (\$ M Exhibit P-43 p.1, page 9 of 13

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
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	
maintenance tasks such as back shop composite repair, non-destructive inspection (NDI), and metals repair.	
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.
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 multimedithe instructor's CBT workstation and video player to a screen in the front of the classroom. A Maintenance Support Work unclassified Integrated Management Information System (IMIS).	ia system will transmit audio/video outputs from
Classified classrooms will be approximately the same as the unclassified classrooms, except there will be no MSW and reworkstations.	emovable hard drives will be provided for the CBT
P-1 Shopping List Item No. 01 Si	mulator and Training Device Justification (\$ M Exhibit P-43 p.1, page 10 of 13

ator and Tra	aining Device	Justification	· (\$ M)				Date:	: June 2001	
			1, Combat	Aircraft, It	em No. 01			ure	
e: Unit Train	ning Device (UT	ſ D)							
SITE	DELIVERY	READY	AVG	FY	2000	FY 2	2001	FY 2	2002
ı	TIME	TRAINING	STUDENT						
1	'	DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST
<u></u>	<u> </u>	<u> </u>	PUT						
								1	1.718
						4	7.659	7	13.436
						2	27.008	6	36.529
		[2	1.598
	<u> </u>	<u> </u>							
								2	6.063
		<u> </u>				6	34.667	18	59.344
r	ent, Air Fore: Unit Train	ent, Air Force, Budget ent, Air Force, Budget ee: Unit Training Device (UT SITE DELIVERY TIME	ent, Air Force, Budget Activity 0 re: Unit Training Device (UTD) SITE DELIVERY READY TIME TRAINING DATE	re: Unit Training Device (UTD) SITE DELIVERY READY AVG TIME TRAINING STUDENT DATE THROUGH PUT	SITE DELIVERY READY AVG FY TRAINING STUDENT DATE THROUGH QTY PUT	ent, Air Force, Budget Activity 01, Combat Aircraft, Item No. 01 Te: Unit Training Device (UTD) SITE DELIVERY READY AVG FY 2000 TIME TRAINING STUDENT DATE THROUGH QTY COST PUT COST	SITE DELIVERY READY AVG FY 2000 FY 2 TIME TRAINING STUDENT DATE THROUGH PUT AT THROUGH PUT A	SITE DELIVERY READY TRAINING DATE THROUGH PUT TO D	P-1 Line Item Nomenclature F-22 (Raptor) P-22 (Raptor) P-22 (Raptor) P-3 Line Item Nomenclature F-22 (Raptor)

P-1 Shopping List Item No. 01

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

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 01, Combat Aircraft, Item No. 01

P-1 Line Item Nomenclature

F-22 (Raptor)

Weapon System F-22

Equipment Nomenclature: Aircrew Trainers

Description:

The 01PB P-Doc submittal accounted for FMTs as complexes, where one complex = 4 FMT devices. The 02PB and all subsequent submissions will account for FMTs by actual devices vs complexes.

The 01PB for FY01 Aircrew Training System cost (P-43 p.3, page 6 of 7) included training system devices and costs associated with Aircrew and Maintenance training (Support Costs). As a result of additional information becoming available, the 02 PB and all subsequent submittals will separately identify training system devices and

support costs to provide additional insight into the training program.

support costs to provide descrito		- · · · · · · · · · · · · · · · · · · ·	- 6							
FINANCIAL PLAN	FY 2	2000	FY 2	2001	FY 2	2002	To Cor	nplete	Total	Costs
FINANCIAL FLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Training Systems			6	34.667	14	51.683	45	208.011	65	294.361
Total Hardware Costs			6	34.667	14	51.683	45	208.011	65	294.361
Support Costs										
				6.821		10.716		67.584		85.121
Total Support Costs				6.821		10.716		67.584		85.121
TOTAL COSTS			6	41.488	14	62.399	45	275.595	65	379.482

P-1 Shopping List Item No. 01

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

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 01, Combat Aircraft, Item No. 01

P-1 Line Item Nomenclature

F-22 (Raptor)

Weapon System F-22

Equipment Nomenclature: Maintenance

Description:

The 01PB P-Doc submittal accounted for FMTs as complexes, where one complex = 4 FMT devices. The 02PB and all subsequent submissions will account for FMTs by actual devices vs complexes.

The 01PB for FY01 Aircrew Training System cost (P-43 p.3, page 6 of 7) included training system devices and costs associated with Aircrew and Maintenance training (Support Costs). As a result of additional information becoming available, the 02 PB and all subsequent submittals will separately identify training system devices and

support costs to provide additional insight into the training program.

FINANCIAL PLAN	FY 2	2000	FY	2001	FY 2	2002	To Con	nplete	Total	Costs
FINANCIAL FLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
					4	7.660	27	100.996	31	108.656
Total Hardware Costs					4	7.660	27	100.996	31	108.656
Support Costs										
				11.374		2.041		21.910		35.325
Total Support Costs				11.374		2.041		21.910		35.325
TOTAL COSTS				11.374	4	9.701	27	122.906	31	143.981

P-1 Shopping List Item No. 01

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

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Exhibit P-40, Budget Item	Justifica	tion								Date: Jur	ne 2001	
Appropriation (Treasury) Code/C0	C/BA/BSA/Ite	m Control Num	ber					P-	1 Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budg	et Activit	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 2000	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)		277.080	277.100	392.600	379.159	985.589	251.874	246.017	239.066	227.756	1009.145	4285.386
Weapon System Cost (\$ M)		277.080	277.100	392.600	379.159	985.589	251.874	246.017	239.066	227.756	1009.145	4285.386
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		277.080	277.100	392.600	379.159	985.589	251.874	246.017	239.066	227.756	1009.145	4285.386
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

The following net transactions are not reflected in the FY01 program total: BTR = +9.999M for Lot 1 Cost and +3.614M for Lot 2 Advance Proc Cost; ATR = +9.568M for Lot 1 Cost. These transactions are not reflected in other sections of the PDocs where an FY01 total is shown.

The FY03-FY07 budget numbers do not reflect DoD's strategic review results.

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

FY 2002 Program Justification

Procures long-lead parts and materials necessary to protect the delivery schedule of the FY 03 buy and Diminishing Manufacturing Sources (DMS) parts requirements.

P-1 Shopping List Item No. 02

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

		•	ents Anal	yolo						Date: June	2001	
			Activity ()1, Comb	oat Aircr	aft, Item	No. 02				ce Procu	urement
					First Syster	n Award Da	ate		First Syster	n Completion	on Date	
						Jun-	-98			Nov	- 01	
				(3	in Millions	s)						
<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
		2		10	13	24	36	36			212	333
		247.067	239.700	338.282	267.749	276.844	201.974	203.350	200.866	193.156	541.699	2710.687
						609.596					341.147	950.743
		30.013	37.400	54.318	111.410	99.149	49.900	42.667	38.200	34.600	126.299	623.956
		277.080	277.100	392.600	379.159	985.589	251.874	246.017	239.066	227.756	1009.145	4285.386
	nent, A	nent, Air Force, I	PLT When Rqd Prior Years 2 247.067	PLT When Rqd Prior Years FY 2000 247.067 239.700	PLT When Rqd Prior Years FY 2000 FY 2001 2 247.067 239.700 338.282 30.013 37.400 54.318	Sin Millions Prior Years FY 2000 FY 2001 FY 2002 2 2 10 13 247.067 239.700 338.282 267.749 30.013 37.400 54.318 111.410	Prior Years FY 2000 FY 2001 FY 2002 FY 2003 2 10 13 24	Pior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 Sin Millions FY 2004 Sin Millions FY 2004 Sin Millions Sin Milli	Pior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005	F-22 (Rapto First System Award Date Jun-98 First System Award Date Pirst System Award Date First System Complete Jun-98 Nov.	Pior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp 2 To Comp 3 To Comp 2 To Comp 2 To Comp 2 To Comp 3 To Comp 2 To Comp 3 To Comp 3 To Comp 4 To Comp 2 To Comp 2 To Comp 3 To Comp 3 To Comp 3 To Comp 3 To Comp 4 To Comp 2 To Comp 3 To Comp 3 To Comp 3 To Comp 4 To Comp 5 To Comp 6 To Comp 6 To Comp 6 To Comp 7 To Comp 7 To Comp 7 To Comp 7 To Comp 8 To Comp 7 To Co	

Description:

CFE represents required funding for Contractor Furnished Equipment (CFE) for both Air Vehicle and Engine.

Design line represents funding for Diminishing Manufacturing Sources (DMS).

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

First system award date reflects advanced buy for Lot 1.

P-1 Shopping List Item No. 02

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

		UNCL	ASSIFIED			
Exhibit P-10 p.2, Advance P (Page 2 - Budget Justification		Analysis			Date: Jι	ine 2001
Appropriation (Treasury) Code/CC/Ba	A/BSA/Item Control Number			P-1 Lir	ne Item Nomenclature	
Aircraft Procurement, A	Air Force, Budget Activ	rity 01, Comba	t Aircraft, Item No	o. 02 F-22	(Raptor) Adva	ance Procurement
Weapon System						
F-22AP						
		(TOA,	\$ in Millions)	_		
					2002 Contract	2002 Total Cost
Description	<u>PLT</u>	<u>OPA</u>	<u>Unit Cost</u>	2002 QTY	Forecast Date	Request
End Item						
CDT			11.175	1 0.	- D 01	2.57.740
CFE			11.156	24	Dec-01	267.749
GFE						
EOQ	<u> </u>			1		
Design			4.642	24	Dec-01	111.410
Design			4.042	29	Dec-01	111.410
Term Liability						
TOTAL AP						379.159
						317.137
Description:						
Design line represents funding for						
CFE represents required funding						
Contract Forecast Date reflects a						
Production leadtime (PLT) is 35	months for Air Vehicle and 27	months for Engine.				

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	1 Justificat	ion								Date: Jun	ie 2001	
Appropriation (Treasury) Code/CO	C/BA/BSA/Iter	n Control Num	ber					P- <i>′</i>	Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budge	et Activit	ty 01, Co	mbat Air	craft, Itei	m No. 03	F-	15E			
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		None.			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	1,100	5	5	0	0	0	0	0	0	0	1,110
Cost (\$ M)		26219.910	270.188	396.175	0.000	0.000	0.000	0.000	0.000	0.000		26886.273
Advance Proc Cost (\$ M)			24.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000		24.563
Weapon System Cost (\$ M)		26219.910	294.751	396.175	0.000	0.000	0.000	0.000	0.000	0.000		26910.836
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		0.000
Total Proc Cost (\$ M)		26219.910	294.751	396.175	0.000	0.000	0.000	0.000	0.000	0.000		26910.836

Description

Flyaway Unit Cost (\$ M)

Wpn Sys Unit Cost (\$ M)

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

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.

75.789

71.818

FY 2002 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		Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat	: Aircraft, Item No. 03	F-15E
Manufacturer's Name/Plant City/State Location	Subline Item	
		<u> </u>

Manufacturer's Name/Plant City/State Location				Subline Item						
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	5	0.993	4.966	5	0.999	4.993			
Airframe/CFE	A	5	52.752	263.761	5	54.278	271.390			
Engine/Accessories	A	10	4.067	40.670	10	4.123	41.230			
Parts Obsolescence	A			5.205			7.424			
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A	5	3.534	17.670	5	3.401	17.007			
Engineering Change Orders (ECO)	A			3.906			8.000			
Nonrecurring Costs	A			22.663			18.257			
Other Costs	A			0.250			10.647			
FLYAWAY COST SUBTOTAL	A			359.091			378.948			
Advance Buy	A			24.563						
Gross P-1 Cost	A									
Less Prior Yr Adv. Proc	A						-24.563			
Support Equipment	A						1.790			
ADCP	A						22.000			
Misc.	A						18.000			
Total Cost	A			383.654			396.175			
TOTAL PROGRAM										

Comments

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. The Misc line includes the radar money that was not reprogrammed. 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

					UNCLF	ASSIFIED						
Exhibit P-5A, Procureme	ent Histo	ry and Pla	anning							Date: June	2001	
Appropriation (Treasury) Code/C Aircraft Procuremen				ivity 01,	Combat	Aircraft, I		P-1 Lin F-15	ne Item Nome E	nclature		
Weapon System					Subline Iter	m						
F-15E												
WBS Cost Elements	Qty	Unit Cost	1	RFP Issue	Contract Method	Contract Type	Contractor and Loca	ation	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Air Vehicle CFE			ASC/FBA		С	FFP			1		1	
FY00	5	58.325	ASC/FBA		FFP	FFP	The Boeing Compar	ny	Mar-00	May-02		
FY01	5	57.940	ASC/FBA		FFP	FFP	The Boeing Compar		Mar-01	May-02	1	
Propulsion			ASC/LPP		С	FFP						
FY00	10	4.067	ASC/LP		FFP	FFP	PRATT & WHITNE	EΥ	Sep-00	May-02	Yes	
FY01	10	4.123	ASC/LP		FFP	FFP	PRATT & WHITNE	EΥ	May-01	May-02		
Band 1.5			ASC/FBA		FFP	FFP						
FY00	5	2.000	ASC/FBA		FFP	FFP	Nothrup		Mar-02	Mar-02	Yes	
FY01	5	2.000	ASC/FBA		FFP	FFP	Northrup		Mar-02	Mar-02		
<u>Remarks</u>												
\$575.073 of both year funds	obligated	on Mar 01	. \$571.073 F	FP with rer	naining \$4M	i as a CPFF co	ontract for GFE Repair.					

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

Exhibit P-21, Production	Sched	ule																				Da	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/Co	C/BA/BS	A/Item C	ontrol Nur	mber														P-1	1 Lin	e Iten	n Noi	meno	clatur	e					
Aircraft Procurement	t, Air	Force	։, Budç	jet Acti	vity	<u>′ 01</u>	, Co	mb	at i	Air	craf	ft, It	tem	No	o. 0	3		F-	15	E									
	S		ACCEP.	BALANCE		2000		\equiv	FISC	AL Y	EAR 2		NID AT	N N/E A	D 200	\1				1	FISC	CAL Y			/EAD	2002			L
V 2000 2000 T V C N B R R Y N L G J 2000 USAF 5 2 3							S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	YEAR : J U N	J U L	A U G	S E P	A T E R									
			2						\Box		\square													1			1		1
TOTAL	USAF	5 10	0	5	₩	$\vdash \vdash \vdash$		ሥ	igwdapprox	\vdash	$\vdash\vdash\vdash$							-+					_	1	\vdash		1	$\vdash\vdash\vdash$	5
					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	Т	M										ADI			TIM	E	_	l						\dashv
ITEM/MANUFACTURER'S NAME		LOCATIO	ON	SUST	HOU!		A X	RE	EACHI D+	ED	_							TIME			MFG TIME			ΓΟΤΑ AFTE	R				
Boeing		St. Louis,	MO 63316	1	4		5									PRI 1 C	IOR ICT	AFI 1 O						1 OC		ļ			
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REMARKS																													

FY03-07 budget numbers do not reflect the DoD strategic review results. FY00 and FY01 USAF buys are for attrition reserve aircraft

P-1 Shopping List Item No. 03

Production Schedule Exhibit P-21, page 4 of 5

								JNC	<u> </u>	185	SIFIE	ED																	
Exhibit P-21, Productio	n Sche	dule										_						I	_			D۶	ate:	Jun	ne 20	01ر			
Appropriation (Treasury) Code/																		P-	1 Lin	ne Iten	n No	men	clatu	re					
Aircraft Procureme	nt, <u>Air</u>	Force	, Budç	jet <u>Act</u> i	vity	<u>/ 01</u>	, <u>C</u> c	<u>m</u> tر	ა <u>at</u>	<u>Air</u>	ːc <u>ra</u> ′	ft, I	ten	<u>n N</u> ∙	o <u>. (</u>	/3_		ĮĘ.	-15	E									!
	S	PROC.	ACCEP. PRIOR	BALANCE DUE	E	2002		\equiv			YEAR 2	2003		R YEA			\equiv		<u> </u>	\equiv	FIS		YEAR ALENI		YEAR	2004	<u> </u>		L A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2002	AS OF 1 OCT 2002	O C T	N O V	D E C	J A N	F E B		. P	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		A U G	S E P	T E R
2000	USAF	5	2	3					1	二	#	1	二			\Box	\Box	\Box	\Box	\Box			二	二	二	二		口	0
Z001 TOTAL	USAF	5 10				1		 '	+	.—	+'	1	+'	 	1 1	+-	\vdash	1	₩	$\vdash \vdash$	1 1	\vdash	┼	1	+	+'	1 1	\longrightarrow	0
TOTAL		10			O C T	N O V	D E C	J A N			. P	M A Y	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 Y	U		A U G	S E P	
		\top		PRODUCTIO		ATES			<u> </u>	1 15		<u></u> -			U	PROCI			LEAJ	D TIM	E				111	上		<u> </u>	\Box
ITEM/MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF HOU DAY	JRS	M A X	RJ	REACH D+							<u>_</u> ,	ADM LEAD		3		MFG TIME			TOTA AFTE					
Boeing		\equiv			$oxed{\pm}$			_]				'	PRIO 1 O			TER OCT	<u> </u>	TIME		$oldsymbol{\perp}$	1 OC	Γ				
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REMARKS					二			<u>—</u>	_	_	IKLU	<u> XDLX</u>	<u> </u>	_		<u>—</u>			_	<u> — </u>	_		_		_	二	_	_	
																													•

Production Schedule Exhibit P-21, page 5 of 5

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Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001	
Appropriation (Treasury) Code/C0	C/BA/BSA/Iter	m Control Num	ber					P- <i>′</i>	Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budg	et Activit	ty 01, Co	mbat Air	craft, Itei	m No. 04	F-	15E Adv	ance Pro	curemer	nt
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		None.			
	ID Code	Prior Years	FY 2000	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)			24.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000		24.563
Weapon System Cost (\$ M)			24.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000		24.563
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			24.563	0.000	0.000	0.000	0.000	0.000	0.000	0.000		24.563
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

This program is a Congressional add for the purchase of long lead items for additional attrition reserve F-15Es.

FY 2002 Program Justification

Not Applicable

P-1 Shopping List Item No. 04

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

Exhibit P-10 p.1, A (Page 1 - Funding)		ocurement	Requirem	nents Anal	ysis						Date: Jun	e 2001	
Appropriation (Treasury) Aircraft Procure	Code/CC/BA			Activity ()1, Coml	bat Aircr	aft, Item	No. 04		ine Item Nom		curement	<u> </u>
Weapon System	•	•					n Award Da			First Syste	m Completi	on Date	
F15EAP											<u> </u>		
					(\$ in Million	s)						
Description	<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty			1,100	5	5								1,110
CFE				23.400									23.400
GFE				1.163									1.163
EOQ Design													
Term Liability													
TOTAL AP				24.563									24.563
Description: FY03-FY07 budget n This program is a Coi						ional attritio	n reserve F	-15Es. Con	tract award	ed March 20	001.		
					P-1 Shop	oping List It	em No. 04		Adva	ince Procu		equirement (Page 1 · P-10 p.1, p	Funding

Exhibit P-10 p.2, Advance Pr (Page 2 - Budget Justificatio		Analysis			Date: Ju	ne 2001
Appropriation (Treasury) Code/CC/BA	-				P-1 Line Item Nomenclature	
Aircraft Procurement, A	ir Force, Budget Acti	vity 01, Comba	Aircraft, Item	No. 04	F-15E Advance Pro	ocurement
Weapon System F15EAP						
		(TOA,	\$ in Millions)			
					2002 Contract	2002 Total Cost
Description	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	2002 QTY	Forecast Date	Request
End Item						
CFE				1		
GFE						
	•		•	•	•	•
			_			
EOQ						
Design						
Term Liability						
TOTAL AD						
TOTAL AP						
Description:						
		P-1 Shoppir	ng List Item No. 04		Advance Procurement	
						- Budget Justification
					<u>Exhib</u>	it P-10 p.2, page 3 of

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05	F-16 C/D (MYP)

	•											
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	2,214	10	4	0	0	8	8	0	0	0	2,244
Cost (\$ M)		32576.520	231.206	120.723	0.000	0.000	229.162	239.280	0.000	0.000		33396.891
Advance Proc Cost (\$ M)		2860.790	24.096	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2884.886
Weapon System Cost (\$ M)		35437.310	255.302	120.723	0.000	0.000	229.162	239.280	0.000	0.000	0.000	36281.777
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	0.000	0.000	0.000				0.000
Total Proc Cost (\$ M)		35437.310	255.302	120.723	0.000	0.000	229.162	239.280	0.000	0.000	0.000	36281.777
Flyaway Unit Cost (\$ M)		15.970	23.318	26.600								
Wpn Sys Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

MISSION AND DESCRIPTION: The FY03-FY07 budget numbers do not reflect DoD's strategic review results.

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 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. The FY03-FY05 budget numbers do not reflect the DoD strategic review results.

FY 2002 Program Justification

P-1 Shopping List Item No. 05

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

Exhibit P-5, Weapon System Cost Analysis Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 05 P-1 Line Item Nomenclature F-16 C/D (MYP)

Manufacturer's Name/Plant City/State Location				Subline Item						
Lockheed-Martin Aeronautics Company., Ft. Wor	th, TX									
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	10	14.621	146.214	4	16.750	67.000			
Engine	A	10	3.820	38.200	4	4.500	18.000			
Avionics	A	10	1.531	15.310	4	2.000	8.000			
Armament	A	10	0.000	0.000						
Software	A	10	0.000	0.000						
Other Government Furnished Equipment (GFE)	A	10	2.080	20.800	4	2.350	9.400			
Engineering Change Orders (ECO)	A	10	0.300	3.000	4	0.500	2.000			
Nonrecurring Costs	A	10	0.200	2.000	4	0.500	2.000			
Other Costs	A	10	0.000	0.000						
Less Prior Year Adv Procurement	A			-14.486						
FLYAWAY COST SUBTOTAL	A			211.038			106.400			
Engine PGSE	A			4.500			3.000			
Peculiar Support Equipment	A			15.668			11.323			
SUPPORT COST SUBTOTAL	A			20.168			14.323			
TOTAL PROGRAM				231.206			120.723			

Comments

FY00 Aircraft Procurement (10 aircraft) are Force Structure Aircraft to begin fielding the 10th Suppression of Enemy Air Defense (SEAD) Squadron. An additional 20 aircraft are required and 16 are funded--8 in FY04 and 8 in FY05. There are 4 block 50 attrition reserve aircraft funded in FY01.

FY00 Advance Procurement was a FY00 Congressional Plus-up to the FY00 PB, however, these funds have been rescinded in the FY01Appropriation Conference.

P-1 Shopping List Item No. 05

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

Exhibit P-5A, Procurement										Date: June	2001	
Appropriation (Treasury) Code/CC/E					011	A ' (4 . 14	N 05		Item Nome			
Aircraft Procurement,	AIr F	orce, Bi	laget Acti	Vity 01,	Combat	Aircraft, it	em No. U5	F-16	C/D (MY	(P)		
Weapon System					Subline Ite	m						
F-16												
				RFP Issue		Contract			Award	Date of First	Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Loca	tion	Date	Delivery	Now?	Available?
FY2000 LOCKHEED MARTIN AERONAUTICS COMPANYAIRFRAM EFT WORTH, TX	10	15.387	Ft Worth, TX		SS	FFP	LOCKHEED MAR' AERONAUTICS COMPANYAIRFI -FT WORTH, TX		Apr-00	Apr-02	No	Apr-00
GENERAL ELECTRIC-PROPULSI ON FY2001	10	3.820	GE, Evendale, OH		С	FFP	GENERAL ELECTRIC-PROPU N, G.E. Evendale, O		Dec-99	Dec-00	Yes	
LOCKHEED MARTIN AERONAUTICS COMPANYAIRFRAM EFT WORTH, TX	4	16.750	Ft Worth, TX		SS	FFP	LOCKHEED MAR' AERONAUTICS COMPANYAIRFI -FT WORTH, TX		Dec-00	Oct-02	Yes	
GENERAL ELECTRICPROPULSI ON	4	4.136	GE, Evendale, OH		С	FFP	GENERAL ELECTRICPROPIN, G.E. Evendale, O		Feb-01	Feb-02	Yes	
Remarks				•		•						
				P-	1 Shopping	g List Item No	o. 05		Proci		-	d Planning age 3 of 7

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Exhibit P-21, Production	EGYPT 24 0 24 1 1 1 1 2 2 2 2 2 2																												
Appropriation (Treasury) Code/0	CC/BA/BS	A/Item C	Control Nu	mber														P-	1 Lin	e Iter	m No	men	clatur	e					
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ITEM/MANUFACTURER'S NAME		LOCATIO	ON	MIN	SHIF HOU	T JRS	Α	RF		ED							ADI	MIN		D TIM	MFG								
Lockheed Martin		Fort Wort	h, TX	4	1-8-5	;	2														HIME	5		1 OCT	,				
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Production Schedule Exhibit P-21, page 4 of 7

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Exhibit P-21, Productio																						Da	ate: .	June	e 20	01			
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2003	KOREA	20	0											1	2	1	2	1	2	1	2	1	2	1	2	1	1		0
2002	SING	20	0	20													1	1	1	1	3	1	2	1	1		3	2	3
2004	UAE	80	0															1			1_	1	2	2	3	3	3	2	62
2001	USAF	4	0		1	1	1	1			\sqcup						\Box									\Box			0
2002	USAF	20	0		-												-												20
2003	USAF	0	0																								-		0
2004	USAF	8	0		-	\vdash		┝	-		\vdash	-			-		-					_			\vdash	-	_	-	8
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TOTAL		200	0	200	0	N	D	J	F	M	Α	M	J	J	A	S	0	N	D	J	F	M	A	M	J	J	A	S	133
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ITEM/MANUFACTURER'S NAME Lockheed Martin		LOCATIO)N		DAY	'S	X		D+							L					TIME			AFTE					
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Production Schedule Exhibit P-21, page 5 of 7

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Exhibit P-21, Production Schedule Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 91, Combat Aircraft, Item No. 05 PROCUREMENT YEAR S PROC. Number																													
Appropriation (Treasury) Code/	CC/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lir	ie Iter	m No	meno	clatur	e					
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ITEM/MANUFACTURER'S NAME Lockheed Martin		LOCATIO	NC	MIN	SHIF	FT URS	Α	RI		ED						PRI	AD! LEAD IOR	MIN TIME	E TER		MFG		1	AFTE	R				
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REMARKS														—					—										

Production Schedule Exhibit P-21, page 6 of 7

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Exhibit P-21, Production	Sched	lule																				Da	ate: 、	June	2 0	01			
Appropriation (Treasury) Code/Co	C/BA/BS	A/Item C	ontrol Nur	mber														P-′	1 Line	e Iten	n No	menc	clature	е					
Aircraft Procurement	t, Air	Force	, Budg	get Acti	vity	/ 01	, Co	mk	at	Air	cra	ft, I	tem	n No	o. 0	5		F-	16	C/E) (N	ИYF	(د						
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ITEM/MANUFACTURER'S NAME Lockheed Martin		LOCATIO	<u>N</u>		DAY	'S	X		D+		1					PRI 1 C		AFI 1 O			TIME			AFTEF 1 OCT					
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REMARKS																													
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Production Schedule Exhibit P-21, page 7 of 7

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Exhibit P-40, Budget Item	Justificat	tion								Date: Jui	ne 2001	
Appropriation (Treasury) Code/CC	C/BA/BSA/Iter	m Control Numi	ber					Р	-1 Line Item No	omenclature		
Aircraft Procurement	, Air For	ce, Budge	et Activi	ty 01, Co	mbat Air	craft, Ite	m No. 06	<u>; </u>	-16 Adva	nce Proc	curement	
Program Element for Code B	Items:	N/A			Other Rela	ated Program	ı Elements:					
	ID Code	Prior Years	FY 2000	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)		14.486	24.096									38.582
Weapon System Cost (\$ M)		14.486	24.096									38.582
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		14.486	24.096									38.582
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

FY00 AP funds were rescinded in the FY01 Congress Appropriation Conference, balance is zero.

FY 2002 Program Justification

P-1 Shopping List Item No. 06

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

Exhibit P-10 p.1, A (Page 1 - Funding)		ocurement	Requiren	nents Anal	ysis						Date: Jun	e 2001	
Appropriation (Treasury)									•	ine Item Nom			
Aircraft Procure	ement, A	ir Force, l	Budget /	Activity ()1, Coml	bat Aircr	aft, Item	No. 06	F-1	6 Advan	ce Procu	ırement	
Weapon System						First Syster	m Award Da	ate		First Syste	m Completi	on Date	
F-16AP													
	1	 			(\$ in Million	s)		ı	ı	1		
<u>Description</u>	<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty				10	4	0	0	8	8				30
								.		1			
CFE			14.486	24.096									38.582
GFE													
FOO	1	 		<u> </u>		1		<u> </u>				 	
EOQ Design													
Term Liability													
Term Liability													
TOTAL AP			14.486	24.096									38.582
Description: FY00 AP funds were	rescindedin	the FY01 Co	ngress App	propriation (Conference	, balance is	zero.						
				'	P-1 Shop	oping List It	em No. 06		Adva	nce Procu		equirement Page 1 · P-10 p.1, p	· Funding)

Exhibit P-10 p.2, Advance Pr (Page 2 - Budget Justificatio		Analysis			Date: Ju	ine 2001
Appropriation (Treasury) Code/CC/BA	•				P-1 Line Item Nomenclature	
Aircraft Procurement, A		vity 01, Combat	Aircraft, Item	No. 06	F-16 Advance Prod	curement
Weapon System F-16AP	, G		•			
10.11		(TOA, S	§ in Millions)			
					2002 Contract	2002 Total Cost
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	2002 QTY	Forecast Date	Request
End Item						
CFE		<u> </u>	1	<u> </u>		
GFE						
OI E	I		<u> </u>	I		
EOQ						
Design						
Term Liability						
TOTAL AP						
Description:						
		P-1 Shoppin	ng List Item No. 06	-	Advance Procurement	Requirements Analys
		соррп	.9 2.31 1.0111 110. 00			- Budget Justification
						oit P-10 p.2, page 3 of

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FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 02 – AIRLIFT AIRCRAFT JUNE 2001

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07	C-17A (MYP)

	•					•						
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	70	15	12	15	12	5	8	0	0	0	137
Cost (\$ M)		18568.100	2679.651	2577.440	2875.775	2481.399	1038.746	1933.331	7.680	7.689		32169.811
Interim Ctr Support (\$ M)		307.000	396.600	411.293	441.163	444.316	308.197	328.160	368.983	355.697		3361.409
Advance Proc Cost (\$ M)		2229.849	303.300	257.233	228.100	107.500	175.400				0.000	3301.382
Weapon System Cost (\$ M)		21104.949	3379.551	3245.966	3545.038	3033.215	1522.343	2261.491	376.663	363.386	0.000	38832.602
Initial Spares (\$ M)		803.851	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	803.851
Total Proc Cost (\$ M)		21908.800	3379.551	3245.966	3545.038	3033.215	1522.343	2261.491	376.663	363.386	0.000	39636.453
Flyaway Unit Cost (\$ M)		271.228	196.526	199.582	203.742	211.685	216.218	261.478				
Wpn Sys Unit Cost (\$ M)		301.499	225.303	236.223	236.336	252.768	304.469	282.686				

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

Due to an administrative coding error, FY02 shows incorrect budget data. The correct FY02 amounts are as follows: MYP, Cost (\$M), \$2,853.275 for FY02; Interim Ctr Support (\$M), \$463.663 for FY02.

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

FY 2002 Program Justification

Funding will provide for procurement of fifteen aircraft and sixty engines in FY02. This reflects the sixth year of the multiyear procurement (MYP) acquisition contract (FY97-03).

The MYP, signed on May 31, 1996 by the Secretary of the Air Force, allowed McDonnell Douglas Aircraft (now Boeing Airlift and Tankers) and Pratt & Whitney to procure 80 C-17 aircraft along with the associated engines. The contracts are valued at \$16.0B. These long-term commitments are the longest and largest multiyear contracts ever entered into by the Department of Defense.

P-1 Shopping List Item No. 07

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

Exhibit P-5, Weapon System Cost Analysis Date: June 2001 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07 C-17A (MYP) Manufacturer's Name/Plant City/State Location Subline Item Boeing Airlift and Tankers / Long Beach, CA Weapon System Ident Total Cost In Millions of Dollars Cost Elements Code FY 2000 FY 2001 FY 2002 Total. Total Total Unit Cost Cost Qty **Unit Cost** Cost Qty **Unit Cost** Cost Qty 1.0 Airframe Α 15 165.090 2476.357 12 168.406 2020.874 15 170.607 2559.109 2.0 Engine (4) (Model F-117-PW-100) 48 60 5.043 302.600 5.200 249.600 60 317.600 Α 5.293 3.0 Avionics Α 15 5.872 88.073 12 5.807 69.682 15 6.233 93.495 4.0 Engineering Change Orders (ECO) 0.000 0.000 Α 0.000 5.0 Product Improvement 15 44.763 12 3.569 42.823 15 85.922 Α 2.984 5.728 6.0 Nonrecurring Flyaway Α 0.000 0.000 0.000 7.0 Settlement Α 36.100 12.000 0.000 8.0 Flyaway Cost Subtotal (1 thru 7) Α 2947.893 2394.979 3056.126 9.0 Peculiar Support Equipment 13.901 7.000 Α 16.060 10.0 Common Support Equipment Α 2.350 6.043 0.996 11.0 Training 28.734 87.944 58.444 Α 12.0 Data Α 1.683 2.881 2.783 13.0 Field Support 0.000 0.000 0.000 Α 14.0 Flex Sustainment (See below - Other P-1 0.000 Α 0.000 0.000 Weap 15.0 Whole Engine Spares 27.500 0.000 18.600 Α 16.0 Mission Support Α 16.240 15.600 13.500 17.0 Support Cost Subtotal (9 thru 16) 90.408 110.383 Α 119.468 18.0 Gross P-1 Cost (8 + 17) Α 3038.300 12 2514.447 15 3166.508 19.1 LESS: Prior Year Adv Procurement -257.233 -302.649 -303.300 Α 19.2 LESS: EOQ Payback Α -56.000 -45.000 -56.000 2853.275 20.0 Net P-1 Cost (18 + 19) Α 2679.651 2166.147 21.0 Advance Procurement, Current Year 257.233 Α 303.300 228.100 Other P-1 Weapon System Costs Α 22.1 ICS (BP10 1050; FY00 thru To Complete) 411.293 Α 396.600 463.663

P-1 Shopping List Item No. 07

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

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22.2 Initial Spares (BP16)

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Exhibit P-5, Weapon System Cost Anal	•							Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cor							P-1 Line Item N		,	
Aircraft Procurement, Air Force,	, Budget Ac	ctivity 0	2, Airlift Ai	rcraft, Ite	m No. 07	<u>/(</u>	C-17A (M)	YP)		
Weapon System	Ident				Total Cos	st In Millions	of Dollars			
Cost Elements	Code		FY 2000		<u> </u>	FY 2001		<u> </u>	FY 2002	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
TOTAL PROGRAM				3379.552			2834.673	<u> </u>		3545.039
Comments										
Architecture, Airline Operational Control & P Improvements, Composite Panel Leading Edg NOTE: The settlement line covers partial pay respectively.) *FY00 Supplemental Appropriation, \$14.9M 3002, instead of 3010. *Modifications dollars (\$78.789M in FY00, \$	ge Protection, and yment of the H-	and Parts Ol -22 settleme System Tra	ent agreement ainer, is not incl	roject. with Boeing.	. (The requinum)	irement for FY	Y00 and FY01	1 is \$72.0M	I and \$50.0M	oriation,

Weapon System Cost Analysis Exhibit P-5, page 3 of 15

Exhibit P-5A, Procurer	nent Histo	ry and Pla	anning							Date: June	2001	
Appropriation (Treasury) Code									Item Nome			
Aircraft Procureme	ent, Air F	orce, Bu	udget Acti	vity 02,	Airlift Ai	rcraft, Iter	n No. 07	C-17/	4 (MYP)			
Weapon System					Subline Ite	m						
C-17A												
WBS Cost Elements	Otv	Unit Cost		RFP Issue	Contract Method	Contract Type	Contractor and Locat	ion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
FY 1999	Qty	Omi Cost	100	Date	Wichiod	Турс	Contractor and Locat	1011	Date	Denvery	i vow :	Available:
Air Vehicle	13	180.508	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	ı, CA	Dec-98	Jun-00		
Propulsion	52	4.786	AFMC/ASC		SS	FFP	Pratt & Whitney, Eas Hartford, CT		Dec-98	Jul-99		
FY 2000												
Air Vehicle	15	170.962	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	ı, CA	May-00	Jul-01		
Propulsion	60	5.043	AFMC/ASC		SS	FFP	Pratt & Whitney, Eas Hartford, CT	t	Oct-99	Jul-00		
FY 2001												
Air Vehicle	12	174.213	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	ı, CA	Feb-01	Aug-02		
Propulsion	48	5.200	AFMC/ASC		SS	FFP	Pratt & Whitney, Eas Hartford, CT	t	Dec-00	Sep-01		
FY 2002												
Air Vehicle	15	176.840	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach	ı, CA	Jan-02	Aug-03		
Propulsion	60	5.293	AFMC/ASC		SS	FFP	Pratt & Whitney, Eas Hartford, CT		Nov-01	Jul-02		

Remarks

- -- Air Vehicle Unit Cost is total of Airframe and Avionics unit costs from P-5 Exhibit which includes both Contractor and Government Furnished Equipment.
- -- Air Vehicle Multi-Year Procurement contract was awarded on 1 Jun 96. The award dates indicated above reflect contract modification dates to obligate funds for the aircraft procured in each fiscal year.
- -- Propulsion Multi-Year Procurement contract was awarded on 16 Dec 96. The award dates indicated above reflect contract modification dates to obligate funds for the engines procured in each fiscal year.
 - -- The Propulsion Contract Type is Firm Fixed Price with Escalation.

P-1 Shopping List Item No. 07

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

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Exhibit P-21, Productio	n Sched	aluk																				Da	ate:	June	e 20	01			
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C-17A / Boeing (Lots 11 - 15)		Long Bead	ch, CA	6	1/8/5		15	4								PRI			TER					1 OCT		ĺ			
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REMARKS FY03-FY07 budget numbers do not ref	lect the DoD) strategic re	eview results	s.																									
The forecast delivery dates reflect the l	MYP contrac	et dates. Act	tual deliveri	es have been ea																									
A commercial lease arrangement between	en the Unite	d Kingdom	(UK) and B	oeing resulted	in the	lease o	f four (<u>C-17 a</u>	uircraft	to the	UK.	The fo	orecast	ed deli	iveries	, which	h are n	ot inc	luded	in the	delive	ry sch	edule :	above,	are Ju	n, Jul,	Aug a	nd Ser	2001.
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Production Schedule Exhibit P-21, page 5 of 15

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Production Schedule Exhibit P-21, page 6 of 15

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The forecast delivery dates for the additional	1 17 aircra	ift are only	projected of	dates; these air	craft h	ave no	been p	laced o	n conti	ract.																			
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	S E	PROC.	PRIOR	DUE		2004					,				AR 200								ALEN	DAR Y	YEAR	2006			Α
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2004	AS OF 1 OCT 2004	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
2003	USAF	4	0				1	1	1	1															\Box	匚	工		0
2004	USAF	5	0			<u> </u>		┞		₩	1		1		1		1		1		┞	_	—	₩	—	₩	—		C
2005	USAF	8	0					┡		₩	-	_	<u> </u>							1	1	1	1	1	1	1	1	<u> </u>	C
TOTAL		17	0	17	_		1	1	1	1	1		1		1	-	1		1	1	_1	1	1	1	1	1	1	_	C
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ITEM/MANUFACTURER'S NAME		LOCATIO)N	SUST	HOU	JRS	A	RI	EACH D+	ŒD]	LEAD		Ε		MFG			TOTA AFTE					
Additional C-17 Aircraft / Boeing		LOCATIO	<i>)</i> 11		DAI		Λ		D⊤		1					PR	IOR	AF	ΓER	1	TIME	3		1 OCT					
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REMARKS																													
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Production Schedule Exhibit P-21, page 10 of 15

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Exhibit P-21, Production	Sched	dule																				D۵	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/C	CC/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lin	e Iter	m No	omen	clatu	ire					
Aircraft Procuremer	nt, Air	Force	. Budo	get Acti	ivit\	<i>,</i> 02	, Aiı	rlift	Ai	rcra	aft.	lter	n N	ο.	07			lc	-17	Ά(ΜY	′P)							
	s		ACCEP.	BALANCE				_		CAL Y	EAR 2	2007								`		SCAL '	YEAF	R 2008					L
PROCUREMENT YEAR	E	PROC.	PRIOR TO	DUE AS OF	0	2006 N	D	J	F	М	Α	CALE M	NDAF J	YEA	AR 200 A)7 S	0	N	D	T	F	CA M	ALEN A	DAR Y	YEAR T	2008 T	A	S	A T
PROCUREMENT TEAR	R V	QTY	1 OCT 2006	1 OCT 2006	C	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C	O V	E C	A N	E B	A R	P R	A Y	UN	U	U G	E P	E R
2005	USAF	8	8																			oxdot	oxdot	\perp					0
TOTAL		8	8	0	+	\sqcup				₩							┞				┞	₩	₩	₩	—	<u> </u>	╄	\sqcup	0
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				PRODUCTI	ON RA	TES			D	1					_	PROC	CURE		LEAI										
1				MIN	SHIF		M	1										MIN					T						
		L		SUST	HOU		A	RI	EACH								LEAD	TIME	Ξ		MFC	j		TOTA					
ITEM/MANUFACTURER'S NAME Additional C-17 Aircraft / Boeing		LOCATIO	<u>ON</u>		DAY	S	X		D+	—	1					DD	IOR	AF	EED	ł	TIM			AFTE 1 OC					
Additional C-17 Aircraft / Boeing					+	\dashv		ł									IOK ICT		CT					100	1				
								1			INIT	IAL				1	<i>J</i> C1	10	/C1				+			1			
								1			REO															1			
REMARKS																													

Production Schedule Exhibit P-21, page 11 of 15

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M) Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07 C-17A (MYP)

Weapon System C-17A

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	1	2	1	2	0	0	0		6
Proc	28.734	87.944	58.444	55.950	36.310				267.382

TRAINING SYSTEM DESCRIPTION

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

Aircrew Training System (ATS); (Quantity of 6 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 crewmember. 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 the components depends on the base or schoolhouse where they are located. The bases are Charleston AFB, Altus AFB, McChord AFB, Jackson ANGB, and Base X (To Be Determined).

Maintenance Training System (MTS):

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 MTS consists of two suites of eleven unique types of MTDs that represent various sections of the C-17 aircraft. One suite of MTDs resides at Charleston AFB and the other, when upgraded, at McChord AFB.

FY05 - FY07 training requirements have been budgeted in Modifications.

*FY00 Supplemental Bill Funding, \$14.9M for a Weapon System Trainer, is not included in FY00 Funding above. Appropriated in a special procurement appropriation, 3002, instead of 3010.

One FY03 Altus Aircrew Training Device is a Cargo Compartment Trainer (CCT).

P-1 Shopping List Item No. 07

Simulator and Training Device Justification (\$ M Exhibit P-43 p.1, page 12 of 15

Exhibit P-43 p.2, Sim	ulator and Tra	aining Device		Date	: June 2001					
Appropriation (Treasury) Co Aircraft Procuren				2, Airlift Ai	rcraft, Item	No. 07	•	e Item Nomenclatu A (MYP)	ure	
Weapon System C-17A	1									
Equipment Nomenclate	ure: Unit Trair	ning Device (UT	(D)							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2000	FY 2	2001	FY 2	2002
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
AIRCREW	Charleston AFB				1	11.900				
AIRCREW	Altus AFB		·							
AIRCREW	McChord AFB						1	13.000		
AIRCREW	Jackson ANGB						1	15.200		
AIRCREW	Base X		1						1	14.200
Concurrency and Software						16.834		59.744		44.244
<u>TOTAL</u>					1	28.734	2	87.944	1	58.444

P-1 Shopping List Item No. 07

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

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. 07

Date: June 2001

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.

The 1 Device (Hardware) identified in 'To Complete' is for a Cargo Compartment Trainer (CCT).

FINANCIAL PLAN	FY 2	2000	FY 2	2001	FY 2	2002	To Co	mplete	Total	Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Device (Hardware)	1	11.900	2	28.200	1	14.200	2	32.500	6	86.800
Concurrency Updates		7.334		13.944		15.800		27.900		64.978
Total Hardware Costs	1	19.234	2	42.144	1	30.000	2	60.400	6	151.778
Support Costs										
Trainer Spares		0.000		5.500		2.900		3.100		11.500
Total Support Costs		0.000		5.500		2.900		3.100		11.500
TOTAL COSTS	1	19.234	2	47.644	1	32.900	2	63.500	6	163.278

P-1 Shopping List Item No. 07

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

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 02, Airlift Aircraft, Item No. 07

Date: June 2001

P-1 Line Item Nomenclature

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.

FINANCIAL PLAN	FY 2	2000	FY 2	2001	FY	2002	To Co	nplete	Total	Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
Device (Hardware)										
Concurrency Updates		9.500		37.900		20.544		25.360		93.304
Total Hardware Costs		9.500		37.900		20.544		25.360		93.304
g										
Support Costs										
Support Equipment		0.000		0.000		2.500		1.000		3.500
Trainer Spares		0.000		2.400		2.500		2.400		7.300
Total Support Costs		0.000		2.400		5.000		3.400		10.800
TOTAL COSTS		9.500		40.300		25.544		28.760		104.104

P-1 Shopping List Item No. 07

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

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Exhibit P-40, Budget Item	t P-40, Budget Item Justification											ne 2001			
Appropriation (Treasury) Code/C0	C/BA/BSA/Ite	m Control Num	ber						P-1	Line Item No	menclature				
Aircraft Procurement	ircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 08											C-17 Advance Procurement			
Program Element for Code B Items: N/A Other Related Program Elements:										N/A					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	5	FY 2006	FY 2007	To Comp	Total		
Proc Qty	A														
Cost (\$ M)															
Interim Ctr Support (\$ M)															
Advance Proc Cost (\$ M)		2229.800	303.300	257.233	228.100	107.500	175.400						3301.333		
Weapon System Cost (\$ M)		2229.800	303.300	257.233	228.100	107.500	175.400						3301.333		
Initial Spares (\$ M)															
Total Proc Cost (\$ M)		2229.800	303.300	257.233	228.100	107.500	175.400						3301.333		
Flyaway Unit Cost (\$ M)															
Wpn Sys Unit Cost (\$ M)															

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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

The advance buy funds provided in line 4 will be used to secure lower costs for future procurement of C-17s via increased material purchases with sub-vendors and suppliers to keep C-17 production floor operating at an efficient/cost effective level.

FY 2002 Program Justification

FY02 advance procurement funding will provide for the CFE and GFE for nine of the twelve FY03 production aircraft. To ensure the original delivery schedule was unaffected, the Air Force obligated all of the appropriated FY00 advance buy funds to protect a 15-15-5 MYP buy profile (120 aircraft). Even though the FY01 President's Budget buy profile for MYP is 12-15-8 (FY01-03). By obligating funds for the advanced buy of 15 aircraft in FY00, the Air Force fully protects the vendor base and ensures no break in the original production delivery schedule.

P-1 Shopping List Item No. 08

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

Exhibit P-10 p.1, A (Page 1 - Funding)		ocurement	Requirem	ents Anal	ysis						Date: June	e 2001	
Appropriation (Treasury) Aircraft Procure				Activity ()2, Airlift	: Aircraft	, Item No	o. 08		ine Item Nom		urement	
Weapon System				-		First Syster	n Award Da	ate	•	First Syste	m Completi	on Date	
C-17AP						·	Jan			Aug-03			
					(5	in Million	s)			•	•	-	
			<u>Prior</u>										
<u>Description</u>	<u>PLT</u>	When Rad	<u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty			70	15	12	15	12	5	8				137
	_												
CFE			2051.400	277.500	221.100	202.400	94.600	154.800					3001.800
GFE			178.400	25.800	36.133	25.700	12.900	20.600					299.533
	1	T		·		ı		1		1			
EOQ													
Design													
Term Liability													
TOTAL AP			2229.800	303.300	257.233	228.100	107.500	175.400					3301.333
Description: The requirement for C FY02 advance procure unaffected, the Air Fo Budget buy profile for ensures no break in th The advanced buy fun keep C-17 production First System Award D	ement fundi orce obligate r MYP is 12 e original po nds provided floor opera	ng will provi ed all of the a 2-15-8 (FY01 roduction del I will be used ting at an eff	de for the C ppropriated -03). By ob- ivery sched I to secure le icient/cost e	CFE and GFI FY00 advant oligating funule. Dower costs for fective lever	or future problem. buy) contra	ds to protect dvanced buy ocurement of act obligation	t a 15-15-5 l y of 15 aircr f C-17s via n date.	MYP buy pr aft in FY00, increased m	ofile (120 and the Air Fo	aircraft), eve orce fully pro chases with	en though th otects the ve sub-vendors	e FY01 Pres ndor base an and supplie	ident's nd rs to
					P-1 Shop	ping List It	em No. 08		Adva	nce Procu	rement Re		ts Analysis
											Evhibit		- Funding) page 2 of 4
												r-ιυ μ.ι, <u>μ</u>	aye Z UI 4

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 08	P-1 Line Item Nomenclature C-17 Advance Procurement
Description Continued: First System Completion Date reflects the first aircraft delivery for Lot XIV (FY02 aircraft buy).	
P-1 Shopping List Item No. 08	Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 3 of 4

		UNCL	ASSIFIED				
Exhibit P-10 p.2, Advance Pro (Page 2 - Budget Justification		Analysis				Date: Ju	ne 2001
Appropriation (Treasury) Code/CC/BA/E	SSA/Item Control Number				P-1 Line	e Item Nomenclature	
Aircraft Procurement, Air	r Force, Budget Activ	vity 02, Airlift A	ircraft, Item No	. 08	C-17	Advance Pro	curement
Weapon System C-17AP							
		(TOA,	\$ in Millions)				
Description	PLT	<u>OPA</u>	Unit Cost	2002 OTY		2002 Contract Forecast Date	2002 Total Cost Request
End Item					15	Jan-02	171.900
CFE				1			212.300
GFE							15.800
EOQ							
Design Term Liability							
TOTAL AP							228.100
Description: FY02 QTY reflects the fully funder procurement funds for the remaining							·

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

Exhibit P-40, Budget Item	Justificat	tion			Date: Jun	e 2001							
Appropriation (Treasury) Code/CC	C/BA/BSA/Ite	m Control Num	ber					P-1	Line Item No	menclature			
Aircraft Procurement	, Air For	C-	17 ICS										
Program Element for Code B Items: N/A Other Related Program Elements:										N/A			
ID Code Prior Years FY 2000 FY 2001						FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
Proc Qty	A												
Cost (\$ M)				0.000					368.983			368.983	
Interim Ctr Support (\$ M)		307.000	396.600	411.293	463.633	444.316	308.197	328.160	368.983	355.697	1048.400	4432.279	
Advance Proc Cost (\$ M)													
Weapon System Cost (\$ M)		307.000	396.600	411.293	463.633	444.316	308.197	328.160	737.966	355.697	1048.400	4801.262	
Initial Spares (\$ M)													
Total Proc Cost (\$ M)		307.000	396.600	411.293	463.633	444.316	308.197	328.160	737.966	355.697	1048.400	4801.262	
Flyaway Unit Cost (\$ M)													
Wpn Sys Unit Cost (\$ M)													

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

Due to an administrative coding error, budget data above is incorrect. The correct FY01 and FY02 amounts are as follows: Interim Ctr Support (\$M), \$411.293 for FY01 and \$463.663 for FY02.

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

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

FY 2002 Program Justification

The FY02 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. 09

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

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Exhibit P-40, Budget Ite	m Justificat		Date: June 2001									
Appropriation (Treasury) Code/0	CC/BA/BSA/Iter	P-1	Line Item No	menclature								
Aircraft Procuremer	ircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10											
Program Element for Code l	B Items:	N/A			Other Relat	ted Program	Elements:		41132F			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	0	0	0		5							
Total Proc Cost (\$ M)												402,639

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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.

FY 2002 Program Justification

Logistics and training support for the EC-130J aircraft is included in the FY02 C-130J budget request.

P-1 Shopping List Item No. 10

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

Exhibit P-5, Weapon System Cost Analysis	3							Date: J	une 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	omenclature				
Aircraft Procurement, Air Force, Bu	dget Ad	ctivity 02	2, Airlift Ai	rcraft, Iter	m No. 10		EC-130J					
Manufacturer's Name/Plant City/State Location				Subline Item								
Lockheed Martin Aero-Marietta, Marietta GA				EC-130J (BP.	AC 10400E))						
Weapon System	Ident				Total Cost	t In Millions of Dollars						
Cost Elements	Code		FY 2000	FY 2001		FY 2002						
				Total			Total			Total		
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost		
Airframe	A	1		53.600	1		59.600					
Aircraft Conversion	A			25.434			15.750					
Avionics	A											
Armament	A											
Software	A											
Other Government Furnished Equipment (GFE)	A			1.165			0.760					
Engineering Change Orders (ECO)	A											
Nonrecurring Costs	A											
Other Costs	A											
FLYAWAY COST SUBTOTAL	A			80.199			76.110					
Airframe Peculiar Ground Support Equipment (PGSE)	A			2.026			3.099					
Engine PGSE	A						3.100					
Peculiar Training Equipment	A											
Publications/Technical Data	A											
ECOs	A											
ISS	A			4.750			5.432					
Other	A						1.436					
SUPPORT COST SUBTOTAL	A			6.776			13.067					
TOTAL PROGRAM				86.975			89.177					
Comments	•		•	-								
<u> </u>												
		1	P-1 Shopping	g List Item N	o. 10			Weapo	n System Co	st Analysis		
			11 \	-				-	Exhibit P-5,	-		

Exhibit P-5A, Procurement		•	_						Date: June	e 2001	
Appropriation (Treasury) Code/CC/ Aircraft Procurement,					A: ::	roroft Iton	m No. 10	P-1 Line Item N EC-130J	lomenclature		
·	AII F	orce, Bu	Jaget Acti	vity UZ,		•	n NO. 1U	EC-1303			
Weapon System					Subline Iter	m					
EC130J					<u> </u>					T-	1_
			Location of	RFP Issue		Contract		Awar		1	Date Revisions
WBS Cost Elements	Qty	Unit Cost		Date	Method	Туре	Contractor and Loca		Delivery	Now?	Available?
Lockheed Martin	1	48.700	WPAFB	May-95	C	FFP	Lockheed Martin	Dec	-97 Oct-99	Yes	
Aeronautical Systems							Aeronautical System Marietta GA	ns,			
Lockheed Martin	1	48.200	WPAFB	May-95	С	FFP	Lockheed Martin	Dec	-97 Dec-99	Yes	
Aeronautical Systems							Aeronautical System	ns,			
•							Marietta GA	ĺ			
Lockheed Martin	1	47.900	WPAFB	May-95	С	FFP	Lockheed Martin	Jul-	99 Jun-00	Yes	
Aeronautical Systems							Aeronautical System	ns,			
-							Marietta GA				
Lockheed Martin	1	53.620	WPAFB	May-95	С	FFP	Lockheed Martin	Mar	-00 Dec-01	Yes	
Aeronautical Systems							Aeronautical System	ns,			
			l	l		<u> </u>	Marietta GA	_	1	1	
Lockheed Martin	1	59.600	WPAFB	May-00	С	FFP	Lockheed Martin	Dec	-00 Nov-02	Yes	
Aero-Marietta							Aeronautical System	ns,			
							Marietta GA				
<u>Remarks</u>											
All EC-130J funding has been	congre	ssionally ad	lded. The airc	raft unit co	st, award da	te, and deliver	ry dates above are for the	he basic (pre-d	onversion) aire	eraft.	
Of the five aircraft appropriate	d to dat	e, three wil	l be delivered	in the Com	ımando Solo	o configuration	n and two in the Super.	J configuration	1.		
Lockheed Martin Aeronautical	Systen	ns became I	Lockheed Ma	rtin Aero-M	Iarietta in F	Y 00.					
				P-	1 Shopping	List Item No	o. 10	Р	rocurement	History and	d Planning
						•				ibit P-5A, p	7

Exhibit P-21, Production	Sched	lule																				Da	ate:	June	e 20	01			
Appropriation (Treasury) Code/C	., (),												P-	P-1 Line Item Nomenclature															
Aircraft Procuremen														C-1	30、	J													
	S		ACCEP.	BALANCE		2000			FISC	CAL Y	EAR 2		NID A I	NE A	D 200	11					FISC	CALY			TEAD :	2002			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	A 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	EAR: J U N	J U L	A U G	S E P	T E R
2000	USAF	1	0	1															1										0
TOTAL	USAF	1 2	0	1 2	\vdash			\vdash		\vdash	-	\vdash	\vdash		 	\vdash			1	\vdash			\vdash	_		\vdash	\vdash	\vdash	1
Tome					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	1
				PRODUCTION MIN	N RA SHIF		М									PROC	UREN ADI		LEAI	O TIM	Е								
ITEM/MANUFACTURER'S NAME		LOCATIO	ON	SUST	HOU: DAY		A X	RI	EACH D+	ED							LEAD	TIME	MFG MFG				TOTAL AFTER						
Lockheed Martin	ckheed Martin																												
											INIT															ļ			
REMARKS		1		1							REO	KDEK				<u> </u>													

'FY03-FY07 budget numbers do not reflect the DoD strategic review results.'

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 Oct 01. 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. 10

Production Schedule Exhibit P-21, page 4 of 5

UNCLASSIFIED																												
Exhibit P-21, Production	Sched	lule																			Da	ate: .	June	e 200	01			
Appropriation (Treasury) Code/0	CC/BA/BS	SA/Item C	ontrol Nur	mber													F	-1 Lir	ne Iter	m No	meno	clatur	е					
Aircraft Procuremer	nt, Air	Force	, Budg	get Acti	vity	02	, Air	·lift	Air	cra	ift, li	ten	n N	o. 1	10			EC-	130.	J								
	S		ACCEP.	BALANCE					FISCAL YEAR 2003 CALENDAR YEAR 2003							FISCAL YEAR 2004								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		ALEN M A Y	J U N	J U L	R 200 A U G	S E	O N C O		J A N	F E B	M A R	A A P R	M A Y	EAR 2 J U N	J U L	A U G	S E P	A T E R
2001	USAF	1	0			1																	\sqsubseteq	\square				0
TOTAL		1	0	1	0	1 N	D	J	F	M	A	M	J	J	Α	S) N	D	J	F	M	A	M	J	J	A	S	0
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ITEM/MANUFACTURER'S NAME		LOCATIO	ON		DAY	S	X		D+									т		MFG TIME	ME AF		AFTEI					
Lockheed Martin																PRIOI 1 OCT		FTER OCT				1	1 OCT	•				
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Production Schedule Exhibit P-21, page 5 of 5

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11	C-130J

Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		41132F					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total		
Proc Qty	A	2	0	2	2	2	4	6	12	12	TBD	TBD		
Cost (\$ M)		164.402	49.008	206.148	221.809	227.319	330.244	523.990	1000.281	1042.411	TBD	TBD		
Advance Proc Cost (\$ M)		0.000									TBD	TBD		
Weapon System Cost (\$ M)		164.402	49.008	206.148	221.809	227.319	330.244	523.990	1000.281	1042.411	TBD	TBD		
Initial Spares (\$ M)		70.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.169		
Total Proc Cost (\$ M)		234.571	49.008	206.148	221.809	227.319	330.244	523.990	1000.281	1042.411	TBD	TBD		
Flyaway Unit Cost (\$ M)		44.200	N/A	63.950	67.260	68.605	69.978	71.377	72.804	74.260	TBD	TBD		
Wpn Sys Unit Cost (\$ M)		82.201	N/A	103.074	110.905	113.660	82.561	87.332	83.357	86.868	TBD	TBD		

Description

'FY03-FY07 budget numbers do not reflect the DoD strategic review results.'

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 2002 Program Justification

The C-130J five year option contract, with sufficient funding, supports all initial spares needs as part of the Reengineered Supply Support Process (RSSP). This contract incorporates all supply support requirements, including all spare parts, determined by collected failure rates during an interim period. The contractor will provide all spare parts as a service under this contract to achieve an 86% mission capable rate. 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 2002 budget provides for two C-130s plus program management, logistics, and training support for the 34 Air Force-wide C-130J aircraft fleet. This includes 10 WC-130Js, 5 EC-130Js, and 19 C-130Js. Only the two FY96 C-130Js are included in the prior years column. Data for the WC-130Js and EC-130Js are provided in separate budget exhibits. Thirteen ANG C-130Js were procured via the Guard and Reserve Equipment Account (GREA) and are not included in the prior years column above.

Aircraft	Qty	FY	Comment
C-130J C-130J	2	94	AF swapped 2 FY93 C-130H3 with ANG for these aircraft. Aircraft now in AFRC. (Funded in the GREA)
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 GREA)
WC-130J	4	97	AFRC (One was an active duty C-130J redesignated as a WC-130J, provided to AFRC, and is included in

P-1 Shopping List Item No. 11

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

Exhibit P-40	, Budge	t Item Ju	stification	Date: June 2001
			N/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft P	rocure	ment, A	Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11	C-130J
FY 2002 Pro	gram Jus	tification	Continued	
	_		Prior Years column on the WC-130J P-40)	
EC-130J	1	97	ANG	
C-130J	4	98	ANG (Funded in the GREA)	
WC-130J	2	98	AFRC	
EC-130J	1	98	ANG	
C-130J-30	3	99	ANG (Funded in the GREA)	
WC-130J	1	99	AFRC	
EC-130J	1	99	ANG	
EC-130J	1	00	ANG	
C-130J-30	2	01	ANG Congressional directon to base aircraft at a western states firefighting AN	G unit (Channel Islands CA)
EC-130J	1	01	ANG	
C-130J-30	2	02	AFRC, ANG	
TOTAL	34			

Budget Item Justification Exhibit P-40, page 2 of 14

Exhibit P-5, Weapon System Cost Analysi	S							Date: Ju	ne 2001					
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro	l Number						P-1 Line Item N	omenclature						
Aircraft Procurement, Air Force, Bu	udget Ad	ctivity 0	2, Airlift Ai	rcraft, Ite	m No. 11		C-130J							
Manufacturer's Name/Plant City/State Location		-		Subline Item										
Lockheed Martin Aero-Marietta				C-130J (BPAC 10400C)										
Weapon System	Ident				Total Cos	t In Millions	ns of Dollars							
Cost Elements	Code		FY 2000			FY 2001			FY 2002					
				Total			Total			Total				
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost				
Airframe	A			0.000	2		125.600	2		133.000				
Avionics	A													
Armament	A													
Software	A													
Other Government Furnished Equipment (GFE)	A						1.490			1.520				
Engineering Change Orders (ECO)	A													
Nonrecurring Costs	A													
Other Costs	A													
FLYAWAY COST SUBTOTAL	A			0.000			127.090			134.520				
Airframe Peculiar Ground Support Equipment	A						0.498			1.912				
(PGSE)														
Engine PGSE	A													
Peculiar Training Equipment	A			12.900	2		29.367	1		13.636				
Publications/Technical Data	A			1.600			0.509			0.992				
ECOs	A													
ICS	A			3.025			4.685			7.157				
ISS	A			22.967			34.263			47.751				
Data	A			2.023			1.206			2.701				
Post Delivery Support	A						0.732			5.440				
Other	A			6.493			7.056			7.700				
SUPPORT COST SUBTOTAL	A			49.008			78.316			87.289				

P-1 Shopping List Item No. 11

Weapon System Cost Analysis Exhibit P-5, page 3 of 14

Exhibit P-5, Weapon System Cost Analysis				Date: Ju	ne 2001				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number					P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 02	, Airlift Ai	rcraft, Item No	. 11	C-130J			
TOTAL PROGRAM				49.008		205.406			221.809
Comments									
Comments Effective 1 Oct 99, initial spares requirements mis	grate to In	terim Supply	Support (ISS	S) under the Reening	eered Supply Su	port Process (RSSP) umbr	ella in BP10.	
		11 7	11 \	, ,	11 7	.1	,		
Note: FY01 total program figure (\$205.406M) re	flects bud	get authority	released to th	ne program for execu	tion.				
		F	P-1 Shoppin	g List Item No. 11			Weapon	System Cos	t Analysis
		•	. copp	g =.0			-	hibit P-5, pa	

Exhibit P-5A, Procuremen	t Histo	ry and Pla	anning						Γ	Date: June	2001	
Appropriation (Treasury) Code/CC Aircraft Procurement				ivity 02,	Airlift Ai	rcraft, Iten	n No. 11	P-1 Line C-130	Item Nomei	nclature		
Weapon System					Subline Iter	m						
C-130J												
WBS Cost Elements	Otri	Unit Cost	Location of	RFP Issue	Contract Method	Contract	Contractor and Loca		Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	Qty 2		WPAFB		C	Type FFP	Lockheed Martin Aeronautical System Marietta, GA		Nov-96	Jan-99	Yes	Available
Lockheed Martin Aeronautical Systems	2	62.800	WPAFB	May-00	С	FFP	Lockheed Martin Aero-Marietta, Mari GA	etta	Dec-00	Apr-02	Yes	
Lockheed Martin Aeronautical Systems	2	66.500	WPAFB	May-00	С	FFP	Lockheed Martin Aero-Marietta, Mari GA	etta			Yes	

Remarks

Air Vehicle:

- a. Two FY96 aircraft were the initial cadre of aircraft procured under the Five Year Option Contract (FYOC). The engines are being provided as Contractor Furnished Equipment (CFE) and are included in the air vehicle price.
- b. New Five Year Option Contract 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.

FY QTY 02 2 03 2 04 4

P-1 Shopping List Item No. 11

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

ppropriation (Treas	sury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
ircraft Prod	curement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11	C-130J
emarks Contin	nued	
05	6	
06	12	
07	12	
	P-1 Shopping List Item No. 11	Procurement History and Plannir
	· · · · · · · · · · · · · · · · · · ·	Exhibit P-5A, page 6 of 1

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Exhibit P-21, Production	Sched	dule																				Da	ate: 、	June	e 20	01			
Appropriation (Treasury) Code/0	CC/BA/BS	SA/Item C	ontrol Nui	mber														P-	1 Lin	e Iter	n No	meno	clatur	е					
Aircraft Procuremer	nt, Air	Force	, Budg	get Acti	vity	/ 02	, Ai	rlift	Ai	rcra	aft,	lter	n N	ο.	11			C	-13	0J									
	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	NDAF J U N	J U L	AR 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	ALENE A P R	M A Y	EAR 2 J U N	J U L	A U G	S E P	A T E R
1996	USAF	2	2																										0
2001	USAF	2	0			<u> </u>		<u> </u>															1	1	Ш'	igsquare	igsqcup		0
2002	USAF	2	0			<u> </u>		₩		<u> </u>		<u> </u>											└	└	igspace	igspace	igspace		2
2003	USAF	2	0		_	┝		₩		┝	<u> </u>	<u> </u>		<u> </u>		-	-						 -	₩	igwdapsilon	$\vdash\vdash$	$\vdash\vdash$	\rightarrow	2
2004 2005	USAF USAF	4 6	0		_	\vdash		\vdash		\vdash	-	\vdash		_		_	_						 	-	$\vdash \vdash$	$\vdash\vdash\vdash$	$\vdash\vdash$	-+	4
2005	USAF	12	0			\vdash		\vdash		\vdash	 	\vdash		_		 	 						 	\vdash	$\vdash \vdash$	$\vdash\vdash$	$\vdash \vdash$	\dashv	6 12
2007	USAF	12	0			H		+		-		\vdash					_						\vdash	┢	\vdash	Н	\vdash	-	12
TOTAL	USAI	42	2					 		 		 											\vdash_{T}	1	\vdash	Н	\vdash		38
TOTAL		42		40	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	36
ITEM/MANUFACTURER'S NAME Lockheed Martin - Aero		LOCATIO Marietta, O 30063-029	БА	PRODUCTION MIN SUST	SHIF HOU DAY	T IRS	M A X 25	RI	EACH D+	ED						PR	ADI LEAD IOR OCT	MIN	E		MFG TIME		1	FOTAI AFTEI 1 OCT	R				
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REMARKS											REO	RDER											Щ			Щ_			
'FY03-FY07 budget numbers do not refl The production lead time will shift from		_			oroduc	tion ra	te incre	ases. T	Γhe 24	- montl	h lead	time v	vill be	reduce	ed soon	ner if I	Lockhe	eed's m	arketi	ng effo	orts re	sult in	increa	ised fo	reign (or othe	er C-13	80J sale	s.

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Exhibit P-21, Production	on Sched	dule																				Da	ate:	June	e 20	01			
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Aircraft Procureme					vitv	<i>i</i> 02	. Aiı	rlift	Δi	rcra	aft.	lter	n N	lo.	11				-13										
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	S E	PROC.	PRIOR	DUE		2002			TIBC	J. 11.			ENDAI	R YE	AR 200	03					110				YEAR :	2004			A
PROCUREMENT YEAR	R V	QTY	TO 1 OCT 2002	AS OF 1 OCT 2002	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		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
2002	USAF	2	0																2										0
2003	USAF	2	0		_												Ь_					₩.			Ь		<u> </u>		2
2004	USAF	4	0	 	_												_				_	╙	<u> </u>		Ь	└	<u> </u>		4
2005	USAF	6	0					<u> </u>					<u> </u>		<u> </u>	_	—				_	₩	₩		—	<u> </u>	└		6
2006	USAF	12	0		_			_	_	-	-	_	_			_	₩	_	-		<u> </u>	₩	₩	_	—	—	—		12
2007	USAF	12	0			_		-	-	-	+	_	-		-	₩	₩	-	<u> </u>	-	├	₩	+-		—	—			12
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				PRODUCTION	ON RA	ATES										PRO	CURE	MENT	LEA	D TIM	Œ								
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ITEM/MANUFACTURER'S NAME Lockheed Martin - Aero		LOCATIO	ON		DAY	'S	X	_	D+		4										TIME			AFTE					
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Production Schedule Exhibit P-21, page 8 of 14

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Exhibit P-21, Production	n Sched	dule																				D	ate:	Jun	e 20	01			
Appropriation (Treasury) Code	/CC/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lin	ne Ite	m No	omer	clatu	re					
Aircraft Procureme	nt, Air	Force	, Budg	get Acti	vity	y 02	, Air	rlift	Aiı	rcra	aft,	lter	n N	lo.	11			Ic	-13	80J									
	s		ACCEP.	BALANCE							EAR 2	2005											YEAR						L
PROCUREMENT YEAR	E R V	PROC. QTY	PRIOR TO 1 OCT 2004	DUE AS OF 1 OCT 2004	O C T	2004 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	NDAI J U N	J U L	AR 200 A U G	05 S E P	O C T	N O V	D E C	J A N	F E B	M A R	1	M A Y	YEAR J U N	J U L	A U G	S E P	A T E R
2003	USAF	2	0				2																						0
2004	USAF	4	0			+		┝	<u> </u>	-	-		<u> </u>	-	\vdash	-	-	2	2	₩	\vdash	+	+	-	₩	\vdash	┝	-	0
2005	USAF USAF	6 12	0			\vdash		┢			1		<u> </u>		\vdash		-			1	\vdash	+	+	\vdash		\vdash	-		6 12
2007	USAF	12	0		_																t		1						12
TOTAL		36	0	36			2											2	2										30
					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	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	A U G	S E P	
ITEM/MANUFACTURER'S NAME Lockheed Martin - Aero REMARKS		LOCATIO	ON	PRODUCTION MIN SUST	ON RA SHII HOU DAY	FT JRS	M A X	RI	EACH D+	ED	INIT REO					PR	AD	MIN TIMI AF		DTIM	MFC TIMI			TOTA AFTE 1 OC	R	-			

Production Schedule Exhibit P-21, page 9 of 14

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Exhibit P-21, Production	n Sched	lule																				Da	ate:	June	e 20	01			
Appropriation (Treasury) Code/0	CC/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lin	e Iter	n No	meno	clatur	e					
Aircraft Procuremer	nt, Air	Force	, Bud	get Acti	vity	<i>/</i> 02	, Ai	rlift	Ai	rcra	aft,	lter	n N	lo.	11			C	-13	OJ									
	S		ACCEP.	BALANCE		2006		_	FISC	CAL Y			1 TO 1 I	D. T.TE.	D 200	\ -					FIS		YEAR			2000			L
PROCUREMENT YEAR	E R V	PROC. QTY	PRIOR TO 1 OCT 2006	DUE AS OF 1 OCT 2006	O C T	2006 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	AR 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	ALENL A P R	M A Y	YEAR J U N	J U L	A U G	S E P	A T E R
2004	USAF	4	4																										0
2005	USAF	6	0			3	3																	$ldsymbol{oxed}$	$ldsymbol{oxed}$	$ldsymbol{oxed}$		\Box	0
2006	USAF	12	0		-			┝	<u> </u>				3	3	3	3	₩					⊢	⊢—'	₩	⊢	⊢	-		0
Z007 TOTAL	USAF	12 34	0 4			3	3	-	<u> </u>				3	3	3	2	-					—	├─-	├─	3	3	3	3	0
IOTAL		34	4	30	0	N N	<u>5</u>	T .	F	M	Α	M	J	J	A	S	0	N	D	Ţ	F	М	A	М	1 3	1 3	A	S	0
					C	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C	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										PROG	CURE	MENT	LEA	D TIM	E								
ITEM/MANUFACTURER'S NAME		LOCATIO)N	MIN SUST	SHIF HOU DAY	RS	M A X	RI	EACH D+	ED							AD LEAD	MIN TIME	3		MFG			TOTA AFTE					
Lockheed Martin - Aero		Locatio) <u> </u>		D.111		- 11	\vdash	D,		1					PR	IOR	AF	ΓER	1	TIME			1 OCT					
								1								1 (OCT		СТ										
]			INIT												$oxed{oxed}$]			
											REO	RDER											Щ			Ь			
REMARKS																													-
																													-

Production Schedule Exhibit P-21, page 10 of 14

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. 11 Date: June 2001 P-1 Line Item Nomenclature C-130J

Weapon System C-130J

Equipment Nomenclature: Unit Training Device (UTD)

	C 1110 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	701100 (0 12)							
Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	0	2	1	1	2	3	2	2	13
Proc	12.900	29.367	13.636	13.885	32.770	38.220	32.430	22.030	195.238

TRAINING SYSTEM DESCRIPTION

'FY03-FY07 budget numbers do not reflect the DoD strategic review results.'

The C-130J Maintenance and Aircrew Training System (JMATS) includes maintenance and aircrew training devices, aircrew courseware and instrucution, 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 Fuselage Trainer

FY03 - 1 Cockpit Procedures Trainer

FY04 - 1 Weapons System Trainer, 1 Engine/Propeller Maintenance Trainer, 1 Integrated Cockpit System Maintenance Trainer (not funded)

FY05 - 1 Engine/Propeller Maintenance Trainer, 1 Fuselage Maintenance Trainer, 1 Flight Control Maintenance Trainer, 1 Landing Gear Trainer (not funded)

FY06 - 1 Weapon System Trainer, 1 Cockpit Procedures Trainer

FY07 - 1 Integrated Cockpit Maintenance Trainer, 1 Flight Control Maintenance Trainer

P-1 Shopping List Item No. 11

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

Exhibit P-43 p.2, Sin	nulator and Tra	ining Device		Date	: June 2001										
Appropriation (Treasury) C	ode/CC/BA/BSA/Ite	m Control Numbe	er				P-1 Line	e Item Nomenclat	ure						
Aircraft Procurer	ment, Air Fo	rce, Budge	t Activity 0	2, Airlift Ai	rcraft, Item	1 No. 11	C-13	0J							
Weapon System C-130	0J														
Equipment Nomencla	uipment Nomenclature: Unit Training Device (UTD)														
IOC Date															
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2000	FY 2	2001	FY 2	2002					
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	Aug-03	Jan-04	40			2	25.472							
AIRCREW	LRAFB, AR	Dec-03	Mar-04	40					1	12.000					
TOTAL							2	25.472	1	12.000					

P-1 Shopping List Item No. 11

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

Exhibit P-43 p.3, Simulator	r and Trainin	g Device Jus	tification (\$	M)				Date: .	June 2001	
Appropriation (Treasury) Code/CC/	/BA/BSA/Item Cor	ntrol Number					P-1 Line Ite	em Nomenclatur	е	
Aircraft Procurement,	Air Force,	Budget Ac	tivity 02, A	Airlift Aircr	aft, Item N	lo. 11	C-130J			
Weapon System C-130J										
Equipment Nomenclature: A	ircrew Traine	rs								
Description:										
The first Weapons System Trai						Ū			g Unit is estab	lished at
FINANCIAL PLAN	FY 2	2000	FY 2	2001	FY 2	2002	To Con	nplete	Total	Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
WST			1	18.441			TBD	TBD	TBD	TBD
Avionics Sys Trainer			1	7.031						
Fuselage Trainer					1	12.000				
Total Hardware Costs			2	25.472	1	12.000	0	0.000	0	0.000
Support Costs										
Aircrew Courseware		8.220					TBD	TBD	TBD	TBD
Currency Mgt		0.630		0.521		0.450				
Other		4.050		3.374		1.186				
Total Support Costs		12.900		3.895		1.636	0	0.000	0	0.000
							TBD	TBD	TBD	TBD
TOTAL COSTS		12.900	2	29.367	1	13.636	0	0.000	0	0.000

P-1 Shopping List Item No. 11

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

Exhibit P-43 p.4, Simulator	and Trainin	g Device Jus	tification (\$	M)				Date: \	June 2001	
Appropriation (Treasury) Code/CC/B Aircraft Procurement, A			ctivity 02,	Airlift Airc	raft, Item I	 No. 11	P-1 Line C-130	Item Nomenclature	Э	
Weapon System C-130J							•			
Equipment Nomenclature: Ma	aintenance									
Description:										
Maintenance training device acc	quisition begin	ns in FY04.								
FINANCIAL PLAN	FY '	2000	FY	2001	FY	2002	To Co	omplete	Total	l Costs
FINANCIAL FLAIN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		Τ						TBD		TBD
Total Hardware Costs								0.000		0.000
Support Costs										
		T				T		TBD		TBD
Total Support Costs								0.000		0.000
	<u> </u>	<u> </u>		<u> </u>		Τ		TBD		TBD
TOTAL COSTS		Τ'						0.000		0.000
		•	,		<u> </u>					

P-1 Shopping List Item No. 11

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

Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001	
Appropriation (Treasury) Code/CC	C/BA/BSA/Iten	n Control Numl	oer					P-1	Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budge	et Activit	y 02, Air	lift Aircra	aft, Item I	No. N/A	W	C-130J			
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		41132F			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	10	0	0	0	0	0	0	0	0	0	10
Total Proc Cost (\$ M)		557.162	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000		557.162

Description

The WC-130J is the weather reconnaissance version of the C-130J. It provides immediate response for observation and reporting of severe weather conditions (hurricanes) for transmission to the National Oceanographic and Atmospheric Administration (NOAA). The WC-130s routinely fly 10- to 12-hour missions originating from Keesler AFB, MS. Ten WC-130Js will replace ten Keesler AFB (AFRC) WC-130Hs.

Lockheed Martin Aeronautical Systems built the basic C-130J platform and, under a separate contract, converted the aircraft into the WC-130J Weatherbird configuration.

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

One C-130J in FY97 was procured and transferred to the WC-130J mission.

FY 2002 Program Justification

The tenth and final WC-130J was funded in FY99.

Four aircraft have been delivered to the USAF and are being used in flight test. Delivery of the remaining six aircraft is on hold pending the release of the block 5.3 software for fleet installation in FY02 and successful radar testing during the CY01 hurricane season.

Logistics and training support for the WC-130J aircraft is included in the FY02 C-130J budget request.

P-1 Shopping List Item No. N/A

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

Exhibit P-5, Weapon System Cost Analysis	5							Date: Ju	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	Nomenclature		
Aircraft Procurement, Air Force, Bu	idget Ad	ctivity 0	2, Airlift Ai	rcraft, Ite	m No. N	/A	WC-130J			
Manufacturer's Name/Plant City/State Location				Subline Item	1					
Lockheed Martin Aeronautical Systems/Marietta/	Georgia			WC-130J (B	PAC 10400	(W)				
Weapon System	Ident		•	,	Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A									
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
ICS	A									
ISS	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
MODs	A									
Initial Spares	A									
TOTAL PROGRAM										
Comments										
Logistics and training support for the WC-130J ai	rcraft is ind	cluded in th	ne FY02 C-130	I hudget rea	nest					
Logistics and duming support for the We 1308 th	iciait is iii	eraded iii ti	102 € 130	s ouaget req	dest.					
		F	P-1 Shopping	List Item N	o. N/A			Weapor	n System Co	st Analysis
									Exhibit P-5,	page 2 of 4

Exhibit P-5A, Procuremen									Γ	Date: June	2001	
Appropriation (Treasury) Code/CC/ Aircraft Procurement,				ivity 02,	Airlift Ai	rcraft, Iter	n No. N/A	P-1 Line WC-1	e Item Nomei 130J	nclature		
Weapon System					Subline Iter	em						!
WC130J												
WBS Cost Elements	Qty	Unit Cost			e Contract Method	Contract Type	Contractor and Loca	etion	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Lockheed Martin Aeronautical Systems	3		WPAFB			FFP	Lockheed Martin Aeronautical Systen Marietta GA		Aug-97	Oct-99	Yes	Avanaore.
Lockheed Martin Aeronautical Systems	1		WPAFB		С	FFP	Lockheed Martin Aeronautical Systen Marietta GA	ns,	Aug-97	Nov-99	Yes	
Lockheed Martin Aeronautical Systems	3		WPAFB		С	FFP	Lockheed Martin Aeronautical Systen Marietta GA	ns,	Aug-97	Oct-99	Yes	
Lockheed Martin Aeronautical Systems	2	48.200	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical Systen Marietta GA	ns,	Dec-97	Dec-99	Yes	
Lockheed Martin Aeronautical Systems	1	50.000	WPAFB	May-95	С	FFP	Lockheed Martin Aeronautical Systen Marietta GA	ns ,	Jul-99	Dec-00	Yes	
Remarks					<u> </u>							
One WC-130J was procured w	with FY?	97 <u>C-130J</u> /	Air Force fund	ds and was t	transferred t	o AFRC for th	ne weather reconnaisan	ce misic	on			
				P.	-1 Shoppin	g List Item No	o. N/A		Proc	urement F	listory and	d Plannin

Exhibit P-5A, page 3 of 4

								ι	JNC	CLA	SS	IFIE	ED																	
Exhibit	P-21, Production	Sched	lule																				Da	ıte: 、	June	200	01			
Appropria	ation (Treasury) Code/Co	C/BA/BS	A/Item C	ontrol Nur	mber														P-	1 Line	e Iten	n No	menc	latur	е					
Aircra	ft Procurement	t, Air	Force	, Budg	get Acti	vity	02	, Aiı	rlift	Air	cra	aft,	lter	n N	o. I	N/A	١		W	'C-	130	J								
	OCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	O C T	2000 N O V	D E C	J A N	FISC F E B	M A R	EAR 2 A P R		NDAF J U N	YEA J U L	R 200 A U G	S E P	O C T	N O V	D E C	J A N	FISO F E B	CAL Y CA M A R		2002 DAR Y M A Y	EAR 2 J U N	2002 J U L	A U G	S E P	L A T E R
1996		USAF	3	1	2		Ш		┝												1	1			igwdown	\longrightarrow	igwdown	\longrightarrow		0
1997 1998		USAF USAF	4	2	2		Н		\vdash	\vdash		\vdash		\vdash		\vdash		_	-+		\vdash		1	1	\vdash	\longrightarrow	\vdash	\rightarrow	\dashv	0
1998		USAF	1	0	1		H		\vdash																		\vdash	\dashv	_	0
TOTAL		CDIN	10	4	6																1	1	1	1	1	1	\Box			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	
	NUFACTURER'S NAME		LOCATIC	DN	SUST	N RA SHIF HOU DAY	T RS	M A X	RI	EACH D+	ED							ADI LEAD	MIN TIME			E MFG TIME			ΓΟΤΑΙ AFTER					
Lockheed N	Martin Aero-Marietta		Marietta G	iΑ													PRI 1 C	OR OCT	AF1 1 O			TIVIL			1 OCT					
									-			INITI															l			
REMARKS	7											REO	RDER																	
	the remaining six aircraft is o	n hold nen	ding success	eful radar tes	eting during the	CVO	1 hurri	cane se	ason																—	—		—		

Production Schedule Exhibit P-21, page 4 of 4

FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 03 – TRAINER AIRCRAFT JUNE 2001

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Exhibit P-40, Budget Item	Justifica	tion								Date: Jun	e 2001	
Appropriation (Treasury) Code/C0	C/BA/BSA/Ite	m Control Num	ber					P-1	Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budg	et Activit	ty 03, Tra	iner Airc	raft, Iten	1 No. 12	Jo	int Prima	ary Aircr	aft Traini	ng
						•		Sy	stem (JF	PATS)		
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		64233F (RI	OT&E)		
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	68	29	34	48	40	42	42	44	50	57	454
Cost (\$ M)		338.100	107.386	131.512	228.409	202.356	218.894	227.690	253.796	254.595	336.200	2298.938
Advance Proc Cost (\$ M)		0.000									0.000	0.000
Weapon System Cost (\$ M)		338.100	107.386	131.512	228.409	202.356	218.894	227.690	253.796	254.595	336.200	2298.938
Initial Spares (\$ M)		0.000	0.000	0.000	0.000	61.357	23.830	24.582	25.464	26.303	30.500	192.036
Total Proc Cost (\$ M)		338.100	107.386	131.512	228.409	263.713	242.724	252.272	279.260	280.898	366.700	2490.974
Flyaway Unit Cost (\$ M)		3.515	2.514	2.621	4.229	4.428	4.550	4.676	4.766	4.772	4.770	4.160
Wnn Sys Unit Cost (\$ M)		4 972	3 703	3 868	4 759	6 593	5 779	6 006	6 347	5 618	6 433	5 487

Description

Note: FY03-FY07 budget numbers do not reflect the DoD strategic review results.

Supports Air Education and Training Command's (AETC) implementation of Specialized Undergraduate Pilot Training (SUPT) and the Department of Defense initiative for joint pilot training. The Joint Primary Aircraft Training System (JPATS) is a joint USAF/USN venture to replace the Services' fleets of primary trainer aircraft (T-37/T-34 respectively) and associated Ground Based Training Systems (GBTS). The USAF's T-37 aircraft average over 35 years of age. They have an antiquated suite of increasingly unsupportable and non-representative avionics, as well as underpowered and fuel inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The USAF is the Executive Service for JPATS.

Note: Due to an administrative coding error, \$0.200M of modification funding is erroneously reflected on the Cost line in FY02.

FY 2002 Program Justification

Will procure 48 aircraft and associated support with FY 2002 funds. Aircraft are required to continue training at Randolph AFB, Moody AFB, and Laughlin AFB and start training at Vance AFB. Engineering Change Order (ECO) funding will be used to cover 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 contribute funding in FY2003.

P-1 Shopping List Item No. 12

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

			UNCLA	499ILIED						
Exhibit P-5, Weapon System Cost Anal	ysis							Date: Ju	ne 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Col	ntrol Number						P-1 Line Item No	omenclature		
Aircraft Procurement, Air Force,	Budget Ac	ctivity 03	, Trainer /	Aircraft, It	em No. 1	2	Joint Prim	nary Airc	raft Traini	ng
, , , , , , , , , , , , , , , , , , ,							System (J	-		
Manufacturer's Name/Plant City/State Location	on		(Subline Item						
Raytheon Aircraft Company/Wichita/Kansas										
Weapon System	Ident				Total Cost	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
		!		Total			Total			Total
	\longrightarrow	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A	29	2.514	72.906	34	2.622		48	4.229	202.992
FLYAWAY COST SUBTOTAL	A			72.906			89.148			202.992
	\longrightarrow					<u> </u>	ļ		<u> </u>	
Other	A			12.080		<u> </u>	16.364		<u> </u>	6.817
SUPPORT COST SUBTOTAL	A			12.080			16.364			6.817
	\longrightarrow		-	22.400		<u> </u>	26,000		 	10.400
Ground Based Training System	A	'	+	22.400		<u> </u>	26.000		 	18.400
Initial Spares	A			\longrightarrow			╀		-	
TOTAL PROGRAM	+			107.386			131.512			228.209
<u>Comments</u>										
'Other' includes air vehicle support, contractor	r logistics supp	ort, and mis	sion support.							
••		· · · · · · · · · · · · · · · · · · ·								

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

Exhibit P-5A, Procureme	ent Histo	ry and Pl	anning							Date: June	2001	
Appropriation (Treasury) Code/C Aircraft Procuremer				ivity 03,	Trainer /	Aircraft, Ite	em No. 12		Primar	y Aircra	ft Trainir	ng
Weapon System					Subline Ite	m		Systen	n (JPA	(13)		
T-6					Buomic ne							
WBS Cost Elements	Qty	Unit Cost		RFP Issue	Contract Method	Contract Type	Contractor and Loca		ward ate	Date of First Delivery	Specs Available Now?	Date Revisions Available?
Air Vehicle FY95	3		ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft C Wichita, Kansas		Feb-96	Feb-00	Yes	
Air Vehicle FY96	6	5.600	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft C Wichita, Kansas	Co S	Sep-96	Jun-00	Yes	
Air Vehicle FY97	15	4.000	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	Co .	Apr-97	Aug-00	Yes	
Air Vehicle FY98	22	3.200	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	Co l	Feb-98	Dec-00	Yes	
Air Vehicle FY99	22	2.900	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft C Wichita, Kansas	Co M	May-99	Aug-01	Yes	
Air Vehicle FY00	29	2.590	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co .	Jun-00	May-02	Yes	
Air Vehicle FY01	34	2.629	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co 1	Feb-01	May-03	Yes	
Air Vehicle FY02	48	4.463	ASC/YT WPAFB OH	May-01	C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Со		May-04	Yes	
Air Vehicle FY03	40	4.618	ASC/YT WPAFB		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Со		Jun-05	Yes	

P-1 Shopping List Item No. 12

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

Exhibit P-5A, Procureme	ent Histo	ry and Pl	anning							Date: June	2001	
Appropriation (Treasury) Code/0	CC/BA/BSA	/Item Contro	l Number					P-1 Lin	e Item Nom	enclature		
Aircraft Procuremen	nt, Air F	orce, B	udget Acti	ivity 03,	Trainer A	Aircraft, It	em No. 12	Join	t Prima	ry Aircra	ft Trainiı	ng
								Syst	em (JP	ATS)		
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	PCO	Date	Method	Type	Contractor and Loca	ation	Date	Delivery	Now?	Available
			ОН									
Air Vehicle FY04	42	4.764	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co		May-06	Yes	
Air Vehicle FY05	42	4.898	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co		Apr-07	Yes	
Air Vehicle FY06	44	5.018	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co		Mar-08	Yes	
Air Vehicle FY07	50	5.088	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co		Feb-09	Yes	
Air Vehicle FY08	57	5.242	ASC/YT WPAFB OH		C/FPO	FFP	Raytheon Aircraft C Wichita, Kansas	Co		Mar-10	Yes	

Remarks

In constant dollars, the T-6A unit cost decreases from FY 1995 through FY 2001 (the term of the current contract), then increases 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, decrease in Navy quantities, increased cost of materials, and a lower volume of foreign sales than was originally forecast. The follow-on contract will be in accordance with FAR Part 12 and incorporate commercial payments.

P-1 Shopping List Item No. 12

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

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Exhibit P-21, Production	Sched	lule																				Da	ate: 、	June	200	01			
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P-1 Shopping List Item No. 12

Production Schedule Exhibit P-21, page 5 of 14

Exhibit P-21, Production	Sched	lule																				Da	ate: .	June	200	01	raining 004 J A S U U E L G P		
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P-1 Shopping List Item No. 12

Production Schedule Exhibit P-21, page 6 of 14

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P-1 Shopping List Item No. 12

Production Schedule Exhibit P-21, page 7 of 14

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Production Schedule Exhibit P-21, page 8 of 14

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Exhibit P-21, Productio	n Sched	dule																				D	ate:	Jun	e 20)01			
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Production Schedule Exhibit P-21, page 9 of 14

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P-1 Shopping List Item No. 12

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Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
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. 12	Joint Primary Aircraft Training
	System (JPATS)

Weapon System T-6

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	13	6	6	9	8	13	5	12	72
Proc	22.400	26.000	18.400	20.900	15.670	21.900	18.400	23.900	167.570
RDT&E	32.942	18.288							51.230
O&S	0.000	2.816	12.100	11.466	12.039	13.273	15.366	18.677	85.737

TRAINING SYSTEM DESCRIPTION

Note: FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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

P-1 Shopping List Item No. 12

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

Exhibit P-43 p.2, Sir	nulator and Tr		Date: June 2001								
Appropriation (Treasury) C Aircraft Procure		Joint	P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)								
Weapon System T-6											
Equipment Nomencla	ture: Unit Trai	ning Device (UT	Γ D)								
IOC Date											
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	000	FY 2	2001	FY 2002		
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST	
OFT	Various				3	8.317	2	5.648	2	5.744	
IFT	Various				2	2.898	3	3.194	3	3.428	
UTD	Various				3	6.756					
EST	Various				1	0.103					
EPT	Various				1	0.354					
PPT	Various										
TIMS	Various						1	11.305	1	6.864	
CBTS	Various				3	2.004					
TOTAL					13	20.432	6	20.147	6	16.036	

P-1 Shopping List Item No. 12

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

nd Training	Device Just	ification (\$ N	// \				D-1- I	0004	
		(+ -	n)				Date: J	une 2001	
./BSA/Item Cont	rol Number					P-1 Line Ite	em Nomenclature		
ir Force, F	Budget Ac	tivity 03, T	rainer Airo	craft, Item	No. 12	Joint P	rimary Airo	craft Train	ing
-		-		Ū					
						1-,	. (,		
erew Trainers	S								
nal Flight Tra	iners (OFT), I	nstrument Flig	ht Trainers (IF	T), and Unit	Гraining Device	s (UTD).			
FY 20	000	FY 2	001	002	To Con	nplete	Total (Costs	
QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
3	8.317	2	5.648	2	5.744	13	39.617	22	65.114
2	2.898	3	3.194	3	3.428	18	32.807	27	47.060
3	6.756					11	14.444	19	23.361
1	0.103					3	0.542	5	0.810
1	0.354					3	1.208	5	1.933
3	2.004							3	2.004
		1	11.305	1	6.864			5	46.400
13	20.432	6	20.147	6	16.036	48	88.618	86	186.682
	1.968		5.753		2.364		10.933		21.018
	1.968		5.753		2.364		10.933		21.018
	Т	1	Т			Г		Г	
13	22,400	6	25.900	6	18.400	48	99,551	86	207.700
c	crew Trainers onal Flight Tra FY 20 QTY 3 2 3 1 1 1	Sir Force, Budget Ac Sir Force, Budget Ac Sir Force, Budget Ac Sir Fy 2000 OTY COST Sir Fy 2000 OTY COST Sir Fy 2000 OTY COST O.103 O.354	Sir Force, Budget Activity 03, Table Crew Trainers	Crew Trainers Copenies Cope	Crew Trainers Copt	Series S	Section Sect	Joint Primary Airc System (JPATS) Joint Primary Airc System (JPATS) System (JPATS) System	Crew Trainers Corp. Instrument Flight Trainers (IFT), and Unit Training Devices (UTD).

P-1 Shopping List Item No. 12

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

Exhibit P-43 p.4, Simulator	r and Training De	Date: June 2001								
Appropriation (Treasury) Code/CC/ Aircraft Procurement,		P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)								
Weapon System T-6										
Equipment Nomenclature: M	Aaintenance									
Description:										
FINANCIAL PLAN	FY 2000	J	FY 20	001	FY	2002	To Co	mplete	Total	Costs
FINANCIAL PLAN	QTY (COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		0.000		0.000				0.000		0.000
Total Hardware Costs		0.000		0.000				0.000		0.000
Support Costs										
		0.000		0.000				0.000		0.000
Total Support Costs		0.000				0.000		0.000		
		\Box								
TOTAL COSTS		0.000	1	0.000		1	ı	0.000		0.000

P-1 Shopping List Item No. 12

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

FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 04 – OTHER AIRCRAFT JUNE 2001

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Exhibit P-40, Budget Item	Justificat		Date: June 2001										
Appropriation (Treasury) Code/C0	C/BA/BSA/Iten	P-1	Line Item No	menclature									
Aircraft Procurement	, Air For	C١	CV-22 (Osprey)										
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		PE 1160404				
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
Proc Qty	A	0	0	0	0	3	5	5	5	5	17	40	
Cost (\$ M)		21.996	21.523	332.452	95.110	334.078	314.288	317.769	291.617	275.428	882.745	2887.006	

Advance Proc Cost (\$ M)		0.000	19.668	22.712	14.991	36.101	30.977	22.201	9.023	24.012	46.411	226.096
Weapon System Cost (\$ M)		21.996	41.191	355.164	110.101	370.179	345.265	339.970	300.640	299.440	929.156	3113.102
Initial Spares (\$ M)		0.000	0.000	16.805	26.390	44.310	46.639	52.734	39.098	14.144	0.000	240.120
Total Proc Cost (\$ M)		21.996	41.191	371.969	136.491	414.489	391.904	392.704	339.738	313.584	929.156	3353.222
Flyaway Unit Cost (\$ M)						67.612	53.673	55.110	54.434	53.883		
Wpn Sys Unit Cost (\$ M)	·					138.163	69.171	68.113	82.082	62.675		·

Description

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

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.

'The following net transaction(s) are not reflected in the FY01 program total: BTR= \$9.4M; Projected Congressional Rescission = \$240M. These transactions are not reflected in other sections of the P-docs where an FY01 total is shown.'

FY 2002 Program Justification

NOTE: The FY01 Advanced Procurement funding shown on this P-40 is incorrect. The FY01 Supplement Request removed all of these funds NOTE: Initial Spares funding shown on this P-40 is incorrect. The FY02 amount should be \$3.678M. The additional \$22.712M that was incorrectly loaded into Initial Spares should be included in the Cost line, making the correct Cost value \$117.822.

In FY01 the V-22 Program will develop two CV-22 Production Representative Test Vehicles (PRTVs) using Navy RDT&E funding. These two aircraft will be used to conduct CV-22 Initial Operational Testing (IOT&E) in late-FY03/early-FY04. To support IOT&E, spares and support equipment must be procured. Spares and support equipment are necessary to provide a realistic test environment and aid in the assessment of operational effectiveness and operational suitability of the weapon system. Spares and support equipment with lead-times greater than 12 months were included in the FY01 APB. Remaining items, those with one year (or less) lead-time, are included in this budget request. This support equipment is Operational and Intermediate (O&I) level PGSE to support IOT&E and the schoolhouse at Kirtland AFB. Total

P-1 Shopping List Item No. 13

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

Exhibit P-40, Budget Item Justification	Date: June 2001
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. 13	CV-22 (Osprey)

FY 2002 Program Justification Continued

FY02 requirement for spares is \$3.7M. FY02 requirement for support equipment (common support equipment as well as peculiar ground support equipment for airframe, engines and avionics) is \$26.0M. Upon completion of IOT&E, these spares and support equipment will be transferred to Kirtland AFB as part of the standup of the CV-22 Schoolhouse.

Nonrecurring costs include tooling and cost reduction initiatives. The V-22 Program must purchase additional factory tooling in order to support CV-22 procurement beginning in FY03. The first increment, consisting of the longest lead-time items, was purchased in FY01 and the remainder will be procured in FY02 at a cost of \$12.1M. In FY01 the V-22 Program initiated a Cost Reduction Program in order to reduce the aircraft's unit flyaway cost. The Navy and Air Force are both contributing up-front funds to realize unit flyaway cost savings over the program of \$3M per aircraft. The USAF FY02 contribution to cost reduction initiatives is \$47.1M.

Other FY02 CV-22 procurement items include:

\$11.0M in Peculiar Training procures the Air Force portion (85%) of the Cabin Part Task Trainer (CPPT), a full-scale mockup of the aircraft's cabin used to train flight engineers in loadmaster/crew chief duties. It also provides training system support and upgrades.

\$3.3M in Publications and Technical Data procures Flight Manuals, General Series Manuals updates, O-Level tech data, technical manual data cards, and O&I level Integrated Electronic Technical Manual System (IETMS).

\$11.4M in Other Integrated Logistics Support (ILS) and Production Engineering Support provides funding for logistics and engineering support functions at various Air Force, Marine Corp and Navy locations.

\$6.8 in Engineering Change Orders.

\$15.0M in Advance Procurement procures long lead items for the first three production funded aircraft to be procured in FY03.

P-1 Shopping List Item No. 13

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

Exhibit P-5, Weapon System Cost Analy Appropriation (Treasury) Code/CC/BA/BSA/Item Cont							P-1 Line Item N	Date: Ju omenclature	ne 2001	
Aircraft Procurement, Air Force, I	Budget Ad	ctivity 0	4, Other A	ircraft, Ite	m No. 13		CV-22 (Os	sprey)		
Manufacturer's Name/Plant City/State Location				Subline Item						
Bell-Boeing / Amarillo / TX										
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Air Frame CFE	A				0		18.000	0		0.000
Engines/Engine Accessories	A				8	1.830	14.640	0		0.000
GFE Electronics	A						2.100			0.000
Engineering Change Orders (ECO)	A						15.258			6.848
Nonrecurring Cost	A						23.500			59.233
TOTAL FLYAWAY COST	A						73.498			66.081
Airframe PGSE	A			1.845			13.444			10.218
Engine PGSE	A			0.000			0.688			2.436
Avionics PGSE	A			0.000			14.640			7.782
Peculiar Training Equipment	A			16.502			9.416			10.971
Publications/Technical Data	A			0.413			0.405			3.286
Other ILS	A			0.939			7.800			6.587
Production Engr Support	A			1.577			3.392			4.804
Common SE	A			0.000			2.149			5.657
SUPPORT COST	A			21.276			51.934			51.741
Gross P-1 Cost	A			21.276			125.432			117.822
Advance Procurement (Credit)	A						-19.668			0.000
Net P-1 Cost	A			21.276			105.764			117.822
Advance Procurement	A			19.915			0.000			14.991
Weapon System Cost	A			41.191			105.764			132.813
Projected Congressional Rescission & BTR	A						249.400			-
Initial Spares	A						16.805			3.678
TOTAL PROGRAM				41.191			371.969			136.491
Comments										

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

Exhibit P-5A, Procuremen	t Histo	ry and Pla	anning							Date: June	2001	
Appropriation (Treasury) Code/CC/									e Item Nome			
Aircraft Procurement,	Air F	orce, Bu	udget Acti	vity 04,	Other Ai	rcraft, Iten	n No. 13	CV-2	2 (Ospr	ey)		
Weapon System					Subline Iter	m						
CV-22												
				RFP Issue		Contract			Award	Date of First		Date Revisions
WBS Cost Elements FY2000 Advance Procurement	Qty	Unit Cost	NAVAIR	Date	Method SS	Type Navy	Contractor and Loca Bell-Boeing, Patuxer River MD		Date Jun-00	Delivery	Now?	Available?
FY2001 Engines	8	1.830	NAVAIR		SS	Navy	Rolls-Royce, Indiana IN	apolis,	Jan-01	Aug-02	Yes	
FY2002 Advance Proc			NAVAIR		SS SS	Navy	Bell-Boeing, Patuxer	nt	Feb-02			
1 12002 Havanee 1100							River, MD		100 02			
Remarks												
				P-	1 Shopping	List Item No	o. 13		Proc		-	d Planning
										Exhib	it P-5A, pa	ge 4 of 13

Exhibit P-21, Production	Sched	lule																				Da	ite: .	June	e 200	01			
Appropriation (Treasury) Code/Co	C/BA/BS	A/Item C	ontrol Nur	nber														P-1	Line	e Iter	n Noi	menc	latur	е					
Aircraft Procurement	t, Air	Force	, Budç	jet Acti	vity	<i>i</i> 04	, Otl	her	Air	rcra	aft,	lter	n N	lo.	13			C	V-2	2 (0	Osp	ore	/)						
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2003	USAF	5	0	5		\vdash		\vdash	\Box	\vdash	\vdash						\vdash								Н	\vdash	\vdash	\dashv	5
2005	USAF	5	0	5		М			\Box		\Box															М	\Box	\neg	5
2006	USAF	5	0	5		\Box		\Box	\Box		\Box														П	\Box	\Box	\neg	5
2007	USAF	5	0	5																									5
TOTAL		23	0	23																									23
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
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Minimum sustaining rate includes MV-22 production;
NOTE: Due to Blue Ribbon Panel recommended CV-22 program restructuring, two production-representative test article CV-22's will be purchased in FY 2001 with Navy RDT&E funds.

P-1 Shopping List Item No. 13

Production Schedule Exhibit P-21, page 5 of 13

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Exhibit P-21, Production	1 Scher	Jule																$oldsymbol{\mathbb{L}}$				Dε	ate:	Jun	e 20	01			
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Aircraft Procuremen	n <u>t, Air</u>	Force	, B <mark>ud</mark> ṛ	get Acti	vity	<u>/ 04</u>	., <u>O</u> t	<u>her</u>	<u> </u>	rcr:	aft,	lte	<u>m N</u>	<u>lo.</u>	<u>13</u>			C	V-2	22 (0	Osı	ore'	y)_						!
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Production Schedule Exhibit P-21, page 6 of 13

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Exhibit P-21, Production	Sched	Jule																\mathbf{I}				D۶	ate: .	Jun	e 20	01			
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ITEM/MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF HOU DAY	JRS	M A X	Rì	EACH D+	IED							ADI LEAD	MIN O TIME	Z		MFG			TOTA AFTE					
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REMARKS											IKLU	<u>anders</u>																	

Production Schedule Exhibit P-21, page 7 of 13

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature	Exhibit P-21, Production	Sched	lule						<i>3</i> 140		100)							T				Da	ate:	June	e 20	01			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13 CV-22 (Osprey)	·			ontrol Nur	mber														P-	1 I in	e Iter	n No								
ACCEPANCE PRIOR PROCUREMENT YEAR PROCUREMEN						i4v	, na	O+	hor	. A :	rore	-f≠	ادما	m N	ما	12			•						Ü					
PROCUREMENT YEAR PROCUREMENT YEAR PROCUREMENT	All Craft Procuremen	it, Aii	Force				/ 04	, Οι	nei					III IN	Ο.	13			<u> </u>	V - Z	.2 (
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2005		· ·											Y		Ĺ			T	V								Ĺ		P	
2006					1			1																						
2007						_	Ь—		┞	1		1		1		1		1						┞		<u> </u>				0
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P-1 Shopping List Item No. 13

Production Schedule Exhibit P-21, page 8 of 13

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Exhibit P-21, Production	Sched	dule																				Da	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/C	C/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lin	e Iter	m No	men	clatu	re					
Aircraft Procuremen					ivit	<i>i</i> 04	. Ot	her	Ai	rcra	aft.	lter	n N	o. '	13			•		22 (
	s		ACCEP.	BALANCE							EAR 2	2009										CAL `	YEAR	2010					L
PROCUREMENT YEAR	E R V	PROC. QTY	PRIOR TO 1 OCT 2008	DUE AS OF 1 OCT 2008	O C T	2008 N O V	D E C	J A N	F E B	M A R	A P R	M A Y	NDAR J U N	YEA J U L	AR 200 A U G	9 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	DAR Y M A Y	EAR J U N	2010 J U L	A U G	S E P	A T E R
2004	USAF	5	5																										0
2005	USAF	5	5		_	Ь—		\vdash													├		┞			<u> </u>	—		0
2006	USAF	5	4		+	1			.	<u> </u>	.									_	├		┝	-	<u> </u>	├	-		0
Z007 TOTAL	USAF	5 20	0 14			1			1	<u> </u>	1		1		1			1			_		\vdash		-	<u> </u>	-		0
TOTAL		1 20	14	PRODUCTION	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	
ITEM/MANUFACTURER'S NAME		LOCATIO	ON	MIN SUST	SHIF HOU DAY	T JRS	M A X	RE	EACH D+	ED							AD! LEAD	MIN			MFG			TOTA AFTE					
Bell-Boeing											INITI	AL					IOR ICT	AF1	TER CT		TIME	2		1 OC	Γ				
REMARKS											REO	RDER																	

Production Schedule Exhibit P-21, page 9 of 13

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
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. 13	CV-22 (Osprey)

Weapon System CV-22

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Quantity	1	0	1	4	1	1	1	0	9
Proc	16.502	9.416	10.971	48.728	21.108	18.265	14.651	2.000	141.641

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 FY04.
- 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.

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P-1 Shopping List Item No. 13

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

Exhibit P-43 p.2, Simu				(\$ M)				Date:	: June 2001	
Appropriation (Treasury) Cod Aircraft Procurem				4, Other Air	craft, Item	No. 13		ne Item Nomenclatur 22 (Osprey)	re	
Weapon System CV-22										
Equipment Nomenclatu	ıre: Unit Traiı	ning Device (U7	<u>ΓD)</u>							
IOC Date										
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2000	FY	2001	FY 2	2002
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST
Weapon System Trainer (WST)	Kirtland	Feb-02	Mar-03	41						
Operational Flight Trainer (OFT)	Kirtland	Nov-02	Mar-03	41	1	14.336				
OFT	Hurlburt	Nov-03	May-03	62				1		
Intermediate Multi-media Inst. -Operator (IMI-O)	Kirtland	Mar-03	Mar-03					1.537		
IMI -Maintenance (IMI-M)	New River	Sep-03	Sep-03					5.834		
Cabin Part Task Trainer (CPPT)	Kirtland	Feb-03	Sep-03	72					1	8.047
WST	Kirtland	Feb-05	Sep-04	41						[
CV-V-22 Maint. Trng. Suite (CV-VMTS)	New River	Jan-05	Jun-05							
OFT	PACOM	Feb-05	Sep-05	23						ſ <u></u>
OFT	Kirtland	Feb-06	Sep-06	23						(
OFT	EUCOM	Feb-06	Sep-06	23						ſ <u></u>
OFT	CONUS2	Feb-07	Sep-07	62						
ECPs & Support		<u> </u>				2.166		2.045		2.924
TOTAL		<u> </u>			1	16.502		9.416	1	10.971

P-1 Shopping List Item No. 13

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

Exhibit P-43 p.3, Simulator	and Training	Device Just	tification (\$	M)				Date: J	une 2001	
Appropriation (Treasury) Code/CC/Aircraft Procurement,			tivity 04,	Other Aircr	aft, Item N	lo. 13		em Nomenclature (Osprey)	•	
Weapon System CV-22										
Equipment Nomenclature: A	ircrew Trainer	·s								
Description:										
	FY 2	2000	FY	2001	FY 2	.002	To Con	nplete	Total (Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs					<u> </u>	•				
WST							1	12.428	1	12.428
OFT	1	14.336					6	65.402	7	79.738
CPTT					1	8.047			1	8.047
Total Hardware Costs	1	14.336			1	8.047	7	77.830	9	100.213
Support Costs										
		2.166		9.416		2.924		12.880		27.386
Total Support Costs		2.166		9.416		2.924		12.880		27.386
TOTAL COSTS	1	16.502		9.416	1	10.971	7	90.710	9	127.599

P-1 Shopping List Item No. 13

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: J	June 2001	
Appropriation (Treasury) Code/CC/	BA/BSA/Item Co	ntrol Number					P-1 Line It	em Nomenclature	Э	,
Aircraft Procurement,	Air Force,	Budget A	ctivity 04,	Other Aircr	aft, Item I	No. 13	CV-22	(Osprey)	_	
Weapon System CV-22										
Equipment Nomenclature: M	aintenance									
Description:										
EINANGIAI DI AN	FY	2000	FY	2001	FY	2002	To Cor	nplete	Total (Costs
FINANCIAL PLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
CV-VMTS							1	8.208	1	8.208
Total Hardware Costs							1	8.208	1	8.208
Support Costs										
IMI-M				5.834						5.834
Total Support Costs				5.834						5.834
TOTAL COSTS				5.834			1	8.208	1	14.042

P-1 Shopping List Item No. 13

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

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Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001			
Appropriation (Treasury) Code/CC	/BA/BSA/Iten	n Control Num	ber					P-1	Line Item No	menclature				
Aircraft Procurement	, Air For	ce, Budg	et Activit	ty 04, Oth	ner Aircra	aft, Item I	No. 14	C	/-22 (Osp	rey) Ad	vance			
									ocureme					
Program Element for Code B Items: N/A Other Related Program Elements: PE 1160404 ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp Total														
	ID Code	Prior Years	FY 2000	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)			19.668	22.712	14.991	36.101	30.977	22.201	9.023	24.012	44.380	224.065		
Weapon System Cost (\$ M)			19.668	22.712	14.991	36.101	30.977	22.201	9.023	24.012	44.380	224.065		
Initial Spares (\$ M)														
Total Proc Cost (\$ M)			19.668	22.712	14.991	36.101	30.977	22.201	9.023	24.012	44.380	224.065		
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 2002 Program Justification

NOTE: The FY01 Advanced Procurement funding shown on this P-40 is incorrect. The FY01 Supplement Request removed all of these funds

In FY01 the V-22 Program will develop two CV-22 Production Representative Test Vehicles (PRTVs) using Navy RDT&E funding. These two aircraft are required to conduct Operational Testing (IOT&E) in late-FY03/early-FY04. Spares and support equipment must be procured iIn order to successfully conduct this test, and accurately assess the operational effectiveness and operational suitability of the weapon system. Items with lead-times greater than 12 months were included in the FY01 APB. Remaining items, those with shorter lead-times, are included in this budget request. Upon completion of IOT&E, these spares and support equipment will be transferred to Kirtland AFB as part of the standup of the CV-22 Schoolhouse.

The V-22 Program needs to purchase additional factory tooling in order to support CV-22 procurement beginning in FY03. The first increment, consisting of the longest lead-time items, was purchased in FY01, and the remainder will be procured in FY02.

P-1 Shopping List Item No. 14

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

01102/10011 125	
Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 14	P-1 Line Item Nomenclature CV-22 (Osprey) Advance Procurement
FY 2002 Program Justification Continued In FY01 the V-22 Program initiated a Cost Reduction Program in order to reduce the aircraft's unit flyaway cost. funds to realize unit flyaway cost savings over the program of \$3M per aircraft.	The Navy and Air Force are both contributing up-front
D.4.Channing Lint Have No. 44	
P-1 Shopping List Item No. 14	Budget Item Justification

Exhibit P-10 p.1, Ad ^o (Page 1 - Funding)	vance Pro	curement	Requirem	ients Anal	ysis						Date: June	2001	
Appropriation (Treasury) C Aircraft Procurer				Activity (04, Other	· Aircraft	:, Item N	o. 14	CV-	ine Item Nom -22 (Ospi	rey) Adv	/ance	
Weapon System					1	First Syster	m Award Da	ate			m Completion	on Date	
CV22AP							Jun-					r-03	
					(5	\$ in Millions	s)						
<u>Description</u>	<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty	38	Mar-03		0	0	0	3	5	5	5	5	27	50
CFE GFE	38	Mar-03	21.996	19.612	0.000	14.919	36.028	30.901	22.124	8.945	23.915	44.198	222.638
EOQ Design		+		+	 '			 		 		 	
Term Liability													
GFE													
ADF Antenna/Processor	12	Feb-02	N/A	0.040	0.000	0.052	0.053	0.054	0.055	0.056	0.069	0.130	0.509
ARN-147 (V)	12	Sep-01	N/A	0.008	0.000	0.010	0.010	0.011	0.011	0.011	0.014	0.026	0.101
Radar Altimeter Ant.	12		N/A			0.007	0.007	0.007	0.007	0.007	0.009	0.017	0.066
External Power Monitor	12	 	N/A	 	1	0.003	0.003	0.004	0.004	0.004	0.005	0.009	0.035
TOTAL AP			21.996	19.668	0.000	14.991	36.101	30.977	22.201	9.023	24.012	44.380	223.349
Description:													

P-1 Shopping List Item No. 14

Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 3 of 4

Exhibit P-10 p.2, Advance Procu (Page 2 - Budget Justification)	ırement Requirements Ar	nalysis			Date: Ju	ine 2001
Appropriation (Treasury) Code/CC/BA/BS/Aircraft Procurement, Air F		y 04, Other Airc	craft, Item No.	14 C	Line Item Nomenclature /-22 (Osprey) A	dvance
Weapon System				•		
CV22AP						
		(TOA, \$ in	n Millions)	_	Januara .	2002 77 . 1 . 7
Description	DIT	ODA	Unit Cost	2002 OTV	2002 Contract Forecast Date	2002 Total Cost
<u>Description</u> End Item	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	2002 QTY	Forecast Date	Request
End Item		I				1
CFE	38	1		<u> </u>	1	14.919
GFE	30	1				14,717
		•		•	•	
EOQ						
Design						
Term Liability						
GDP.						
GFE A DE A	12	1	0.012		, I 02	0.072
ADF Antenna/Processor	12	1	0.013		5 Jan-02	0.052
ARN-147 (V) Radar Altimeter Ant.	12	1	0.003		5 Aug-01 10 Jan-02	0.010
External Power Monitor	12	2	0.001		10 Jan-02 5 Dec-01	0.007 0.003
TOTAL AP	12	1	0.001		3 Dec-01	14.991
Description:		•		•	,	
		P-1 Shopping	List Item No. 14	Adv	(Page 2	Requirements Analysi - Budget Justification it P-10 p.2, page 4 of 4

UNCLASSIFIED PAGE 4 - 18

Exhibit P-40, Budget Item	า Justificat	ion								Date: Jun	e 2001				
Appropriation (Treasury) Code/Co	C/BA/BSA/Iter	n Control Num	ber					P-1	Line Item No	menclature					
Aircraft Procurement	ircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15 C-32B FEST/DEST AIRCRAFT														
Program Element for Code B	ogram Element for Code B Items: N/A Other Related Program Elements: None														
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total			
Proc Qty	A		1	0	1	0	0	0	0	0	0	2			
Total Proc Cost (\$ M)			73.000	0.000	72.451	0.000	0.000	0.000	0.000	0.000		145.451			

Description

FY03-07 budget numbers do not reflect the DoD strategic review results. 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 2002 Program Justification

FY()2 t	oros	gram	provides	fundir	g to	procure and	modify	one u	ised Boei	ng 75	7-200	(C-32B)) for the	e Emergency	v Suppor	t Team	mission.
		$\sigma_{\mathbf{I}} \circ \mathfrak{f}$	51 4111	provides	IGIIGII	5	procure and	IIIO GII	OH C	ibea Dee	115, 10	, 200	(, 101 111	Difference	, Duppor	t I cuii	i iiiibbioii.

P-1 Shopping List Item No. 15

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

Exhibit P-5, Weapon System Cost Analy	/sis							Date: Ju	ıne 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Con						_	P-1 Line Item I			
Aircraft Procurement, Air Force,		ctivity 0	4, Other A		m No. 1	5	C-32B FE	ST/DEST	AIRCRAI	-T
Manufacturer's Name/Plant City/State Location	n			Subline Item						
Boeing Aerospace/Seattle/WA										
Weapon System	Ident				Total Co	st In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A	1		41.218				1		36.000
Equipment Lease	A			4.786						
Mission Equipment	A			26.447						24.000
FLYAWAY COST SUBTOTAL	A			72.451						60.000
Support Equipment	A			0.549						12.451
SUPPORT COST SUBTOTAL	A			0.549						12.451
TOTAL PROGRAM				73.000						72.451
Comments										
Support equipment funding for FY01 was defe	rred to FY02									
bupport equipment runding for 1 101 was dete	1100 to 1 1 02.									
			P-1 Shoppin	a List Item N	o 15	1		Weapon	System Co	st Analysis

							ι	JNC	LA	SS	IFIE	ĒD																	
Exhibit P-21, Production	n Sched	lule																				Da	ate:	June	200	01			
Appropriation (Treasury) Code/	CC/BA/BS	A/Item C	ontrol Nur	mber														P-	1 Line	e Iten	n No	mend	clatur	e					
Aircraft Procuremei	nt, Air	Force	, Budg	get Acti	vity	04	, Ot	her	Air	cra	aft,	lter	n N	o. ′	15			C	-32	ΒF	ES	T/D	ES	T A	\IR(CR/	۱F۲	i	I
	s		ACCEP.	BALANCE	_						EAR 2	2001									FIS	CAL Y							L
PROCUREMENT YEAR	E	PROC.	PRIOR TO	DUE AS OF	О	2000 N	D	J	F	M	A	CALE: M	NDAR J	YEA J			0	N	D	J I	F	CA M	LENI A	DAR Y	EAR 2	2002	A	S	A T
FROCUREMENT TEAR	R V	QTY	1 OCT	1 OCT	C	0	Е	Α	E	Α	P	Α	U	U	A U	S E	C	О	Е	A	E	Α	P	Α	U	U	U	Е	E
2000	USAF	1	2000	2000	Т	V	C	N	В	R	R	Y	N	L	G	P	Т	V	С	N	В	R	R	Y	N	L	G	P	R 0
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2002	USAF	1	0	1																									1
TOTAL		2	0	2																		1		\square	ш	\square			1
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ITEM/MANUFACTURER'S NAME Boeing Aerospace		LOCATIO Seattle, W		1	DAY	S	X 1		D+							PRI	OP	AFI	TED		TIME			AFTER 1 OCT		1			
Boeing Acrospace		Scattle, w	A	1			1									10		10						1001		1			
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REMARKS FY03-07 budget numbers do not reflect	the DeD et		v. manulta T	lan nimamaft anla	atad ia		d Dooin	757 2	200 (C	(22D)	The	o di fi				Dorut	h.c.m. 1	Canana	uilla T	v				—					
F 1 05-07 budget numbers do not reflect	the DoD str	ategic revie	w results. 1	ne aircrait seie	cted is	a usec	и военц	2 131-2	200 (C	-32D)	. The	moam	cation	Contra	actor i	s Kayı	neon, t	Green	ville, i	Λ.									

Production Schedule Exhibit P-21, page 3 of 4

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Exhibit P-21, Productio	n Sche	dule																				Da	ate	e: Jur	ne 2	2001	1		
Appropriation (Treasury) Code	/CC/BA/BS	SA/Item C	Control Nu	mber														P-	1 Lin	e Ite	m No	men	ıcla	ture					
Aircraft Procureme					iv/i#v	, n/	Ωŧ	hor	· Ai	ror	əft	Itai	m N	l۵	15									EST	ΛIΓ	-	DΛ	ET	
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PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 2002	AS OF 1 OCT 2002	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		O C T	N O V	D E C	J A N	F E B	M A R	F	A M P A R Y	J	J [J U	A S U I	T E
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2002	USAF	1	0			_		_		₩		_			<u> </u>		_				<u> </u>	1	╄	—	╨	_	_		(
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Boeing Aerospace				<u> </u>				1									IOR		ΓER		1 11111	_		1 OC	T				
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Production Schedule Exhibit P-21, page 4 of 4

Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001				
Appropriation (Treasury) Code/CC	C/BA/BSA/Iten	n Control Numl	per					P-1	Line Item No	menclature					
Aircraft Procurement	rcraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17 Operational Support Aircraft														
Program Element for Code B	ogram Element for Code B Items: N/A Other Related Program Elements: N/A														
	ID Code	Prior Years	FY 2000	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		2			
Total Proc Cost (\$ M)			62.331	59.452	0.000	0.000	0.000	0.000	0.000	0.000		121.783			

Description

FY03-07 budget numbers do not reflect the DoD strategic review results. The following net transactions are not reflected in the FY01 program total: BTRs=+ \$9.4M and +\$0.147M. 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 2002 Program Justification

P-1 Shopping List Item No. 17

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

Exhibit P-5, Weapon System Cost Ana	•							Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co							P-1 Line Item N			
Aircraft Procurement, Air Force,	, Budget Ac	ctivity 04	4, Other A	ircraft, Ite	m No. 17	,	Operation	al Supp	ort Aircraf	t
Manufacturer's Name/Plant City/State Location	on			Subline Item						
Boeing Aerospace/Seattle, WA										
Weapon System	Ident				Total Cos	t In Millions	of Dollars		_	
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A	1		62.331	1		69.000			
FLYAWAY COST SUBTOTAL	A			62.331			69.000			
Contractor Logistics Support	A									
SUPPORT COST SUBTOTAL	A									
	\longrightarrow									
TOTAL PROGRAM										
			P-1 Shoppin	na List Item N	lo. 17			Weapor	n System Co	st Analysi

Exhibit P-5, page 2 of 3

Exhibit P-21, Production	(Treasury) Code/CC/BA/BSA/Item Control Number Procurement, Air Force, Budget Activity 04, O S																					Dε	ıte: .	June	<u> 20</u>	01_			
Appropriation (Treasury) Code/C	C/BA/BS	A/Item C	ontrol Nur	mber														P-	1 Lin	e Iter	n No	meno	latur	е					
Aircraft Procuremen	t, Air	Force	։, Budç	jet Acti	vity	04	, Ot	<u>her</u>	Aiı	rcra	aft,	Iter	m N	lo.	<u> 17</u>			0	pei	ratio	ona	al S	up	or	t Ai	rcr	aft_		
	S							=	FISC	CAL Y										_	FISC								L
DDOCUDEMENT VEAD	Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17 Post		A																										
PROCUREMENT YEAR	1	QTY	1 OCT	1 OCT	C		E C	A N	E B	A R	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	U G	E P	E R
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2001	USAF	1	0	1														\Box										\Box	1
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	P-1 Line Item Nomenclature P-1 Comparison (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Comparison (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Comparison (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/CC/BA/BSA/Item Code/Code/CC/BA/BSA/Item Code/Code/CC/BA/BSA/Item Code/Code/CC/BA/BSA/Item Code/Code/CC/BA/BSA/Item Code/Code/Cd/BA/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Code/Cd/Ba/BSA/Item Code/Cd/Ba/BSA/Item Code/Cd/Ba/BsA/BsA/BsA/BsA/BsA/BsA/BsA/BsA/BsA/BsA																												
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Boeing Acrospace		Scattle, W	asimigion		<u> </u>	\dashv		1												ĺ			1	1001					
	Priorition (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature																												
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REMARKS																													

Aircraft is a military variant of the Boeing 737-700.

P-1 Shopping List Item No. 17

Production Schedule Exhibit P-21, page 3 of 3

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Exhibit P-40, Budget Item	Justifica	tion								Date: Jun	e 2001			
Appropriation (Treasury) Code/CC	C/BA/BSA/Ite	m Control Num	ber					F	-1 Line Item No	menclature				
Aircraft Procurement	, Air For	ce, Budg	et Activit	ty 04, Oth	ner Aircra	aft, Item	No. 18]7	arget Dro	nes				
Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		64735F					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total		
Proc Qty A														
Cost (\$ M)			30.029	32.614	35.484	36.041	47.150	39.42	1 40.238	41.090		302.067		
Advance Proc Cost (\$ M)														
Weapon System Cost (\$ M)			30.029	32.614	35.484	36.041	47.150	39.42	1 40.238	41.090		302.067		
Initial Spares (\$ M)			0.885	0.605	0.101	0.833	1.009	0.50	0.505	0.506		4.949		
Total Proc Cost (\$ M)			30.914	33.219	35.585	36.874	48.159	39.92	6 40.743	41.596		307.016		
Flyaway Unit Cost (\$ M)														
Wpn Sys Unit Cost (\$ M)														

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

The following net transaction is not reflected in the FY01 program total: BTR -\$4,031K. This transaction is not reflected in other sections of the P-docs where an FY01 total is shown.

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

FY 2002 Program Justification

Procurement funds are for full scale and subscale aerial targets for the AMRAAM, AIM-9, AIM-7 programs, for the F-22 test program, and for all operational flight program fighter aircraft upgrades. Funds for QF-4 full scale aerial targets (12 in FY02) are required to meet existing development and operational test requirements. Funds for Air Force Subscale Aerial Target (AFSAT) provide for non-recurring (production set-up) and 6 pre-production articles for the flight demonstration program.

P-1 Shopping List Item No. 18

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

Exhibit P-5, Weapon System Cost Analysis	\$							Date: Ju	ne 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	dget A	ctivity 04	, Other A	ircraft, Ite	m No. 18	;	Target Dr	ones		
Manufacturer's Name/Plant City/State Location				Subline Item		•				
QF-4 (BAE Systems, Mojave, CA) BQM-34 (No.	rthrop Gru	mman, San	Diego, CA)							
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
QF-4 FULL SCALE AERIAL TARGET	A									
FLYAWAY COST										
QF-4 Hardware Recurring	A									
Aircraft Drone Mod & Integ	A	12	0.630	7.558	11	0.645	7.099	12	0.692	8.307
Scoring System (VDOPS)	A									
F-4 In Plant Repairs	A			0.308			0.272			0.287
Environ Stress Test of Destruct Units	A									
Engineering Change Orders (ECO)	A			0.175			0.886			0.831
Warranty	A			0.191			0.180			0.194
Aircraft Withdrawal / Aerospace Maintenance	A									
and Re										
Restricted Manned Perf to 3G	A	12	0.244	2.933				11	0.353	3.880
Unrestricted Manned Perf to 6G	A				11	0.758	8.338	1	0.827	0.827
MILSTRIP RSD	A			0.225			0.150			0.150
MILSTRIP EOQ	A			0.200			0.200			0.200
FLYAWAY COST SUBTOTAL	A			11.590			17.125			14.676
QF-4 Support Cost	A									
Data Tech Manuals	A			0.057			0.062			0.065
On Call Engineering Support	A			0.026			0.027			0.028
Prime Contractor Technical Support	A			0.118			0.122			0.117
Alternate Mission Equipment	A									
Government Support	A			2.078			1.801			3.243
SUPPORT COST SUBTOTAL	A			2.279			2.012			3.453
INITIAL SPARES	A									
BQM-34 SUBSCALE FLYAWAY COST	A									

P-1 Shopping List Item No. 18

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

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Exhibit P-5, Weapon System Cost Analys							5		ine 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Cont							P-1 Line Item N			
Aircraft Procurement, Air Force, E		ctivity 04	, Other All	rcraft, Ite			Target Dr	ones		
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframes	A	32	0.423	13.545	13	0.729				
ECO	A			0.160			0.910			
GFE	A									
Engines	A	32	0.025	0.800	24	0.025	0.600			
IFF (L-Band) Transponders	A	32	0.002	0.069	24	0.006	0.144			
Locator Beacons	A	32	0.002	0.063						
BQM-34 FLYAWAY COST SUB TOTAL	A			14.637			11.131			
BQM-34 Support Cost	A									
Data Tech Manuals	A			0.065			0.065			
NTSSAT FAAT Testing	A									
Government Testing	A									
Government Support	A			0.904			0.910			
On Site Support Redstone Arsenal	A			0.165			0.158			
Technical Support	A			0.389			1.213			
Other	A									
Alternate Mission Equipment	A									
BQM-34 SUPPORT COST SUBTOTAL	A			1.523			2.346			
AFSAT	A									
Production Set up	A									2.680
Pre-Production article	A							6		11.522
Production article	A									
ECO	A									
Data/Tech Manuals	A									
First Article Acceptance Testing	A									
Formal Qualification Testing (FQT)	A									
Peculiar Support Equipment (PSE)	A									
Primary Mission Equipment (PME)	A									
AFSAT Support Cost	A									

P-1 Shopping List Item No. 18

Weapon System Cost Analysis Exhibit P-5, page 3 of 15

Exhibit P-5, Weapon System Cost Analysis	s							Date: Ju	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	Iomenclature		
Aircraft Procurement, Air Force, Bu	ıdget A	ctivity 0/	4, Other Ai	rcraft, Ite	m No. 1	8	Target Dro	ones		
Weapon System	s of Dollars									
Cost Elements			FY 2002							
	[Total			Total			Total
	<u> </u>	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Government Support	A									1.574
On Site Support Redstone Arsenal	A						<u> </u>			
Technical Support	A						<u> </u>			1.579
										,
TOTAL PROGRAM				30.029			32.614			35.484
Comments										

P-1 Shopping List Item No. 18

Weapon System Cost Analysis Exhibit P-5, page 4 of 15

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Weapon System TD					Subline Ite	<u>m</u>						
WBS Cost Elements	Qty	Unit Cost	Location of	RFP Issue Date	Contract Method	Contract Type	Contractor and Loca	ntion	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available
FY00 (QF-4)	12		AAC/WRA	Bute	С	FFP	BAE SYSTEMS, MOJAVE, CA		Dec-99	Jun-00	Yes	Trumuch
FY01 (QF-4)	11		AAC/WRA		С	FFP	BAE SYSTEMS, MOJAVE, CA		Feb-01	Jun-01	Yes	
FY02 (QF-4)	12		AAC/WRA		С	FFP	BAE SYSTEMS, MOJAVE, CA		Dec-01	Jun-02	Yes	
FY00 (BQM-34)	32	0.457	AAC/WRA		С	FFP	NORTHROP GRUM (BQM-34), SAN DI CA		Nov-99	Apr-01	Yes	
FY01 (BQM-34)	13	0.856	AAC/WRA		С	FFP	NORTHROP GRUM (BQM-34), SAN DI CA		Oct-01	Aug-02	Yes	
FY02 (AFSAT)	6	2.367	AAC/WRA		С	FFP	TBD		Jan-02	Mar-03	No	Jan-02
<u>Remarks</u>												

P-1 Shopping List Item No. 18

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

Exhibit P-21, Production	Sched	Jule																${\mathbb T}$				Da	ite: .	June	e 200	01			
Appropriation (Treasury) Code/C0	C/BA/BS	A/Item C	ontrol Nur	nber														P-1	Line	e Iten	n Nor	menc	latur	е					
Aircraft Procurement	t, Air	Force	, <mark>Budç</mark>	jet Acti	vity	<u>/ 04</u>	, Ot	<u>ner</u>	Aiı	rcra	aft,	<u>lter</u>	<u>m N</u>	lo. '	1 <u>8</u>			Ta	arg	et [)ro	nes	>						
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PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 2000	AS OF 1 OCT 2000	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
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P-1 Shopping List Item No. 18

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FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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Production Schedule Exhibit P-21, page 14 of 15

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Exhibit P-21, Production	Sched	Jule																I				Dε	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/Co	C/BA/BS	SA/Item C	ontrol Nur	mber														P-	1 Lin	ne Iten	n No	meno	clatur	ſе					
Aircraft Procurement	t, <u>Air</u>	Force	., Budç	<u>jet Acti</u>	vity	<u>/ 04</u>	, Ot	h <u>er</u>	<u>Ai</u>	rcr:	aft,	<u>lte</u> r	<u>m N</u>	<u>10.</u>	<u> 18</u>			T	arg	jet [<u> Oro</u>	ne:	s						
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2007	USAF	20		20							2	3	3	3	3	3	3												0
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Production Schedule Exhibit P-21, page 15 of 15

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Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001	
Appropriation (Treasury) Code/CC	C/BA/BSA/Iten	n Control Numl	oer					P-1	Line Item No	menclature		
Aircraft Procurement	, Air For	ce, Budge	C-	40 ANG								
Program Element for Code B												
	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004										To Comp	Total
Proc Qty	A	0	0	0	0	0		1				
Total Proc Cost (\$ M)			0.000	51.524	0.000	0.000	0.000	0.000	0.000	0.000		51.524

Description

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

The following net transactions are not reflected in the FY01 program total: BTR=+\$9.999M. 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 2002 Program Justification

P-1 Shopping List Item No. 19

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

Exhibit P-5, Weapon System Cost Anal	ysis							Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co	ntrol Number					F	P-1 Line Item N	omenclature		
Aircraft Procurement, Air Force,	Budget Ad	ctivity 0	4, Other A	ircraft, Ite	m No. 19) [0	C-40 ANG	i		
Manufacturer's Name/Plant City/State Location				Subline Item		•				
Boeing Aerospace/Seattle/WA										
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total		1 1	Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Aircraft	A				1		61.524			
FLYAWAY COST SUBTOTAL	A						61.524			
Contractor Logistics Support	A									
SUPPORT COST SUBTOTAL	A								1	
									1	
TOTAL PROGRAM							61.524			
Comments										

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Exhibit P-21, Production	Sched	aluk																\mathbf{I}				Dε	ate:	June	e 200	01			
Appropriation (Treasury) Code/C	CC/BA/BS	3A/Item C	ontrol Nu	mber														P-	1 Lin	e Iter	m No	men	clatur	e					
Aircraft Procuremen	nt, Air	Force	, Bud	get Acti	vity	/ 04	i, Ot	her	<u> Ai</u>	rcr	aft,	Ite	<u>m N</u>	<u>10.</u>	19			<u>c</u>	-40	AN	1G								
	S		ACCEP.	BALANCE				-	FISC	CAL Y	YEAR 2		_	_		_				_	FIS		YEAR						L
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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	U N	U L	U G	S E P	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 L	A U G	S E P	T E R
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Boeing Aerospace		Seattle, W	A	1		\equiv	1	<u>-</u>									RIOR OCT		TER OCT		TIME		<u> </u>	1 OCT	î				
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REMARKS	· B B																												
FY03-07 budget numbers do not reflect	the DoD str	ategic revie	w results.																										

P-1 Shopping List Item No. 19

Production Schedule Exhibit P-21, page 3 of 3

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UNCLASSIFIED

Exhibit P-40, Budget Item	Justificati	on								Date: Jur	e 2001	
Appropriation (Treasury) Code/CC	/BA/BSA/Item	Control Numb	ber					P-1	Line Item No	menclature		
Aircraft Procurement	raft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20											
Program Element for Code B	ogram Element for Code B Items: N/A Other Related Program Elements:											
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)					19.000							19.000

Description

These funds are required to provide for the modification of aircraft and airborne systems used in classified missions. Because of their sensitive nature, the application of special management and security safeguards is required. Special justifications are provided through classified intelligence or security channels as requested.

On 6 Jan 00, the Air Force notified Congress of its intent to initiate a new activity named PROJECT SUTER. This new start is an initiative to demonstrate the synergistic effects of integrating the operations of intelligence collectors (RC-135 RIVET JOINT) and electronic warfare aircraft (EC-130H COMPASS CALL). Procurement of Airborne Information Transfer (ABIT) datalinks will begin in FY02.

NOTE: IN FY02 there is a line added for 19.0M against 'Suter.' In top-level database submitted to Congress this money was in a separate P-1 line in Weapons System Procurement, but should have been in the classified modifications line.

FY 2002 Program Justification

Quantities are not provided by year due to classification.

P-1 Shopping List Item No. 20

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

UNCLASSIFIED MODIFICATION OF AIRCRAFT

07/13/2001 MODIFICATION OF All FY 2002 PBR
Modification Title and No: SUTER MN-1002

Exhibit P3A Congressional Appropriation: Aircraft Procurement, Air Force

CLC: CLASSI

PE 0207253F

Team INFO

Models of Aircraft Affected: MULTIPLE

Center: ASC - Wright Patterson AFB, OH

Description/Justification

On 6 Jan 00, the Air Force notified Congress of its intent to initiate a new activity named PROJECT SUTER. This new start is an initiative to demonstrate the synergistic effects of integrating the operations of intelligence collectors (RC-135 RIVET JOINT) and electronic warfare aircraft (EC-130H COMPASS CALL). Procurement of Airborne Information Transfer (ABIT) datalinks will begin in FY02.

Quantities are not provided by year due to classification.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0

Development Status

N/A

Projected Financial Plan

	PRIC	OR	FY-0	00	FY-0)1	FY-0	02	FY-0)3	FY-0)4
DDT %E (2600)	<u>OTY</u>	<u>COST</u>	<u>OTY</u>	<u>COST</u>	<u>OTY</u>	COST	<u>OTY</u>	<u>COST</u>	<u>OTY</u>	COST	<u>OTY</u>	COST
RDT&E (3600)												
PROCUREMENT (3010)								10.0				
INSTALL KITS								19.0				
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)								19.0		'		

(Totals may not add due to rounding)

Fact Sheet: CLASSI MN-1002 SUTER (Continued)

(Continued)

	FY-0)5	FY-0)6	FY-0)7	TO CC	MP	TOTA	AL
	\underline{OTY}	COST	\underline{OTY}	COST	\underline{OTY}	<u>COST</u>	\underline{OTY}	COST	\underline{OTY}	COST
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										19.0
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)										19.0
(Totals may not add due to round	ding)									

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months Follow-On Lead Time: 0 Months

Milestones

FY-02

Contract Date (Month/CY)
Delivery Date (Month/CY)

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Exhibit P-40, Budget Item Justification	ion		Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item	Control Number		P-1 Line Item Nomenclature
Aircraft Procurement, Air Ford	ce, Budget Activity 04, Oth	ner Aircraft, Item No. 21	E-8C (Joint Stars)
Program Element for Code B Items:	N/A	Other Related Program Elements:	N/A

	•					•						
Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		N/A			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	13	1	1	1	0	0	0	0	0		16
Cost (\$ M)		3993.500	189.195	248.320	283.183	0.000	0.000	0.000	0.000	0.000		4714.198
Interim Ctr Support (\$ M)		0.000	25.609	0.000	0.000	0.000	0.000	0.000	0.000	0.000		25.609
Advance Proc Cost (\$ M)		841.100	36.000	45.580	49.000	0.000	0.000	0.000	0.000	0.000		971.680
Weapon System Cost (\$ M)		4834.600	250.804	293.900	332.183	0.000	0.000	0.000	0.000	0.000		5711.487
Initial Spares (\$ M)		287.187	61.270	28.021	28.419	1.839	3.187	3.887	0.625	1.180		415.615
Total Proc Cost (\$ M)		5121.787	312.074	321.921	360.602	1.839	3.187	3.887	0.625	1.180		6127.102
Flyaway Unit Cost (\$ M)		288.500	226.940	246.170	288.750							
Wpn Sys Unit Cost (\$ M)		305.100	281.035	293.900	332.183							

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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. We are 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. We are 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,

P-1 Shopping List Item No. 21

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

	01102/1001112	
Exhibit P-40, Budget Item Justification		Date: June 2001
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	E-8C (Joint Stars)
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity (Description Continued higher mission reliability, and maximize aircraft availability in suppor approved full rate production of a 19 E-8C program. The 93rd Air Co and the system is now participating in operational and training exercis production profile, the Air Force reduced Joint STARS production fro full funding for the 14th, 15th and 16th E-8C, while long lead funding FY 2002 Program Justification Funds for full procurement of the 16th aircraft, including associated supports the state of the system is not provided to the system of the 16th aircraft, including associated supports the system of the system of the 16th aircraft.	of the user's (ACC) mission. In Sep 96, the Defension of the User's (ACC) mission. In Sep 96, the Defension of the User's (ACC) mission. In Sep 96, the Defense of the 196, the Defense Review recommendation of the 1996 Quadrennial Defense Review recommendation of the 13 E-8Cs. However, the last several President for the 17th aircraft is authorized in FY02.	E-8C (Joint Stars) se Acquisition Board (DAB) Milestone III Review S Initial Operational Capability (IOC) in Dec 97, commended a revision of the Joint STARS
	P-1 Shopping List Item No. 21	Budget Item Justification

Exhibit P-40, page 2 of 6

Exhibit P-5, Weapon System Cost Ana	alysis							Date: Ju	ine 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Co	ontrol Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force	, Budget A	ctivity 04	, Other Ai	ircraft, Ite	m No. 21		E-8C (Join	nt Stars)		
Manufacturer's Name/Plant City/State Locati	ion	-		Subline Item			•	-		
Northrop Grumman Corporation Melbourne	Systems Division	on Melbouri	ne, FL							
Weapon System	Ident				Total Cos	t In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Airframe	A	1	125.250	125.250	1	136.488	136.488	1	150.269	150.269
Avionics	A	1	45.300	45.300	1	46.282	46.282	1	52.467	52.467
Connectivity	A	1	23.200	23.200	1	26.300	26.300	1	30.534	30.534
GFE (including A/C storage/demods)	A			5.200			5.200			12.539
Engineering Change Orders (ECO)	A			0.800			1.500			4.169
Nonrecurring Costs	A	1	9.900	9.900	1	10.100	10.100	1	10.675	10.675
Other Costs	A	1	17.290	17.290	1	20.300	20.300	1	28.097	28.097
FLYAWAY COST SUBTOTAL	A			226.940			246.170			288.750
Avionics PGSE	A			2.440			3.080			3.256
Peculiar Training Equipment	A			3.660			4.620			4.900
Publications/Technical Data	A			3.600			2.700			2.853
Pgm Mgmt Admin (PMA)	A			20.087			17.774			18.394
ICS (FY00 only)	A			16.861						
Other	A			7.324			9.708			10.610
SUPPORT COST SUBTOTAL	A			53.972			37.882			40.013
GROSS P-1 COSTS	A			280.918			284.052			328.763
Less: Prior Yr Adv Procurement	A			-35.609			-35.732			-45.580
Plus: Current Yr Adv Procurement	A			35.732			45.580			49.000
Net P-1 Total	A			281.034			293.900			332.183
Plus: INITIAL SPARES	A			61.271			28.021			28.419
Plus: MODs BP 11	A			24.152			33.585			82.995
TOTAL PROGRAM				366.464			355.506			443.597
Comments										
			P-1 Shoppin	a List Itam N	lo 21			Weapon	System Co	et Analysi

P-1 Shopping List Item No. 21

Weapon System Cost Analysis
Exhibit P-5, page 3 of 6

Location of RFP Issue Contract Contract Date of Specs Date Award First Available Revisions	Exhibit P-5A, Procurement	Histo	ry and Pla		С	ate: June	2001						
Subline Item Subl	• • • • • • • • • • • • • • • • • • • •								P-1 Line	Item Nome	nclature		
Second S	Aircraft Procurement,	Air F	orce, Bu	udget Acti	vity 04,	Other Ai	rcraft, Iten	n No. 21	E-8C	(Joint S	tars)		
Second S	Weapon System					Subline Ite	m						
VBS Cost Elements VBS Cost Ele	E-8C												
VRS Cost Elements Qty Unit Cost PCO Date Method Type Contractor and Location Date Delivery Now? Available?											Date of	Specs	Date
Weapon System				Location of	RFP Issue	Contract	Contract			Award	First	Available	Revisions
FY00	WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Type	Contractor and Loca	ntion	Date	Delivery	Now?	Available?
FY01	Weapon System												
FY02	FY00	1	281.035	ESC/JSK		SS	FPI	Grumman /Melbour	ne	May-00	Feb-03	Yes	
FY02	FY01	1	293.900	ESC/JSK		SS	FPI	Grumman /Melbour	ne	Mar-01	Apr-03	Yes	
FY00 N/A ESC/JSK SS FP Grumman /Melbourne Nov-99 N/A Yes FY01 N/A ESC/JSK SS FP Grumman /Melbourne Nov-00 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes Exemarks **Temarks** *		1				SS	FPI	Grumman/Melbourr	ne				
FY00 N/A ESC/JSK SS FP Grumman /Melbourne Nov-99 N/A Yes FY01 N/A ESC/JSK SS FP Grumman /Melbourne Nov-00 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes Exemarks **Temarks** *													
FY00 N/A ESC/JSK SS FP Grumman /Melbourne Nov-99 N/A Yes FY01 N/A ESC/JSK SS FP Grumman /Melbourne Nov-00 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes FY02 N/A ESC/JSK SS FP Grumman /Melbourne Nov-01 N/A Yes Exemarks **Temarks** *	Support												
FY01 N/A ESC/JSK SS FP Grumman / Melbourne Nov-00 N/A Yes FY02 N/A ESC/JSK SS FP Grumman / Melbourne Nov-01 N/A Yes Remarks Remarks Remarks Upport costs consists of items such as PSE, CSE, Training. Date of first delivery is lead time to support A/C delivery schedule. P-1 Shopping List Item No. 21 Procurement History and Planning		N/A		ESC/JSK		SS	FP	Grumman /Melbour	ne	Nov-99	N/A	Yes	
FY02 N/A ESC/JSK SS FP Grumman/Melbourne Nov-01 N/A Yes Atemarks upport costs consists of items such as PSE, CSE, Training. Date of first delivery is lead time to support A/C delivery schedule. P-1 Shopping List Item No. 21 Procurement History and Planning		+					FP	Grumman /Melbour	ne	Nov-00			
Remarks upport costs consists of items such as PSE, CSE, Training. Date of first delivery is lead time to support A/C delivery schedule. P-1 Shopping List Item No. 21 Procurement History and Planning	FY02	N/A				SS	FP	Grumman/Melbourr	ne	Nov-01	N/A	Yes	
upport costs consists of items such as PSE, CSE, Training. Date of first delivery is lead time to support A/C delivery schedule. P-1 Shopping List Item No. 21 Procurement History and Planning	n 1			•			•	•				•	
P-1 Shopping List Item No. 21 Procurement History and Planning		1	DOE COL			1 1' ' 1	1	/	1.1				
i i i i i i i i i i i i i i i i i i i	Support costs consists of items	such as	S PSE, CSE	E, Training. L	Date of first	delivery is i	ead time to su	pport A/C delivery sch	ieauie.				
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Exhibit P-21, Production	Sched	Jule																\bot				Da	ıte: ،	June	e 200	<u>U1</u>			
Appropriation (Treasury) Code/Co	C/BA/BS	3A/Item C	ontrol Nur	mber														P-1	Line	e Iter	m Nor	menc	latur	е					
Aircraft Procurement	t, Air	Force	։, Budç	jet Acti	vity	/ 04	, Ot	her	Air	rcra	aft,	<u>lter</u>	<u>n N</u>	lo. '	21			E-	8C	(J(oint	ւ St	ars)					ľ
PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2000	BALANCE DUE AS OF 1 OCT 2000	O C T	2000 N O V	D E C	J A N	FISC F E B	M A R	EAR 2 (A P R		NDAF J U N	R YEA J U L	AR 200 A U G	01 S E P	O C T	N O V	D E C	J A N	FISC F E B	CAL Y CAI M A R			YEAR 2 J U N	2002 J U L	A U G	S E P	L A T E R
1992	USAF	2	2	0	_	┌		\Box	⊏'	\sqsubseteq	\Box	\sqsubseteq	⊏'	⊏'	<u> </u>	⊏'	\sqsubseteq	\Box	\equiv	\Box	ш	\sqsubseteq	\sqsubseteq	\sqsubseteq	⊏'	⊏'	\Box	\Box	0
1994	USAF	2	2	0	— '	↓ —′	——'	—'	—'	igspace	igspace	—'	—'	—′	—'	—′	 -'	\longrightarrow		لــــا	ш	╙	igspace	—'	—′	—'	igspace	igwdapprox	0
1995	USAF	2	1	1	 —'	11	——'	-	₩	ightarrow	ightarrow	\vdash	 -'	—'	↓ —'	—′	ightharpoonup	\longrightarrow		,	$\boldsymbol{\longmapsto}$	igwdow		—′		—′	\vdash	\longrightarrow	0
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1998	USAF USAF	1	0	1 2	+'	+-	—	igwdapprox	\vdash	\vdash	\vdash	$\vdash \vdash$	—	—′	\vdash	—′	\vdash	$\overline{}$		$\overline{}$	$\overline{}$	$\overline{}$	${\color{red} \longleftarrow}$	\vdash	-	\vdash	\vdash	\longrightarrow	0
2000	USAF	1	0		 	-	-	\vdash	\vdash	\vdash	\vdash	-	$\vdash \vdash$	一	\vdash	$\vdash \vdash$	$\vdash \vdash$	$\overline{}$		\longrightarrow	$\overline{}$	$\overline{}$	$\overline{}$		\vdash	\vdash	\vdash		0
TOTAL	105/11	14	8		\top	\Box		\Box	\Box	\Box	\vdash		\vdash	-	\Box	\Box	\vdash	\vdash	1	$\overline{}$	\Box	$\overline{}$	$\overline{}$		\Box	\Box	$\overline{}$	1	0
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				PRODUCTIO	_		'	4		ļ	<u> </u>					PROC		MENT I	<u>LEAD</u>	<u>) TIM</u> I	<u>E</u>					—			
ITEM/MANUFACTURER'S NAME		LOCATIO		MIN SUST	SHIF HOU DAY	JRS	M A X	RF	EACHI D+	ED						!	ADN LEAD			i	MFG			ГОТАІ					
Northrop Grumman		Melbourne	e, Florida	1	5	1 - 8 -	5									PRI 1 O	IOR OCT	AFT) 1 OC			TIME			AFTEF 1 OCT					
					二						INITI				'	匚	2	\equiv	5	二		33	二		38				
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DEMARKS																													,

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

- 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.

P-1 Shopping List Item No. 21

Production Schedule Exhibit P-21, page 5 of 6

							ι	JNC	CLA	SS	iFil	ΕD																	
Exhibit P-21, Production	Sched	lule																				Da	ate: 、	June	2 0	01			
Appropriation (Treasury) Code/Co	C/BA/BS	A/Item C	ontrol Nur	mber														P-′	1 Line	e Iter	n No	men	clatur	е					
Aircraft Procurement	t, Air	Force	, Budg	get Acti	vity	<i>/</i> 04	, Ot	her	Ai	rcra	aft,	ltei	m N	lo.	21			E-	-8C	(Je	oin [.]	t St	tars	;)					
	S		ACCEP. PRIOR	BALANCE DUE		2002			FISC	CAL Y			MDAI	R YEA	P 200	13					FIS		YEAR LEND		EVD	2004	_		L A
PROCUREMENT YEAR	E R V	PROC. QTY	TO 1 OCT 2002	AS OF 1 OCT 2002	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	T E R
	USAF	1	0	1						1																			0
	USAF	1	0	1	<u> </u>	\vdash		⊢	<u> </u>	₩.	_	_	_	_		_	-		_			1	├ ─'	ሥ	igspace	ሥ	igwdapprox		0
TOTAL		2	0	2	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	0
				PRODUCTIO MIN	SHIF	T	M										UREM ADM	IIN		TIM	Е						_		
ITEM/MANUFACTURER'S NAME Northrop Grumman		LOCATIO)N	SUST	HOU DAY		A X	R	EACH D+	ED						PRI	LEAD OR	TIME AFT			MFG TIME		l A	FOTAI AFTEI 1 OCT	R				
Totaling Gramman											INIT	IAL				1 C		10											
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REMARKS																													
										—													—	—			—	—	

Production Schedule Exhibit P-21, page 6 of 6

Exhibit P-40, Budget Item	n Justifica	tion								Date: Ju	ne 2001	
Appropriation (Treasury) Code/C0	C/BA/BSA/Ite	m Control Numl	ber						P-1 Line Item N	omenclature		
Aircraft Procurement	t, Air For	ce, Budge	et Activit	y 04, Oth	ner Aircr	aft, Item	No. 22		E-8C (Joir	nt Stars)	Advance	
						•			<u>Procurem</u>	ent		
Program Element for Code B	Items:	N/A			Other Rela	ted Progran	n Elements:		N/A			
	ID Code	Prior Years	FY 2000	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	36.000	45.580	49.000							971.680
Weapon System Cost (\$ M)		841.100	36.000	45.580	49.000							971.680
Initial Spares (\$ M)												
Total Proc Cost (\$ M)		841.100	36.000	45.580	49.000							971.680
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)			·									

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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, and for aircraft P-17 in FY02.

FY 2002 Program Justification

Procures long lead items for a 17th aircraft or shutdown of the production line.

P-1 Shopping List Item No. 22

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

					UNC	CLASSIF	IED						
Exhibit P-10 p.1, Ad (Page 1 - Funding)	vance Pro	curement	Requirem	ents Anal	ysis						Date: June	∋ 2001	
Appropriation (Treasury) C Aircraft Procure				Activity ()4, Other	r Aircraft	, Item No	o. 22	E-	Line Item Nom 8C (Joint ocureme	Stars) A	dvance	
Weapon System						First Syster	n Award Da	ate		First Syste	m Completio	on Date	
E-8CAP							Apr	-92			Ma	r-96	
					(5	\$ in Millions	s)						
<u>Description</u>	<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	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
CFE			841.100	36.000	45.580	49.000							971.680
GFE													
									ı				
EOQ													
Design													
Term Liability													
TOTAL AP			841.100	36.000	45.580	49.000					<u> </u>		971.680
			041.100	30.000	45.560	49.000				ļ	<u> </u>		9/1.000
Description:													
The Joint STARS Prod		-		•	-			•	-		•	_	
with each Lot is active	•		•			-	•			_		STARS pro	gram are
aircraft refurbishment/r	modification	and electro	mics. The o	other item in	cluded in th	ne Advance	Buy funding	g is for conf	iguration	apdate activit	les.		

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

		UNCLA	SSIFIED			
Exhibit P-10 p.2, Advance F (Page 2 - Budget Justificati	Procurement Requirements Ar	nalysis			Date	e: June 2001
Appropriation (Treasury) Code/CC/B					P-1 Line Item Nomencla	ture
	Air Force, Budget Activity	y 04, Other Air	craft, Item No	. 22	E-8C (Joint Sta	
·		•	·		Procurement	,
Weapon System						
E-8CAP						
		(TOA, \$ i	n Millions)			
					2002 Contract	I
<u>Description</u>	PLT	<u>QPA</u>	<u>Unit Cost</u>	2002 QTY	Forecast Date	
End Item	12	1			0	0.000
CFE	<u> </u>	Т		1	0.1	0.000
GFE					0	0.000
GPL					0	0.000
EOQ					0	0.000
Design					0	0.000
Term Liability					0	0.000
TOTAL AP						0.000
	·	<u>.</u>				·
<u>Description:</u>						

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	Justificat	tion								Date: Ju	ne 2001	
Appropriation (Treasury) Code/C0	C/BA/BSA/Ite	m Control Num	ber					I	P-1 Line Item	Nomenclature		
Aircraft Procurement	, Air For	ce, Budg	et Activi	ty 04, Ot	her Aircr	aft, Item	No. 23		E-8C (Jo	int Stars)	ICS	
Program Element for Code B	Items:	N/A			Other Rela	ted Progran	n Elements:					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 200	5 FY 2007	To Comp	Total
Proc Qty	A											
Cost (\$ M)												
Interim Ctr Support (\$ M)			25.609									25.609
Advance Proc Cost (\$ M)												
Weapon System Cost (\$ M)			25.609									25.609
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			25.609									25.609
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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. Funding for the 14th and 15th E-8C provided during the FY00 and FY01 budget cycles. Funding for the 16th E-8C is included in FY 02.

FY 2002 Program Justification

P-1 Shopping List Item No. 23

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

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 24	High Altitude Endurance - UAV

Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A		0	0	2	2	2	2	2	2	TBD	TBD
Cost (\$ M)			0.000	0.000	85.427	86.710	90.515	103.527	105.816	148.616	TBD	TBD
Advance Proc Cost (\$ M)				22.183	33.500	20.000	8.800	8.700			TBD	TBD
Weapon System Cost (\$ M)			0.000	22.183	118.927	106.710	99.315	112.227	105.816	148.616	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)			0.000	22.183	118.927	106.710	99.315	112.227	105.816	148.616	TBD	TBD
Flyaway Unit Cost (\$ M)					43.500	41.600	47.700	37.600	47.900	41.700	TBD	TBD
Wpn Sys Unit Cost (\$ M)					53.805	60.105	55.258	56.163	57.258	74.308	TBD	TBD

Description

Note: FY03-07 Budget numbers do not reflect the DoD strategic review results.

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) and Ground Moving Target Indicator (GMTI), 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 to standoff, operate in low-to-moderate air defense threat environment, 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 intends to award a logistics support contract to fund all 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,

P-1 Shopping List Item No. 24

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

Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 24	High Altitude Endurance - UAV

Description Continued

data, support equipment, and training. These costs fluctuate throughout the FYDP due to the timing of GS purchases.

FY 2002 Program Justification

The 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, directing the Air Force to initiate engineering, manufacturing, development (EMD) and LRIP. The Global Hawk EMD program initiated spiral development in FY01. EMD will initially bring the Global Hawk System to a Block 5 configuration (initial operational capability). These Block 5 aircraft will be operationally supportable systems and allow for spiral development of sensors and other capabilities. The program will continue spiral development to enhance the design of the system to a Block 10 configuration to meet Operational Requirement Document (ORD) performance and capabilities. In FY02, the Global Hawk production program will commence procurement of two Block 5 air vehicles and one MCE (with advance procurement in FY01 and delivery in FY03). During the FYDP, the program may include Spiral Development capabilities on production aircraft that are available for acceleration during EMD.

In FY02, additional funds were given for advanced procurement of 2 more A/Vs for the FY03 buy, bringing the FY03 buy up to 4 A/Vs and 1 LRE. However, FY03-FY07 budget numbers do not reflect the DoD strategic review results.

P-1 Shopping List Item No. 24

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

Exhibit P-5, Weapon System Cost Analysi	s							Date: Ju	ne 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	udget Ac	ctivity 04	1, Other A	ircraft, Ite	m No. 24	4	High Altit	<u>ude Endւ</u>	<u>ırance - U</u>	AV
Manufacturer's Name/Plant City/State Location				Subline Item	ı					
Ryan Aeronautical Center, San Diego, CA										
Weapon System	Ident				Total Co	st In Millions	s of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				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						22.183			
Procurement of 2 air vehicles and 1 MCE	A							2	53.805	107.610
Adv Procurement - Debit/Credit	A									11.317
TOTAL PROGRAM							22.183			118.927
Comments										

P-1 Shopping List Item No. 24

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

Exhibit P-5A, Procuremen	t Histo	ry and Pl	anning							Date: June	2001	
Appropriation (Treasury) Code/CC								P-1 Line	Item Nome	nclature		
Aircraft Procurement,	, Air F	orce, B	udget Act	ivity 04,	Other Ai	rcraft, Iter	n No. 24	High	Altitude	e Endura	ance - U	AV
Weapon System					Subline Ite	m						
HAEUAV												
				RFP Issue	Contract	Contract			Award	Date of First	Specs Available	Date Revisions
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Locat	tion	Date	Delivery	Now?	Available?
FY2001	+			<u> </u>	~ ~				7 01			27/1
Long lead for 2 Global Hawks (FY02)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca		Jun-01		No	N/A
Long lead for 1 MCE (FY02)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca		Jun-01		No	N/A
FY2002												
Global Hawk	2		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca		Nov-01	Apr-03	No	N/A
MCE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca		Nov-01	Apr-03	No	N/A
Long lead for 4 Global Hawks (FY03)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	enter,	Mar-02		No	N/A
Long lead for 1 LRE (FY03)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	enter,	Mar-02		No	N/A
FY2003							Í					
Global Hawk	4		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca		Nov-02	Apr-04	No	N/A
LRE	1		ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	enter,	Nov-02	Apr-04	No	N/A
Long lead for 2 Global Hawks (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	,	Mar-03		No	N/A
Long lead for 1 MCE (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	enter,	Mar-03		No	N/A
Long lead for 1 LRE (FY04)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, Ca	enter,	Mar-03		No	N/A
FY2004												
Global Hawk	2		ASC/RAK		SS	FPI	Ryan Aeronautical C	enter,	Nov-03	Apr-05	No	N/A

P-1 Shopping List Item No. 24

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

Exhibit P-5A, Procuremen	t Histo	ory and Pla	anning						Date: June	2001	
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			Location of	1	Contract	Contract		Award	Date of First	Available	Date Revision
WBS Cost Elements	Qty	Unit Cost	PCO	Date	Method	Туре	Contractor and Loca Rancho Bernardo, C.	 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 2 Global Hawks (FY05)			ASC/RAK		SS	FPI	Ryan Aeronautical C Rancho Bernardo, C.	Mar-04		No	N/A
FY2005											
Global Hawk	2		ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C.	Nov-04	Apr-06	No	N/A
Long lead for 2 Global Hawks (FY06)			ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C.	Mar-05		No	N/A
Long lead for 1 MCE (FY06)			ASC/RAK		SS	TBD	Ryan Aeronautical C Rancho Bernardo, C.	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											

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Global Hawk

Long lead for 2 Global

Hawks (FY07)

Global Hawk

FY2007

MCE

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P-1 Shopping List Item No. 24

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

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		ASC/RAK		SS	TBD	Ryan Aeronautical Cer Rancho Bernardo, CA	iter, Mar-)7	No	N/A
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An RFP for the future LRIP contract was issued 3 May 01.

Exhibit P-5A, Procurement History and Planning

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

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; six to eight months for long lead of air vehicles or ground station 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.

P-1 Shopping List Item No. 24

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

Date: June 2001

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No deliveries of production air vehicles until FY03. Total lead time for air vehicles and ground stations is 25 months from receipt of order; six to eight months for long lead of air vehicles or ground station components and 16-18 months for fabrication and assembly (estimate).

P-1 Shopping List Item No. 24

Production Schedule Exhibit P-21, page 7 of 18

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These production rates are for the ground station components only and are separate from the air vehicle production rates. The minimum would be for either and MCE or LRE.

P-1 Shopping List Item No. 24

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P-1 Shopping List Item No. 24

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Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001	
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Program Element for Code B	Items:		N/A									
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Weapon System Cost (\$ M)			0.000	22.183	33.500	20.000	8.800	8.700	0.000	0.000		93.183
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			0.000	22.183	33.500	20.000	8.800	8.700	0.000	0.000		93.183
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

Note: FY03-07 Budget numbers do not reflect the DoD strategic review results.

The Global Hawk program consists of the RQ-4A unmanned air 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. The Global Hawk air vehicle (A/V) 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) and Ground Moving Target Indicator (GMTI), along with an Electro-Optical (EO) Infrared Radar (IR) camera. It is designed to provide up to 40,000 sq. nmi. of search radar imagery and Electro-Optical (EO) or Infrared Radar (IR) imagery per mission. The Global Hawk UAV is designed to standoff, operate in low-to-moderate air defense threat environment, and collect imagery while looking deep into high threat areas.

FY 2002 Program Justification

The 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, directing the Air Force to initiate EMD and LRIP. The Global Hawk EMD program initiated spiral development in FY01. EMD will initially bring the Global Hawk System to a Block 5 configuration (initial operational capability). These Block 5 air vehicles will be operationally supportable systems and allow for spiral development of sensors and other capabilities. The program will continue spiral development to enhance the design of the system to a Block 10 configuration to meet ORD requirements. In FY02, the Global Hawk production program will commence procurement of two Block 5 air vehicles and one MCE (with advance procurement in FY01 and delivery in FY03). During the FYDP, the program may include on its production vehicles any Spiral Development capabilities available for acceleration during EMD.

P-1 Shopping List Item No. 25

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

01(02/10011122	
Exhibit P-40, Budget Item Justification	Date: June 2001
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. 25	High Altitude Endurance - UAV
7 morant 1 100anonioni, 7 m 1 0100, 2 aa got 7 ton 111, 0 1, 0 ano, 7 m 0 ani, 110 ii 20	Advance Procurement
	Advance Procurement
FY 2002 Program Justification Continued	
Funds are for advance procurement of 2 more A/Vs for the FY03 buy, bringing the FY03 buy up to 4 A/Vs and 1 LRE	E. However, FY03-FY07 budget numbers do not
reflect the DoD strategic review results.	
P-1 Shopping List Item No. 25	Budget Item Justification
	Exhibit P-40, page 2 of 4
	=:::::::::::::::::::::::::::::::::::::

Exhibit P-10 p.1, A (Page 1 - Funding)		ocurement	Requirem	nents Anal	ysis		, <u> </u>				Date: June	2001	
Appropriation (Treasury) Aircraft Procure					04, Other	r Aircraft	i, Item No	o. 25	Hig			ance - UA	٩V
Weapon System						First System	m Award Da	ate		First Syster	m Completic	on Date	
HAE_AP							Jun-	-01			Jun-	-03	
					(5	\$ in Millions	s)						
<u>Description</u>	<u>PLT</u>	When Rqd	<u>Prior</u> <u>Years</u>	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	<u>Total</u>
End Item Qty					0	2	4	2	2	2	2	TBD	14
CFE		↓		<u> </u>	21.864	33.500	+ +	8.800	8.700	0.000	0.000	TBD	92.864
GFE				'	0.319	0.000	0.000	0.000	0.000	0.000	0.000	TBD	0.319
EOQ					N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
Design					N/A	N/A	N/A	N/A	N/A	N/A	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					22.183	33.500	20.000	8.800	8.700	0.000	0.000	0.000	93.183
Descriptions													

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

P-1 Shopping List Item No. 25

Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 3 of 4

			ASSIFIED				
Exhibit P-10 p.2, Advance (Page 2 - Budget Justificat	Procurement Requirements tion)	Analysis				Date: Jui	ne 2001
Appropriation (Treasury) Code/CC/Aircraft Procurement,	/BA/BSA/Item Control Number , Air Force, Budget Activ	ity 04, Other A	ircraft, Item No.	. 25	High	e Item Nomenclature Altitude Endu	
Weapon System HAE_AP							
		(TOA, S	\$ in Millions)				
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	2002 OTY		2002 Contract Forecast Date	2002 Total Cost Request
End Item					2		118.927
CFE						Mar-02	33.500
GFE							
						1	
EOQ							TBD
Design			+	+			TBD
Term Liability							TBD
Term Liability TOTAL AP							33.500
Description:	ogram needs advance procurement	of 4 A/Vs and 1 LRI	E for the FY03 buy.				

Exhibit P-40, Budget Item	Justificat	ion								Date: Jun	e 2001	
Appropriation (Treasury) Code/CC	C/BA/BSA/Iten	n Control Numl	per					P-1	Line Item No	menclature		
Aircraft Procurement	, Air For	PF	REDATO	R UAV								
Program Element for Code B	Items:	35205F			Other Relat	ed Program	Elements:		27245F			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A	49	7	7	6	7	7	8	9	9	TBD	TBD
Total Proc Cost (\$ M)		265.503	57.369	31.785	19.632	23.428	24.187	28.090	32.005	32.793	TBD	TBD

Description

FY03-FY07 budget numbers do not reflect DoD's strategic review results.

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. In addition, Air Force funded the procurement of a permanent laser designator for use with precision guided munitions in FY02.

FY 2002 Program Justification

Procurement funding includes system production, production support, engineering services, and acceptance testing and evaluation. FY00 procured one system, attrition air vehicles, and ice protection kits. 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. 26

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

Exhibit P-5, Weapon System Cost Analysis	š						i	Date: Ju	une 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	Iomenclature				
Aircraft Procurement, Air Force, Bu	ıdget Ar	ctivity 04	, Other A	rcraft, Iter	m No. 26	<u> </u>	PREDATO	OR UAV				
Manufacturer's Name/Plant City/State Location				Subline Item								
General Atomics ASI/Rancho Bernardo/CA				<u> </u>								
Weapon System	Ident				Total Cos	st In Millions	of Dollars					
Cost Elements Code FY 2000 FY 2001 FY 2002												
	1	! !		Total			Total	<i>[</i>		Total		
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost		
System: Air Vehicles, Data Links, SARs, GCS,	A	7 '	1	54.869			<i> </i>	1				
PPSL		!	<u> </u>		'			'				
Air Vehicles	A	!	<u> </u>		7		31.435	6		17.332		
P3I	A	!	<u> </u>		'	<u> </u>		 '		1.200		
Production Support	A	!	<u> </u>		'		0.350	<u> </u>		0.350		
Interim Contractor Logistic Supprt	A	!	<u> </u>		'			<u> </u>				
Integrated Logistics Support*	A	!	<u> </u>	1	'			<u> </u>		0.750		
Laser Targeting Designator**	A	!	<u> </u>	2.500	'			'				
		!	<u> </u>		'			<u> </u>				
TOTAL PROGRAM		!	<u> </u>	57.369	'		31.785	'		19.632		
Comments												
*Integrated Logistics Support includes Spares.												
** EV00 Congressional add to integrate existing to	locar dacia	notore with I	CD conchilit	•								

P-1 Shopping List Item No. 26

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

FY00 Congressional add to integrate existing laser designators with ISR capability.

Exhibit P-5A, Procurement	Histo	ry and Pl	anning						Date: June	2001	
Appropriation (Treasury) Code/CC/E								P-1 Line Item Nom			
Aircraft Procurement,	Air F	orce, B	udget Acti	vity 04,	Other Ai	rcraft, Iter	n No. 26	PREDATOR	UAV		
Weapon System					Subline Ite	m					
PRED											
WBS Cost Elements	Otv	Unit Cost	Location of PCO	RFP Issue	Contract Method	Contract Type	Contractor and Loca	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available
FY 1998	20	CIRC COSt		Butt	T-TO LITO C	Турс	Contractor and Eoc		Benvery	110111	TTVUITUOIC
GCS/General Atomics ASI	2		ASC/RAKB		SS	FPI	General Atomics	Mar-98	Mar-00	Yes	
A/V/General Atomics ASI	16		ASC/RAKB		SS	FPI	General Atomics	Mar-98	Sep-99	Yes	
SAR/Northrup Grumman	27		CECOM		SS	FFP	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 ASI	1		ASC/RAKB		SS	FPI	General Atomics	Aug-99	Jan-01	Yes	
A/V/General Atomics ASI	11		ASC/RAKB		SS	FPI	General Atomics	Aug-99	Nov-00	Yes	
SAR/Northrup Grumman	24		CECOM		SS	FFP	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 ASI	1		ASC/RAKB		SS	FPI	General Atomics	Dec-99	Nov-01	Yes	
A/V/General Atomics ASI	7		ASC/RAKB		SS	FPI	General Atomics	Dec-99	Oct-01	Yes	
FY 2001											
A/V/General Atomics ASI	7		ASC/RAKB		SS	FFP	General Atomics	Dec-00	Jun-02	Yes	
FY 2002											
A/V/General Atomics ASI	6		ASC/RAKB		SS	FFP	General Atomics	Dec-01	Jan-03	Yes	
FY 2003											

P-1 Shopping List Item No. 26

Procurement History and Planning Exhibit P-5A, page 3 of 12

Exhibit P-5A, Procuremen	t Histo	ry and Pl	anning				Γ	Date: June	2001			
Appropriation (Treasury) Code/CC/Aircraft Procurement,				:-:4:01	Other Ai		- No 26		e Item Nome			
Aircrait Procurement,	, All F	orce, bi	Jaget Acti	VILY U4,	Uther Air	Crait, iteii	1 NO. 20	PKE	DATUK	UAV		
Weapon System					Subline Iter	m Continued						
WBS Cost Elements	Qty	Unit Cost		RFP Issue Date	e Contract Method	Contract Type	Contractor and Loca	ation	Award Date	Date of First Delivery	1 1	Date Revisions Available?
A/V/General Atomics ASI	7		ASC/RAKB	+	SS	FFP	General Atomics		Dec-02	Nov-03	Yes	
FY 2004	'	<u> </u>	<u> </u>	<u> </u>	<u> </u>				<u> </u>	<u> </u>		<u> </u> /
A/V/General Atomics ASI	7		ASC/RAKB		SS	FFP	General Atomics		Dec-03	Nov-04	Yes	
FY 2005	T '											
A/V/General Atomics ASI	8		ASC/RAKB		SS	FFP	General Atomics		Dec-04	Nov-05	Yes	
FY 2006	1											
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												
1. A system is comprised of for PPSL was procured seperat The SAR was procured sep 2. The FY98, FY99 and FY00	tely unde perately t	ler a contrac under a con	ct with L-3 Co ntract with No	omm. orthrup Grun	mman (3 SAl	Rs per system)	,					
				<u></u>	<u></u>							

P-1 Shopping List Item No. 26

Procurement History and Planning Exhibit P-5A, page 4 of 12

Exhibit P-21, Production	Sched	lule																				Da	ate:	June	e 20	01			
Appropriation (Treasury) Code/C	C/BA/BS	A/Item C	ontrol Nui	mber														P-1	Line	e Iten	n Noi	meno	clatur	е					
Aircraft Procuremen	t, Air	Force	, Budg	get Acti	vity	04	, Ot	her	Aiı	cra	aft,	lter	m N	lo.	26			PI	REI	DA ⁻	ΤΟΙ	R U	ΑV						
	S		ACCEP.	BALANCE		2000			FISC	AL Y	EAR 2			XX	D 200						FISC		EAR		E+P	2002			L
PROCUREMENT YEAR	E R	PROC. OTY	PRIOR TO	DUE AS OF	0	2000 N	D	J	F	M	Α	M M	NDAF J	J J	AR 200 A	S	0	N	D	J	F	M	LENI A	M M	EAR I	J	A	S	A T
	V	QII	1 OCT 2000	1 OCT 2000	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	C T	O V	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P	E R
1998	USAF	4	4	0																									0
1999	USAF	2	2	0																									0
TOTAL		6	6	0																									0
					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	
					Т	V	С	N	В	R	R	Y	N	L	G	P	Т	v	С	N	В	R	R	Y	N	L	G	P	
				PRODUCTIO	N RA	TES										PROC	UREM	IENT	LEAD	TIM	E								
				MIN SUST	SHIF		M A	DI	EACH	ED							ADN	MIN TIME					,	ГОТА	T				
ITEM/MANUFACTURER'S NAME		LOCATIO)N	3031	DAY		X	"	D+	LD							LLAD	THVIL			MFG			AFTE					
PPSL/L-3 Comm		Salt Lake			1-8		4		D								OR	AFT		,	TIME			1 OCT					
								ł			INITI	TAT				10	CT	100	CT			14	 		20				
											REO						1		1			14			15				

- 2. SAR--Three SAR per four air vehicles. Life-time buy of SAR due to DMS issue. (Level A/C buys).
- 3. Air Vehicle represented include system and/or attrition air vehicles.
- 4. Minimum air vehicle sustaining production rate is seven air vehicles per 12 month period.
- 5 Maximum production rate is 1.5 air vehicles per month; 18 per year.

P-1 Shopping List Item No. 26

Production Schedule Exhibit P-21, page 5 of 12

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

	, 0.4 O4k				D 4 Line									
	, 04 Oth	_			P-1 Line	Item Nomeno	lature							
craft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 26 S														
		FISCAL Y							L					
	2000		CALENDAR YEAR 2001	1 . 1 .		CA	LENDAR YEAR		- A					
1 -	N D E	J F M A E A	A M J J A S P A U U U E		O E	A E A	A M J P A U	J A S U U E	E E					
2000 T	V C	N B R	R Y N L G P	T	V C	N B R	R Y N	L G P	R					
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24	 	2 2 2	2 2 2 3 3	3 3	3		\longrightarrow		 0					
32 2	2 2	2 2 2	2 2 2 3 3	3 3	3 5	<u>, , , , , , , , , , , , , , , , , , , </u>	1 1 1							
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[]		A E A	P A U U U E		O E	A E A	P A U	UUE						
PRODUCTION RATI	TES	NDK	PRO	CUREME	NT I FAD	TIME	KIIIN	LIGIP						
MIN SHIFT			T KC	ADMI		THVIL								
SUST HOURS		REACHED		LEAD TI			TOTAL							
DAYS	$\mathbf{r} \mathbf{s} \mid \mathbf{x} \mid$	D+				MFG	AFTER							
7 1-8-	-8-5 27		P	RIOR	AFTER	TIME	1 OCT							
			_ 1	OCT	1 OCT			ĺ						
			INITIAL	6	6	14	20							
			REORDER	1	1	14	15							
-				INITIAL	INITIAL 1 OCT 6	1 OCT 1 OC	1 OCT 1 OC	1 OCT 1 OC	1 OCT 1 OC					

P-1 Shopping List Item No. 26

Production Schedule Exhibit P-21, page 6 of 12

							Į	UNC	SLA	\SS	SIFII	ΕD																	
Exhibit P-21, Productio	n Sched	dule																				D	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/	CC/BA/BS	SA/Item C	ontrol Nu	mber														P-	1 Lin	e Ite	m No	men	clatur	re					
Aircraft Procureme					vity	y 04	, Ot	her	· Ai	rcra	aft,	Ite	m N	lo.	26								JAV						
	S E	PROC.	ACCEP. PRIOR	BALANCE DUE		2000)		FISC	CAL Y	EAR 2	2001 Cale	ENDA	R YE	AR 20					Ļ		C.	YEAR ALENI	DAR Y					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	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
1998	USAF	16	16		_	Щ'	ــــــ	—	↓				_								—	_	—	—	Ь—	Ь—	Ь—		0
1999	USAF	11	0		—	1	1	$\frac{1}{1}$	1	1	1	1	1	1	1	1					₩	₩	—	₩	╙	└	Ь—		0
2000	USAF	7	0			—	—	—	—	<u> </u>	-		<u> </u>		<u> </u>	ļ	1	1	1	1	1	1	1	—	—	—	—		0
2001	USAF	7	0		_	₩	—	—	₩	₩	_		<u> </u>								╄	₩	—	₩	1	1	1	1	3
2002	USAF	6	0		_	 -'	—	$+\!-$	$+\!-$	\vdash	-	<u> </u>	+	-	+	-	-		<u> </u>	1	\vdash	\vdash	$+\!-$	\leftarrow	—	—	—	\vdash	6
2003	USAF	7	0			+′	—	+-	+-	\vdash	\vdash	<u> </u>	\vdash	\vdash	+-	-			\vdash	├	\vdash	\vdash	+-	\leftarrow	\vdash	—	\vdash	\vdash	7
2004	USAF	7	0		_	+'	—	+-	+-	-	-	├	+	├	╀—	<u> </u>	⊢	<u> </u>	<u> </u>	<u> </u>		\vdash	₩	₩	—	——'	—	\vdash	7
2005	USAF	8	0			$+\!-\!\!\!-$	—	₩	₩	-			-		-					1	+	-	₩	₩	₩	├ ─	├		8
2006	USAF	9	0		_	$+\!-\!\!-\!\!\!-$	—	┼	\leftarrow	-	-	_	+	-	+	-	_	_	├	-	-	-	+-	₩	⊢	├─	₩	-	9
2007	USAF	9	0		_	┿	-	┿	₩.	⊢.	₩.	<u> </u>	₩.	—	₩.	-	<u> </u>	<u> </u>	<u> </u>	<u> </u>	٠.	₩.	+	—	H-		-		9
TOTAL		87	16	71	0	l N	D D	1 J	F	1 M	A A	1 M	<u>1</u> Ј	<u>1</u> Ј	A A	S	0	N N	D D	1 J	1 F	M M	1 A	M	1 J	1 J	1 A	S	49
				PRODUCTION	C T ON RA	O V ATES	E C	A N	E B	A R	P R	A Y	U N	U L	U G	E P PROC	C T CURE	O V MENT	E C	A N D TIM	E B	A R	P R	A Y	U N	U L	U G	E P	
ITEM/MANUFACTURER'S NAME		LOCATIO	ON	MIN SUST	SHII HOU DAY	JRS	M A X	R	EACH D+	IED							AD LEAD	MIN TIMI	Ξ		MFG			TOTA AFTE					
A/V/General Atomics ASI		Rancho B	ernardo, CA	7	1-	8-5	18	\blacksquare			1						IOR OCT		ΓER OCT		TIME	1		1 OCT					
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REMARKS		1									IKEO	KDEN														_			

Production Schedule Exhibit P-21, page 7 of 12

								<u>JNC</u>	<u> </u>	<u> ASS</u>	<u>IFI</u> ر	<u> ED</u>																	
Exhibit P-21, Production	Sched	Jule																I				D٤	ate:	Jun	e 20	01			
Appropriation (Treasury) Code/C	C/BA/BS	3A/Item C	ontrol Nu	mber														P-	1 Lin	ne Iten	m Nc	men	clatu	re					
Aircraft Procuremen					vity	<i>y</i> 04	, Ot	<u>he</u> r	<u> A</u> i	rcr	aft,	Ite	<u>m N</u>	lo.	26			Р	RE	DA	<u>TO</u>	R U	JAV	<u>/</u>					
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Production Schedule Exhibit P-21, page 8 of 12

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Exhibit P-21, Production	n Sched	dule																				D:	ate:	June	e 20	01			
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Exhibit P-21, Production	Sched	lule																I				Da	ate:	Jun	e 20	01			
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P-1 Shopping List Item No. 26

Production Schedule Exhibit P-21, page 10 of 12

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Exhibit P-21, Production	Sched	lule																				Da	ate:	Jun	e 20	01			
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Production Schedule Exhibit P-21, page 11 of 12

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Production Schedule Exhibit P-21, page 12 of 12

FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 06 – AIRCRAFT SPARES AND REPAIR PARTS JUNE 2001

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Exhibit P-40, Budget Item	Justification	on								Date: Jun	e 2001	
Appropriation (Treasury) Code/CC	/BA/BSA/Item	Control Number	er									
Aircraft Procurement	, Air Forc	e, Budge	t Activity	06, Aircr	aft Spare	s and Re	pair Parts	s, Ai	rcraft Spa	ares and	Repair Pa	arts
Item No. 65	•	, •	Í	•		•						
Program Element for Code B	Items:	N/A			Other Relat	ed Program I	Elements:		N/A			
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)			440.417	353.594	321.539	289.505	243.222	201.498	206.906	181.297		2237.978

Description

Aircraft Initial Spares (Budget Program 160000):

Note that the FY03 - FY07 budget estimates do not reflect DoD's strategic review results.

This program finances whole spare engines and modules and reparable investment items including some items being newly introduced to the Air Force Inventory. Beginning in FY94, most initial spares were procured through the Working Capital Funds (WCF). When the spares are delivered, this central procurement account will reimburse WCF. Initial spares are funded in the two program segments described below.

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

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

FY 2002 Program Justification

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

Initial Spares for several programs (e.g., C-130J, C-17, and F-22) are funded under the Reengineered Supply Support Program (RSSP) in BP10.

The bulk of the remaining funds are in B-2 Squadrons, Manned Reconnaisance, AWACS, and KC-135

P-1 Shopping List Item No. 65

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

Exhibit P-5, Weapon System Cost Analysis								Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N		ivity oc	Airereft Cr		Danair D	- w4 -	Airereft Cr		d Danair Da	- w4 -
Aircraft Procurement, Air Force, Bu	aget Act	ivity 06,	Aircraft Sp	pares and	Repair P	arts,	Aircraft Sp	pares and	a Repair Pa	arts
Item No. 65 Manufacturer's Name/Plant City/State Location				Subline Item						
Withhard City/State Location				Buomic Item						
Weapon System	Ident			·	Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 2000			FY 2001	_		FY 2002	
		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	Α									
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment (PGSE)	A									
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
INITIAL SPARES (Budget Program 16)	A			440.417			353.594			321.539
TOTAL PROGRAM										
Comments										
			P-1 Shoppii	ng List Item	No. 65			-	System Cos	-
									Exhibit P-5, p	age 2 of 5

Exhibit P-18A, Init	tial Spare Funding Summary		Date: June	2001									
Appropriation (Treasury	C) Code/CC/BA/BSA/Item Control Number		1										
Aircraft Procur	ement, Air Force, Budget Activity 06, Aircraft Spare	es and Repair Parts,	Aircraft Spares and R	epair Parts									
tem No. 65		•		•									
nitial Spare Fundi	ng Summary		•										
P-1 LINE	END ITEM NOMENCLATURE	FY 2000	FY 2001	FY 2002									
1	B-52 Squadron	1.253	3.200	2.270									
2	B-1 Squadrons	27.912	18.259	15.36									
3	B-2 Squadrons	59.750	43.103	58.71									
4	ICBM Helicopter Support	0.257	0.000	0.00									
5	F-15A/B/C/D Squadrons	14.168	21.365	12.73									
6	A-10 Squadrons	3.892	0.500	0.720									
7	F-16 Squadrons	60.761	75.192	24.892									
8	F-15 E Squadrons	45.836	12.594	1.212									
9	Combat Rescue and Recovery	0.330	1.000	1.10									
10	Precision Attack Systems (LANTIRN)	0.000	1.193	0.00									
11	COMPASS CALL	8.693	8.072	12.34									
12	Airborne Warning and Control Systems (AWACS)	17.777	18.031	28.34									
13	Airborne Battlefield Command Control Center	1.391	0.484	0.00									
14	Advanced Communications Systems	0.379	0.000	0.00									
15	Combat Training Range Equipment	0.000	1.256	1.37									
16	Common Electronic Countermeasures	0.000	0.717	0.15									
17	JOINT STARS	60.950	31.020	26.364									
18	Combat Development	0.000	0.100	0.12:									
19	E-4B National Airborne Operations Center	0.749	2.160	1.12									
20	MILSATCOM Terminals	2.776	4.334	0.00									
	21 Aerial Targets 2.738 0.610												
22	Manned Reconnaissance System	51.561	56.240	0.10 53.15									
23	C-130 Airlift Squadrons	3.087	0.000	9.32									
24	C-141 Airlift Squadrons	0.040	0.000	0.00									
25	C-5 Airlift Squadrons	1.045	4.920	1.73									
26	C-17 Aircraft	25.916	3.138	0.00									
27	C-130J Program	0.000	0.000	0.00									
28	Airlift Mission Activities	0.000	1.941	0.64									
29	KC-135S	39.236	17.823	27.49									
30	KC-10S	1.754	2.344	0.54									
31	Operational Support Airlift	2.378	1.000	3.93									
32	CV-22	0.000	16.960	26.39									
33	Training	3.388	0.889	0.40									
34	Podded Recon Systems	0.000	0.000	0.47									
J 1	-		·										
	P-1 Shoppi	ing List Item No. 65		e Funding Summar									
			Exhib	it P-18A, page 3 of									

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Exhibit P-18A, Ini	itial Spare Funding Summary		Date: Ju	une 2001
Appropriation (Treasury	y) Code/CC/BA/BSA/Item Control Number			
Aircraft Procui	rement, Air Force, Budget Activity 06, Aircraft Spare	es and Repair Parts,	Aircraft Spares and	d Repair Parts
Item No. 65		• •	·	•
P-1 LINE	END ITEM NOMENCLATURE	FY 2000	FY 2001	FY 2002
35	GPS	0.000	0.000	2.802
36	Depot Maintenance (NON-IF)	0.000	0.000	0.104
37	Undergraduate Pilot Training	2.400	5.100	5.763
38	Undergraduate Navigator / NFO TNG	0.000	0.049	0.049
39	EURO-NATO Joint Jet Pilot Training	0.000	0.000	0.018
40	Precision Attack System Procurement (PRCATK)	0.000	0.000	1.225
42	CLOVER	0.000	0.000	0.011
43	Endurance Unmanned Aerial Vehicles	0.000	0.000	0.504
	TOTAL INITIAL SPARES	440.417	353.594	321.539

P-1 Shopping List Item No. 65

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

Exhibit P-18A, Ir	nitial Spare Funding	Date: June	2001	
	ury) Code/CC/BA/BSA/Item Control Number			
Aircraft Procu	urement, Air Force, Budget Activity 06, Aircraft Spa	Aircraft Spares and R	epair Parts	
Item No. 65			•	
Initial Spare Fund	ling			
P-1 LINE	END ITEM NOMENCLATURE	FY 2000	FY 2001	FY 2002
	WCF SPARES	240.377	119.049	150.789
	EXEMPT SPARES	200.040	234.545	170.750
	TOTAL INITIAL SPARES	440.417	353.594	321.539
	D-1 Shon	ping List Item No. 65	In	itial Spare Funding
	r-1 9110p	ping List item No. 03	III Estatus	Huai Opaie i uliulily
			Exhibi	t P-18A, page 5 of 5

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FY 2002 AMENDED BUDGET SUBMISSION BUDGET ACTIVITY 07 – AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES JUNE 2001

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FY 2002 AMENDED BUDGET SUBMISSION BP 12 – APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) JUNE 2001

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001										
APPROP CODE/BA	:			P-1 NOM	P-1 NOMENCLATURE:					
APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)					REPLACEMENT	SUPPORT EQ	UIPMENT (OVE	RVIEW)		
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007		
QUANTITY										
COST (in Thousands)	\$179,002	\$176,319	\$211,334	\$168,360	\$193,844	\$194,921	\$196,991	\$200,688		
aircraft. These items, of maintenance and service life of a weapon system failures, cannot be econobsolete or must be reptest stations, air conditionant test equipment. These 2. Items requested in Fover \$5 Million dollars needed to support currents. 3. This administration										
P-1 ITEM NO: 66 PAGE NO: Page 1 of 1										

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

DATE: JUNE 2001

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

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

PROCUREMENT ITEMS	ID	FY2000		FY2001		FY2002		FY2003	
PROCOREMENT ITEMS	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1. MAINT PLATFORM HIGH REACH (1)	Α	11	\$6,107	9	\$5,246				
2. DEICER, TRUCK MOUNTED (1)	Α	36	\$9,063	38	\$11,639				
3. 305 RADIO TEST STATION (1)	Α		\$7,450	2	\$7,238				
4. 405 TRANSPORTABLE RADIO TEST STATION	Α		\$7,450		\$7,114		\$7,200		
5. ELECTRONIC SYSTEM TEST STATION	Α		\$20,025		\$22,525		\$11,525		
6. SELF GENERATING NITROGEN SERVICING CART	Α	209	\$7,152	360	\$12,098	361	\$12,526		
7. COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT	Α	372	\$7,746	270	\$4,963	135	\$7,818		
8. JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER	Α			56	\$17,127	65	\$24,072		
9. AUTOMATIC JET ENGINE TEST SYSTEM	Α		\$500		\$609	10	\$12,242		
10. HYDRAULIC COMPONENT TEST STAND	Α			2	\$1,831	43	\$11,993		
11. NEW GENERATION HEATER	Α			200	\$2,202	847	\$8,777		
12. SINGLE CONTAINER ADVANCED RADAR SIMULATOR	Α			63	\$4,564	97	\$7,163		
13. 105 BENCHTOP RECONFIGURABLE AUTOMATIC TESTER	Α					5	\$5,784		
14. ITEMS LESS THAN \$5 MILLION	Α		\$113,509		\$79,163		\$102,234		
Totals:			\$179,002		\$176,319		\$211,334		

Remarks:

1. F`	Y02 requirements	for Items	1-3 appear	r on the attached	Items Less	Than \$5,000,000	budget document.
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BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	JUNE 2001			
APPROP CODE/BA	:				P-1 NOMENCLATURE:					
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMENT	Γ (O&I)	405 TRAN	SPORTABLE RA	DIO TEST STA	TION			
	FY2000 FY2001 FY2002 FY2003 FY2004 FY2				FY2005	FY2006	FY2007			
QUANTITY										
COST (in Thousands)	\$7,450	\$7,114	\$7,200	\$7,100	\$1,000	\$0	\$0	\$0		
Description: 1. The 405 Transportable Radio Test Station, also known as the RF T-BRAT, is a flexible test system, based on an open architecture of commercial equipment in a modular design used to support E-3B/C aircraft. It can also be used as general purpose test equipment. 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 (TPSs). This procurement provides a transportable standard commercial test system for 78 different E-3 Airborne Warning & Control Systems (AWACS) line replaceable units (LRUs)/shop replaceable units (SRUs). It replaces 14 different existing testers, allowing interchangeability of tester hardware between maintenance shops. This interchangeability reduces work stoppages, eliminates proliferation of support equipment and reduces overall logistics support requirements and costs. The TPSs diagnose and troubleshoot failures in LRUs and SRUs in the E-3B/C while the aircraft is in a deployed environment. A TPS consists of test software, interface test adapter (ITA), and cables used to connect the ITA to the item being tested. 2. Failure to procure the 405 Transportable Radio Test Stations TPS's 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 costs while increasing the aircraft mission capable (MC) rates. 3. Items requested in FY02 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.										
	:	Page	e 1 of 2							

BUDGET ITEM JUSTIFICATION (DATE: JUNE 2	2001						
APPROP CODE/BA:			P-1 NOMENCLATURE:					
APAF/AIRCRAFT REPLACEMENT SUPP	(O&I)	405 TRANSPORTABLE RADIO TEST STATION						
Description (cont.): 4. This administration has not addressed only and subject to change.	ed FY 2003-2007 r	equirements. Al	Il FY 2003-20	07 budget estimate	s included in this b	ook are notional		
	P-1 ITEM NO: 66			PAGE NO : 7 - 4		Page 2 of 2		

WEAPON SYSTEM COST ANAL	YSIS (EXI	HIBIT P-	5)						D	DATE:	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPM	ENT (O&I)		P-1 NOM 05 TRAN			O TEST :	STATION				
	IDENT		FY2000	•		FY2001			FY2002			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
405 TEST PROGRAM SETS		15	350,000	5,250	12	350,000	4,200	15	350,000	5,250			
B504 HIGH SPEED DIGITAL TEST SYSTEM	1 A				1	781,000	781						
B507 PROGRAMMABLE POWER SUPPLY	А				1	83,000	83						
INDEPENDENT VALIDATION & VERIFICATION (IV&V)				500			600			450			
INTERIM CONTRACT SUPPORT (ICS)				750)		750			800			
DATA				950)		700			700			
TOTALS:				7,450			7,114			7,200			
REMARKS:													
	P-1 ITEM NO 66					PAGE NO : 7 - 5						nge 1 of 1	

BUDGET PROCUREMENT H	DATE: JUNE 2001								
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA 405 TRANSPORTA	ATURE: ABLE 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									
FY00 (1)	15	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	MAR 00	OCT 00		
FY01 (1)	12	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	JUN 01	JUN 02		
FY02 (1)	15	350,000	AFMC/WR-ALC	C/FFP	MULTIPLE	MAR 02	MAR 03	Υ	
B504 HIGH SPEED DIGITAL TEST SYSTEM									
FY01	1	781,000	AFMC/WR-ALC	OTH/FFP	ATTI/LONG ISLAND NY	FEB 01	JUN 01		
B507 PROGRAMMABLE POWER SUPPLY									
FY01	1	83,000	AFMC/WR-ALC	OTH/FFP	ATTI/LONG ISLAND NY	FEB 01	JUN 01		
REMARKS: . Competitive contracts with multiple vendors were determined to be most advantageous to the Air Force due to the complexity of the test program sets and software. Quantities and unit costs will be negotiated. Various contracts are available through the following vendors: ATTI, Inc, Hauppauge, NY; RW, 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/delivery.									
P-1 ITEM NO PAGE NO: 7 - 6									1

BUDGET ITEM JUS	TIFICATION (E	EXHIBIT P-40)				DATE:	JUNE 2001						
APPROP CODE/BA	:			P-1 NOM	IENCLATURE:								
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMENT	(O&I)	ELECTRO	ELECTRONIC SYSTEM TEST STATION (ESTS)								
	FY2000	FY2004	FY2005	FY2006	FY2007								
QUANTITY													
COST (in Thousands)	\$20,025	\$22,525	\$11,525	\$5,000	\$0	\$0	\$0	\$0					
Description:													
1. The Electronic Systetesting for trouble shoot (UUT), the ESTS evaluates Test program sets (TPS) the aircraft LRUs. The current Avionics Internexisting F-15 AIS (devaluates AIS test stations cannor requirement for a truly technologically outdates and the control of the cont	ating and repair of lates the overall at the overall at the solution of soft at ESTS has been nediate Shop (A eloped in the east accommodate of mobile tester to and virtually in EY02 are identificated equipments and addressed that the solution of the sol	of F-15 line replace performance of the tware, interface to designed as a state (IS) it replaces, when the two contains existing workloads meet Expeditional mpossible to deplace on the following the meeded to suppose the two contains the two contains and the two contains the tw	teable units (Line system and est adapters, do not alone system and alone system are obsolete electrical end alone sin high operatory. The ESTS and P-5 and are out current Air	RUs). While proposed subsystems for occumentation are requiring one creased reliability ctronic componitional tempos dequirements can be supports the few representative.	roviding ambient the F-15 antenna and cables required pallet to deploy ity, maintainabilitients and has become deployed conditionable met by mollowing Air Ford of items to be prequirements.	air cooling to fire control a d as an interfaction lieu of the 2 d and reduced ome increasing itions. Air Coodifying the Ace aircraft: F/2 ocured. Items	the LRU unit und telemetering ce between the 22 pallets required test cycle times by unsupportable and Comman and Swhich is no FF-15 A/B/C/D procured during	ender test g systems. ESTS and red by the es. The le. The older d's w D/E.					
		P-1 ITEM NO:			PAGE NO:		Page	e 1 of 1					

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)	DATE: JUNE 2001
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ELECTRONIC SYSTEM TEST STATION (ESTS)

	IDENT		FY2000	•		FY2001			FY2002		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
ESTS	А												
INTERFACE TEST ADAPTERS (ITA)		80	168,138	13,451									
INTERIM CONTRACTOR SUPPORT (ICS) (1)							11,274			10,275			
ITA HARDWARE RETROFIT (3)				4,574									
GOVERNMENT FURNISHED EQUIPMENT REPAIR / REFURBISH (2)				2,000			1,000						
CANCELLED ACCOUNT ADJUSTMENT FOR FY 92/93 BILL							7,313						
ESTS OVER & ABOVE COSTS (5)							1,481						
USER TRIALS/MATURATION TEST SUPPORT (4)							1,457			1,250			
TOTALS:				20,025			22,525			11,525			

REMARKS:

- 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. Upgrading of developmental ITAs to current production configuration.
- 4. 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.
- 5. Refurbishment, including repair and calibration, of all Government-owned testers authorized for use during TPS Development, Integration, and System Test and Evaluation.

P-1 ITEM NO 66	PAGE NO: 7 - 8	Page 1 of 1

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5	A)		DATE:	IUNE 20	01	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA ELECTRONIC SYS	ATURE: TEM TEST STATION (ESTS	S)			
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AW DA	U. FIDET	SPECS AVAIL NOW	DATE REV. AVAIL
ESTS									
FY00 (1)	80	168,138	AFMC/ASC	OPT/FP	GRUMMAN CORPORATION ROLLING MEADOWS IL	DEC	99 DEC 00		
1. FY00 is option to FY93 contract	et award	ed 20 Oct	93.						
	P-1	ITEM N 66	0	PAGE NO : 7 - 9	:		Pag	e 1 o	f 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 APPROP CODE/BA: P-1 NOMENCLATURE: SELF GENERATING NITROGEN SERVICING CART (SGNSC) APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) FY2002 FY2003 FY2004 FY2006 FY2007 FY2000 FY2001 FY2005 **QUANTITY** COST (in Thousands) \$7.152 \$12.098 \$12.526 \$12,904 \$4.641 \$255 \$390 \$0

Description:

- 1. The Self-Generating Nitrogen Servicing Cart (SGNSC) is a self-contained, diesel engine powered, four wheeled, towable cart weighing less than 4,000 pounds. It produces gaseous nitrogen by 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 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. Utilizing the SGNSC will reduce manhours required for nitrogen servicing and decrease the deployment footprint for aircraft squadrons, critical to current peacetime and wartime 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 would result in Air Force dependence on unreliable, obsolete systems and fail to provide essential technological improvements key to supporting forward basing and rapid deployment under the Air Expeditionary Force concept. The SGNSC will be more efficient, safe, maintainable, and cost effective than the present systems for servicing Air Force aircraft. Currently, servicing carts must be filled with liquid nitrogen supplied by either a cryogenic plant or through contract services and then converted to gaseous nitrogen in the servicing cart -- a hazardous and time consuming operation. Nonavailability of the required quantities of liquid nitrogen in the local area of deployment forces the Air Force to ship and store 400-gallon liquid nitrogen storage tanks. Utilizing the SGNSC will reduce manhours required for nitrogen servicing and decrease the deployment footprint for aircraft squadrons, which has become critical to current peacetime and wartime

İ	P-1 ITEM NO: 66	PAGE NO: 7 - 10	Page 1 of 2
- 1	1 00	, ,	

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)				DATE: JUNE 2	2001
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPP	ORT EQUIPMENT (O&I)	SELF GENE	RATING NITROGE	N SERVICING CAR	Γ (SGNSC)
Description (cont.): missions.						
3. Items requested in FY02 are identificated and change based on critical equipment					red. Items procured	d during execution
4. This administration has not addressed only and subject to change.	ed FY 2003-2007 re	equirements. Al	l FY 2003-200	07 budget estimate	es included in this b	oook are notional
	Г		1		<u> </u>	
	P-1 ITEM NO:			PAGE NO: 7 - 11		Page 2 of 2

WEAPON SYSTEM COST ANA	LYSIS (EXI	IBIT P-	5)						D	ATE: 、	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	Γ SUPPORT I	EQUIPME	ENT (O&I)		P-1 NOM SELF GEN			EN SER	VICING C	ART (SGI	NSC)		
	IDENT		FY2000	•		FY2001			FY2002			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
SGNSC	А	209	34,220	7,152	360	33,599	12,096	361	34,699	12,526			
ONE TIME ENGINEERING FEE (1)							2						
TOTALS:				7,152			12,098			12,526			
1. One Time Engineering Fee is a			a product	safety im			ment requ	ested) to	add a bel	t cover to			
	P-1 ITEM 66	NO			PAG 7	E NO : - 12					Pa	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5/	A)	ı	DATE: JU	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUPI	PORT EQ	UIPMENT (O&I)	P-1 NOMENCL SELF GENERATIN	ATURE: G NITROGEN SERVICING CA	ART (SGNSC))		
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE CONTRACTOR AND LOCATION		AWD. DATE	DATE FIRST DEL.		DATE REV. AVAIL
SGNSC									
FY00 (1)	209	34,220	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUST SANTA ANA, CA	RIES, FEB 00	JUN 00		
FY01 (1)	360	33,599	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUST SANTA ANA, CA	RIES, JAN 01	MAR 01		
FY02 (1)	361	34,699	AFMC/WR-ALC	OPT/FFP	PACIFIC CONSOLIDATED INDUST SANTA ANA, CA	RIES, NOV 01	MAR 02	Y	
1. FY00, FY01 and FY02 are opt years.						contract with	three opf	ion	
	P-1	ITEM N	0	PAGE NO 7 - 13	:		Pag	je 1 o	f 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 APPROP CODE/BA: P-1 NOMENCLATURE: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT FY2002 FY2003 FY2004 FY2006 FY2000 FY2001 FY2005 FY2007 **QUANTITY** COST (in Thousands) \$7.746 \$4.963 \$7.818 \$10.665 \$13.388 \$11.688 \$0 \$0 **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 FY02 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. 4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change. P-1 ITEM NO: PAGE NO: Page 1 of 1 7 - 14

NEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)									D	ATE:	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPME	ENT (O&I)	F	P-1 NOM COMMON	ENCLA AIRCRAF	TURE:	ABLE REI	PROGRA	MMING E	QUIPME	ENT	
	IDENT		FY2000	1		FY2001			FY2002			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
CAPRE	А	372	7,046	2,62	1 270	7,159	1,933	135	7,279	983			
TECHNICAL ORDER/LICENSES				55	5		105			53			
AIRCRAFT ADAPTER GROUPS (AAG) (1)				4,789	9		2,813			6,601			
DATA				29	9		12			31			
INTERIM CONTRACTOR SUPPORT (ICS)				252	2		100			150			
TOTALS:				7,746	5		4,963			7,818			
	P-1 ITEM 66	NO			PAG 7 -	E NO: · 15					Pa	age 1 of 1	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIB				A)		DATE: JU	NE 200	1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA COMMON AIRCRA	ATURE: FT PORTABLE REPROGRA	MMING EQUIF	PMENT		
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
CAPRE									
FY00	372	7,046	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLO SERVICES INC., CHANTILLY, VA		MAR 00		
FY01	270	7,159	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLO SERVICES INC., CHANTILLY, VA		OCT 01		
FY02	135	7,279	AFMC/WR-ALC	OPT/FFP	GSA/GOVERNMENT TECHNOLO SERVICES INC., CHANTILLY, VA		MAR 02	Υ	
	P-1	ITEM No.	0	PAGE NO 7 - 16	:		Pa	ge1 d	of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 APPROP CODE/BA: P-1 NOMENCLATURE: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) JOINT SERVICE ELECTRONIC COMBAT SYSTEMS TESTER FY2002 FY2003 FY2004 FY2000 FY2001 FY2005 FY2006 FY2007 **QUANTITY** COST (in Thousands) \$17,127 \$0 \$24.072 \$5,400 \$0 \$0 \$0 \$0 **Description:** 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) are being procured with RDT&E funds, documented in the Air Force Descriptive Summaries in PE 64270F. This tester supports the following Air Force aircraft: A-10, 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 FY02 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. 4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change. P-1 ITEM NO: PAGE NO: Page 1 of 1 7 - 17

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5) APPROP CODE/BA:									0	ATE: 、	JUNE 2	001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT I	EQUIPM	IENT (O&I		P-1 NOM JOINT SEF			ІС СОМВ	SAT SYST	EMS TES	TER		
	IDENIT		FY2000	<u> </u>		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	136	88,257	12,003			
PRODUCTION NON-RECURRING							1,422			550			
TOTALS:							17,127			24,072			
TPS price varies dependent on airc refurbishment, Type 1 training, part	s obsolesend	e, etc.	-Recurring	, includes			ovisioning	production	on accept	ance TPS			
	P-1 ITEM 66	NO				E NO : - 18					Pa	ge 1 of 1	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIB				٨)		DATE: JUI	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUPI	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA JOINT SERVICE EI	ATURE: LECTRONIC COMBAT SYS	TEMS TESTER			
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
JSECST									
FY01	56	184,111	AFMC/ASC	SS/FFP	AAI CORP, HUNT VALLEY, MD	JUL 01	JAN 03	Y	
FY02	65	177,220	AFMC/ASC	SS/FFP	AAI CORP, HUNT VALLEY, MD	JUN 02	JAN 04	Y	
	P-1	ITEM No	0	PAGE NO : 7 - 19	:		Pa	ge1 (of 1

			<u> </u>	10011 11	<u> </u>					
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001										
APPROP CODE/BA	:			P-1 NOM	ENCLATURE:					
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMENT	(O&I)	AUTOMAT	IC JET ENGINE T	EST SYSTEM				
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007		
QUANTITY										
COST (in Thousands)	\$500	\$609	\$12,242	\$13,595	\$13,751	\$7,892	\$0	\$0		
Description: 1. The Automatic Jet for all existing and plant instrument. This new it engines, and also will produce the difference of the engine of the eng	nned Air Force joinstrument will instrument will instrument will instrument Service Propulsion Steeps, which plant will test a universal engine C-5 (TF39), C130 are Automatic Jetting capability distribution will result in except ting capability distribution.	et engines. It will nterface to the cur eded flexibility to Support Equipments ans for the next 25 and document, to t test. This equipment (TF56), C-135 (t Engine Test Systue to obsolescence cessive fuel consumed on the following	replace all of rent sensory of add an unliment Advisory Go years. It is at the latest available that supports to TF33), F-15/Fem will result e, and inability mption, incoming P-5 and are	the obsolete testlevices used in the ited number of a roup (PSEAG) to integrated system integrated system integrated system in the following Air (F100 and I in significant new to collect/procaplete testing, and representative of	the existing test come sensors as recommendated of the comprised of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the end of the existence of the existence of the end	use with a sing ells and on the quired. In add requirements 100% common ng state-of-the ystems: A-10 108), T-37 (Journent equipmon report verifiant aced mission of	gle automatic te e current invented dition, it is the tresulting from the ercial off-the-she-art software do 0 (TF34), B-1B 69), and T-38 (Jent repair expersible engine trend capability	st ory of ester the Jet telf (COTS) esigned (F101), B2 [85).		
		P-1 ITEM NO: 66			PAGE NO : 7 - 20		Page	1 of 2		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)				DATE: JUNE 2	2001
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPP	ORT EQUIPMENT ((O&I)	AUTOMATIC	JET ENGINE TES	T SYSTEM	
Description (cont.): 4. This administration has not addressed only and subject to change.	ed FY 2003-2007 r	equirements. Al	ll FY 2003-20	07 budget estimate	s included in this b	ook are notional
	P-1 ITEM NO: 66			PAGE NO: 7 - 21		Page 2 of 2

					7.00								
WEAPON SYSTEM COST ANA						D	ATE: 、	JUNE 2	001				
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPN	MENT (O&I			TENCLA		EST SYS	ГЕМ				
	IDENT		FY2000	•		FY2001			FY2002			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
AJETS	А							10	620,416	6,204			
TEST PROGRAM SETS (TPS)								8	367,000	2,936			
DATA										2,068			
INDEPENDENT VALIDATION & VERIFICATION				500)		400			1,034			
WARRANTY							209						
TOTALS:				500)		609			12,242			
REMARKS:													
	P-1 ITEM 66	NO			PAC 7	GE NO : - 22					Pa	ge 1 of 1	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P- 5A)						DATE: JUI	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMEN	NT SUP	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA AUTOMATIC JET E	ATURE: ENGINE TEST SYSTEM				
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
AJETS									
FY02	10	620,416	AFMC/WR-ALC	OPT/FFP	L-3 COMMUNICATIONS, SAN DII CA	EGO MAR 02	JUL 02	Y	
	P-1	ITEM NO		PAGE NO 7- 23	:		Pa	ge1 (of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) HYDRAULIC COMPONENT TEST STAND FY2000 FY2002 FY2003 FY2004 FY2001 FY2005 FY2006 FY2007 **QUANTITY** COST (in Thousands) \$0 \$1.831 \$11.993 \$14.784 \$14.788 \$14.783 \$7.238 \$0 **Description:** 1. The Hydraulic Component Test Stand (HCT-20) is used to check serviceability of aircraft components prior to installation, pressure check locally manufactured hoses, and test 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 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 FY02 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. 4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional only and subject to change. P-1 ITEM NO: PAGE NO: Page 1 of 1 7 - 24

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)										PATE:	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	T SUPPORT E	EQUIPM	ENT (O&I)			MENCLA LIC COMP		EST STA	ND				
	IDENT		FY2000	<u>l</u>		FY2001			FY2002			FY2003	
WEAPON SYSTEM COST ELEMENTS	IDENT - CODE	QTY	UNIT COST	TOTAL COST		UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST	QTY	UNIT COST	TOTAL COST
HYD COMP TEST STAND (1)	А					2 706,305	1,413	43	278,910	11,993			
TECHNICAL MANUALS							161						
DATA							228						
TRAINING, TYPE I							29						
TOTALS:							1,831			11,993			
	P-1 ITEM 66	NO			PA	GE NO : 7 - 25					Pa	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5/	A)		DATE: JUI	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUPI	PORT EQ	QUIPMENT (O&I)	P-1 NOMENCL HYDRAULIC COM	ATURE: PONENT TEST STAND				
ITEM / FISCAL YEAR	QTY.	UNIT	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.		DATE REV. AVAIL
HYD COMP TEST STAND									
FY01 (1)	2	706,305	AFMC/WR-ALC	C/FFP	HYDRAULIC INTERNATIONAL, CHATSWORTH CA	FEB 01	JUL 05		
FY02	43	278,910	AFMC/WR-ALC	OPT/FFP	HYDRAULIC INTERNATIONAL, CHATSWORTH CA	MAY 02	JAN 03	Y	
	P-1	ITEM N 66	0	PAGE NO 7 - 26	:		Pa	ge1 (of 1

			<u> </u>	<u> </u>	<u> </u>					
BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001										
APPROP CODE/BA	:			P-1 NOM	ENCLATURE:					
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMENT	(O&I)	NEW GENI	ERATION HEATE	:R				
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007		
QUANTITY										
COST (in Thousands)	\$0	\$2,202	\$8,777	\$9,216	\$9,757	\$9,950	\$11,614	\$12,193		
Description: 1. The New Generation aircraft maintenance. It fuels. FY02 continues costly to maintain. Ad by this heater: A-10, E. 2. Failure to procure the expenditures. Heaters perform flightline main. 3. Items requested in Emay change based on control and subject to characteristics.	It heats aircraft can a total replacement of the total replacement of t	cockpits, engines, content program which rous replacement C-5, C-9, C-12, C-10 Heater will result a resulting impact on the following the needed to suppose	cargo areas, and hegan in FY parts are no log 20, C-130, E-3 sult in the context their estimates of their es	nd temporary str 199 to replace cu onger available of 18, E-4, F15, F-10 tinued costly rep ted service lives in readiness. representative of Force mission re	ructures in various rent systems the due to obsolescenter, F-117, H-1, H pair of old, unreles. Without new soft items to be presequirements.	at have become nee. The following. The following. The following. The following and KC-1 in the second state of the second stat	es using multiple increasingly of wing aircraft ar 0. I high man-hou units will be un	e difficult and e supported ur able to g execution		
		P-1 ITEM NO:			PAGE NO:		Page	e 1 of 1		

					-, 100								
VEAPON SYSTEM COST ANALYSIS (EXHIBIT P- 5)									С	ATE:	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SI	UPPORT	EQUIPM	IENT (O&I		P-1 NON NEW GEN			₹					
	IDENT		FY2000			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
NEW GENERATION HEATER	А				200	10,870	2,174	847	10,359	8,774			
DATA							5						
TRAINING (TYPE 1)							9			3			
REFURBISHMENT OF FIRST ARTICLE UNITS	5						14						
TOTALS:							2,202			8,777			
	P-1 ITEM 66	NO			PAG	SE NO : ' - 28					Pa	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	IING (EXHIBIT P- 5	A)		DATE: JU	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUP	PORT EC	UIPMENT (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/FP	POLARTHERM, LUVIA, FINLANI	D JUN 01	DEC 01		
FY02	847	10,359	AFMC/WR-ALC	OPT/FP	POLARTHERM, LUVIA, FINLANI	NOV 01	FEB 02	Y	
	P-1	ITEM N 66	0	PAGE NO 7 - 29	:		Pa	ge1 (of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 APPROP CODE/BA: P-1 NOMENCLATURE: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) SINGLE CONTAINER ADV RADAR SIMULATOR (SCARS) FY2002 FY2003 FY2004 FY2000 FY2001 FY2005 FY2006 FY2007 **QUANTITY** COST (in Thousands) \$0 \$4.564 \$7.163 \$7.277 \$8.834 \$14,001 \$14,561 \$3.173 **Description:** 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 only requires 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 in FY02 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 2 7 - 30

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)				DATE: JUNE 2	2001
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPP	PORT EQUIPMENT (O&I)	SINGLE CO	NTAINER ADV RAD	AR SIMULATOR (S	CARS)
Description (cont.): 4. This administration has not addressed only and subject to change.	ed FY 2003-2007 re	equirements. Al	I FY 2003-200	07 budget estimate	s included in this b	ook are notional
	P-1 ITEM NO:			PAGE NO: 7 - 31		Page 2 of 2

WEAPON SYSTEM COST ANA	LYSIS (EXI	HBIT P	- 5)						С	ATE:	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPN	MENT (O&I)	P-1 NOM SINGLE CO	ENCLA ONTAINE	TURE:	ADAR SIN	MULATOF	R (SCARS)		
	IDENT		FY2000			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
SCARS	А				63	61,090	3,849	97	63,534	6,163			
DATA (1)							715			1,000			
TOTALS:							4,564			7,163			
1. Each item will be delivered with				a uata			The Same	year pro-	auction ai	into are pro	Journal of the Contro		
	P-1 ITEM 66	NO			PAG 7	E NO : - 32					Pa	ge 1 of 1	

BUDGET PROCUREMENT H	ISTORY	/ PLANN	ING (EXHIBIT P- 5/	A)		DATE : JU	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEME	NT SUPI	PORT EQ	UIPMENT (O&I)	P-1 NOMENCLA SINGLE CONTAIN	ATURE: ER ADV RADAR SIMULATO	R (SCARS)			
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
SCARS									
FY01	63	61,090	AFMC/WR-ALC	SS/FFP	AIL SYSTEMS INC, LANCASTER	, CA FEB 01	APR 01		
FY02	97	63,534	AFMC/WR-ALC	OPT/FFP	AIL SYSTEMS INC, LANCASTER	, CA DEC 01	APR 02	Υ	
	P-1	ITEM NO		PAGE NO 7 - 33	:		Pag	je 1 o	f 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 APPROP CODE/BA: P-1 NOMENCLATURE: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I) 105 BENCHTOP RECONFIGURABLE AUTOMATIC TESTER FY2002 FY2003 FY2004 FY2000 FY2001 FY2005 FY2006 FY2007 **QUANTITY** COST (in Thousands) \$0 \$0 \$5.784 \$3.947 \$3.666 \$0 \$0 \$0 **Description:** 1. The 105 Benchtop Reconfigurable Automatic Tester (BRAT) is a flexible test system based on an open architecture of commercial equipment in modular design. It can also be used as general purpose test equipment. The interface provides complex testing capabilities. The test equipment will consist of, but not be limited to, controller, controller operational software, power source, analog/digital, and test programs sets (TPS). This procurement provides a standard commercial test system for a minimum of 47 aircraft line replaceable units (LRUs)/shop replaceable units (SRUs). It replaces four existing testers, allowing interchangeability of tester hardware between maintenance shops. This interchangeability reduces work stoppages, eliminates proliferation of support equipment and reduces overall logistics support requirements and costs. The TPSs diagnose and troubleshoot failures in LRUs and SRUs. A TPS consists of test software, interface test adapter (ITA), and cables used to connect the ITA to the item being tested. Programming is done through a graphical spreadsheet environment providing low learning curves and high throughput. The 105 BRAT supports the following Air Force aircraft: C-5, C-130, and C-141. 2. Failure to fund this program would greatly impair the C-5, C-130, and C-141 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 FY02 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. 4. This administration has not addressed FY 2003-2007 requirements. All FY 2003-2007 budget estimates included in this book are notional P-1 ITEM NO: PAGE NO: Page 1 of 2 7 - 34

BUDGET ITEM JUSTIFICATION (I	EXHIBIT P-40)				DATE: JUNE 2	2001
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/AIRCRAFT REPLACEMENT SUPP	ORT EQUIPMENT (O&I)	105 BENCH	TOP RECONFIGUR	ABLE AUTOMATIC	TESTER
Description (cont.): only and subject to change.						
	P-1 ITEM NO: 66			PAGE NO: 7 - 35		Page 2 of 2

				1101									
WEAPON SYSTEM COST ANAI	LYSIS (EXI	IIBIT P	- 5)						D	DATE: .	JUNE 2	2001	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT	EQUIPN	/IENT (O&I		P-1 NON 105 BENO			JRABLE	AUTOMA	TIC TEST	ER		
	IDENT		FY2000	•		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
105 BRAT	А							5	310,103	1,551			
TEST PROGRAM SETS (TPS)								5	350,000	1,750			
TEST PROGRAM SETS (TPS) INTERFACE TEST ADAPTERS								63	30,000	1,890			
INDEPENDENT VALIDATION & VERIFICATION (IV&V)										125	l		
INTERIM CONTRACT SUPPORT (ICS)										468	<u> </u>		
TOTALS:										5,784			
REMARKS:													
	P-1 ITEM 66	NO			PA 6	GE NO : ' - 36					Pa	age 1 of 1	

BUDGET PROCUREMENT H	ISTORY	PLANN	ING (EXHIBIT P- 5A	A)		DATE: JUI	NE 200)1	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	NT SUPI	PORT EQI	UIPMENT (O&I)	P-1 NOMENCLA 105 BENCHTOP R	ATURE: ECONFIGURABLE AUTOMA	ATIC TESTER			
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
105 BRAT									
FY02	5	310,103	AFMC/WR-ALC	MIPR/FFP	GSA/ATTI/HAUPPAUGE, NY	DEC 01	FEB 02	Y	
				D. 0.5. NO.					
	P-1	ITEM NO		PAGE NO 7 - 37	:		Paç	ge 1 o	of 1

			<u> </u>	<u> </u>				
BUDGET ITEM JUS	TIFICATION (E	EXHIBIT P-40)				DATE:	JUNE 2001	
APPROP CODE/BA	:			P-1 NOME	ENCLATURE:			
APAF/AIRCRAFT REPL	ACEMENT SUPP	ORT EQUIPMENT	(O&I)	ITEMS LES	S THAN \$5,000,00	0		
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007
QUANTITY								
COST (in Thousands)	\$113,509	\$79,163	\$102,234	\$69,968	\$65,602	\$50,162	\$55,178	\$60,695
Description: 1. The "Items Less The out-of-production aircraft mainte a weapon system, and of the following P-40A are needed to support currents. 3. This administration only and subject to characteristics.	aft. Common itenance and service consist of over 7 mual procurement are representatent Air Force minus not addresse	ems (used on moreing requirements 0,000 national storm value of less thative of items to be ssion requirements	e than one wear These replace ock numbers (N an \$5,000,000 e procured. Ite	pon system) and ment items ensi SNs) items as v and are designa ms procured du	d peculiar items (uure continuation ovell as numerous inted Code A. Items in the december of the code in the december of the code in the december of the code in the december of the code in the december of the code in the c	nique to one f serviceable tems which a s requested in y change base	weapon system equipment over are non-stocklist n FY02 are idea ed on critical eq	n) directly er the life of sted (NSL). Intified on quipment
		P-1 ITEM NO: 66			PAGE NO: 7 - 38		Page	1 of 1

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

DATE: JUNE 2001

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000

		FY20	002	FY2003		
PROCUREMENT ITEMS	NSN	QTY.	COST	QTY.	COST	
MAJOR PROCUREMENTS						
MHU-83D/E LIFT TRUCK	1730014462422	30	\$3,254			
C-5 ISOCHRONIC MAINTENANCE PLATFORM	1730001573976	1	\$4,008			
UMS, DIESEL, SPLIT DECK MAINT PLATFORM	1730013704268	1	\$179			
15 TON PNEUMATIC LIFTING BAG	5120012842611YZ	100	\$3,133			
C-5 EMPENNAGE STAND	1730001583039	2	\$3,285			
ROOF-MOUNTED AIR CONDITIONING MODULE	4120014752535	3	\$1,500			
NOISE SUPPRESSOR, LARGE TURBO FAN ENGINE	4920010821095	1	\$2,320			
MAINT PLATFORM HIGH REACH	1730012490097	8	\$4,896			
DEICER, TRUCK MOUNTED	1730005556205	6	\$1,736			
305 RADIO TEST STATION	6625014531147DQ	1	\$4,653			
MINOR PROCUREMENTS (GROUPED BY FEDERAL SUPPLY CLASS (FSC)						
FSC 1450 GUIDED MISSILE HANDLING AND SERVICING EQUIPMENT			\$131			
FSC 1560 AIRCRAFT STRUCTURAL COMPONENTS			\$858			
P-1 ITEM NO 66	PAGE NO : 7 - 39		L	Pag	e 1 of 4	

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

DATE: JUNE 2001

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000

		FY	2002	FY2003		
PROCUREMENT ITEMS	NSN	QTY.	COST	QTY.	COST	
FSC 1660 AIRCRAFT AIR CONDITIONING, HEAT AND PRESSURIZING EQUIPMENT			\$1051			
FSC 1670 PARACHUTES AND AERIAL PICKUP, DELIVERY, RECOVERY SYSTEMS AND CARGO TIEDOWN EQUIPMENT			\$57			
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT			\$22,075			
FSC 1740 AIRFIELD SPECIALIZED TRUCKS AND TRAILERS			\$3,225			
FSC 2330 TRAILERS			\$514			
FSC 2835 GAS TURBINES, JET ENGINE AND COMPONENTS, EXCEPT AIRCRAFT			\$877			
FSC 3655 GAS GENERATING AND DISPENSING SYSTEMS, FIXED OR MOBILE			\$559			
FSC 3940 BLOCKS, TACKLE, RIGGING AND SLINGS			\$501			
FSC 3950 WINCHES, HOISTS, CRANES AND DERRICKS			\$636			
FSC 4310 COMPRESSORS AND VACUUM PUMPS			\$451			
FSC 4320 POWER AND HAND PUMPS			\$726			
FSC 4510 PLUMBING FIXTURES AND ACCESSORIES			\$54			
FSC 4910 MOTOR VEHICLE MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIPMENT			\$557			
FSC 4920 AIRCRAFT MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIPMENT, EXCEPT AIRBORNE ELECTRONICS			\$19,750			
FSC 4930 LUBRICATION AND FUEL DISPENSING EQUIPMENT			\$584			
FSC 4940 MISCELLANEOUS MAINTENANCE REPAIR SHOP SPECIALIZED EQUIPMENT			\$536			
FSC 5120 HAND TOOLS, NONEDGED, NONPOWERED			\$417			
P-1 ITEM NO 66	PAGE NO: 7 - 40		<u> </u>	Pa	ge 2 of 4	

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

DATE: JUNE 2001

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000

		FY	2002	FY2003		
PROCUREMENT ITEMS	NSN	QTY.	COST	QTY.	COST	
FSC 5130 HAND TOOLS, POWER DRIVEN			\$709			
FSC 5180 SETS, KITS, AND OUTFITS OF HAND TOOLS			\$1,953			
FSC 5210 MEASURING TOOLS, CRAFTMAN'S			\$721			
FSC 5220 INSPECTION GAGES AND PRECISION LAYOUT TOOLS			\$233			
FSC 5280 SETS, KITS, AND OUTFITS OF MEASURING TOOLS			\$68			
FSC 5340 MISCELLANEOUS HARDWARE			\$513			
FSC 5365 RINGS, SHIMS, AND SPACERS			\$51			
FSC 5935 CONNECTORS, ELECTRICAL			\$64			
FSC 6080 FIBER OPTIC KITS AND SETS			\$130			
FSC 6115 GENERATORS AND GENERATOR SETS, NONAIRBORNE			\$2,586			
FSC 6130 CONVERTERS, ELECTRICAL, NON ROTATING			\$130			
FSC 6150 MISCELLANEOUS ELECTRIC POWER AND DISTRIBUTION EQUIPMENT			\$453			
FSC 6230 ELECTRICAL PORTABLE, HAND LIGHTING EQUIPMENT			\$101			
FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING AND TESTING INSTRUMENT			\$835			
FSC 6630 CHEMICAL ANALYSIS INSTRUMENTS			\$523			
FSC 6635 PHYSICAL PROPERTIES TESTING EQUIPMENT			\$551			
SC 6636 ENVIRONMENTAL CHAMBERS RELATED EQUIPMENT			\$411			
FSC 6650 OPTICAL INSTRUMENTS			\$780			
P-1 ITEM NO 66	PAGE NO: 7 - 41			Pa	ge 3 of 4	

BUDGET ITEM JUSTIFICATION	F/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT CUREMENT ITEMS 6670 SCALES AND BALANCES 6680 LIQUID AND GAS FLOW, LIQUID LEVEL, AND HANICAL MOTION MEASURING INSTRUMENTS 6685 HAZARD DETECTING INSTRUMENTS AND ARATUS					DA	TE: JU	NE 20	01
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT	SUPPORT EQUIP	PMENT (O&I)		NOMENCLA S LESS THAN \$		•			
					FY	2002	FY2003		
PROCUREMENT ITEMS				NSN	QTY.	COST	Q1	Υ.	COST
FSC 6670 SCALES AND BALANCES						\$53	4		
						\$50	9		
FSC 6685 HAZARD DETECTING INSTRUM APPARATUS	MENTS AND					\$67	2		
FSC 6695 COMBINATION AND MISCELLA	NEOUS INSTRUMENT	rs				\$2	3		
FSC 7025 AUTOMATIC DATA PROCESSIN STORAGE DEVICES	NG INPUT/OUTPUT AN	ND				\$50	9		
FSC 8145 SPECIAL SHIP AND STORAGE	CONTAINERS					\$82	1		
NSL NON-STOCKLISTED						\$5,83	1		
TOTALS:						\$102,23	4		
	P-1 ITEM NO 66			PAGE NO : 7 - 42				Page	e 4 of 4

FY 2002 AMENDED BUDGET SUBMISSION BP 13 – POST PRODUCTION SUPPORT JUNE 2001

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Exhibit P-40, Budget Item Justification Date: June 2001 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 A-10 Post Prod Support Facilities, Item No. 67 N/A Other Related Program Elements: Program Element for Code B Items: Prior Years FY 2000 FY 2005 ID Code FY 2001 FY 2002 FY 2003 FY 2004 FY 2006 FY 2007 Total To Comp Proc Qty Α

0.000

0.000

0.000

0.000

0.000

0.000

6.327

Description

Total Proc Cost (\$ M)

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

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

6.327

0.000

FY 2002 Program Justification

P-1 Shopping List Item No. 67

Exhibit P-5, Weapon System Cost Analysis	3							Date: J	une 2001		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item I	Nomenclature			
Aircraft Procurement, Air Force, Bu	idget Ad	ctivity 07	, Aircraft	Support E	Equipme	ent and	A-10 Pos	t Prod Su	upport		
Facilities, Item No. 67	J	,	•	• •	• •				• •		
Manufacturer's Name/Plant City/State Location				Subline Item			•				
Lockheed Martin Technology Services, Mesa, AZ	,										
Weapon System	Ident				Total Co	st In Million	ns of Dollars				
Cost Elements	Code		FY 2000			FY 2001			FY 2002		
				Total			Total			Total	
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	
Avionics	A										
Armament	A										
Software	A										
Other Government Furnished Equipment (GFE)	A										
Engineering Change Orders (ECO)	A										
Nonrecurring Costs	A										
Other Costs	A										
FLYAWAY COST SUBTOTAL	A										
Airframe Peculiar Ground Support Equipment	A										
(PGSE)											
Engine PGSE	A										
Peculiar Training Equipment	A	3		6.133							
Publications/Technical Data	A										
ECOs	A										
Other	A			0.194							
SUPPORT COST SUBTOTAL	A			6.327					1		
TOTAL PROGRAM				6.327					+		
	<u> </u>			0.327			1		1		
Comments											
			P-1 Shopping	n List Item N	o 67	1		Weano	n System Co	st Analysis	
		'	Chopping	g =100 10111 1V	J. 01			-	Exhibit P-5,	-	

Exhibit P-43 p.1, Simul	ator and Trainir		Date: June 2001						
Appropriation (Treasury) Code	/CC/BA/BSA/Item Co	P-1 Line Item Nomenclature							
Aircraft Procureme	nt, Air Force	ent and	A-10 Post Pro	od Support					
Facilities, Item No.	67		•	• •					
Weapon System A-10									
Equipment Nomenclatur	e: Unit Training	Device (UTD)							
Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Proc	6.327								6.327
mp a taitaid daydmena bi	CCCDIDETON				_				

TRAINING SYSTEM DESCRIPTION

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

P-1 Shopping List Item No. 67

Simulator and Training Device Justification (\$ M Exhibit P-43 p.1, page 3 of 5

Exhibit P-43 p.2, Sim	ulator and Tra	aining Device	Justification	(\$ M)				Date	e: June 2001				
Appropriation (Treasury) Co	ode/CC/BA/BSA/Ite	em Control Numbe	er				P-1 Line	P-1 Line Item Nomenclature					
Aircraft Procuren	nent, Air Fo	rce, Budge	t Activity 0	7, Aircraft	Support Ed	quipment a	nd A-10	Post Prod	Support				
Facilities, Item No			-	•		-			• •				
Weapon System A-10													
Equipment Nomenclature: Unit Training Device (UTD)													
IOC Date													
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2000	FY 2001		FY	2002			
DEVICE		TIME	TRAINING	STUDENT									
BY TYPE			DATE	THROUGH	QTY	COST	QTY	COST	QTY	COST			
				PUT									
	A-10 Units				3	6.327							
<u>TOTAL</u>	3 6.327												

P-1 Shopping List Item No. 67

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

Exhibit P-43 p.3, Simulator	and Training	Device Just	ification (\$	M)				Date:	: June 2001				
Appropriation (Treasury) Code/CC/B Aircraft Procurement, A Facilities, Item No. 67			tivity 07,	Aircraft Su	pport Equ	ipment and	P-1 Line Item Nomenclature A-10 Post Prod Support						
Weapon System A-10							•						
Equipment Nomenclature: Air	rcrew Trainer	:s											
Description:													
This page is not required - Does	not exceed \$5	M for Unit Tra	ining Device	(UTD).									
FINANCIAL PLAN			2001 FY 200		2002	To Co	omplete	Total	l Costs				
FINANCIAL FLAIN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST			
Hardware Costs													
	3	6.327											
Total Hardware Costs	3	6.327											
Support Costs													
					ĺ .								
Total Support Costs													
					<u> </u>								
TOTAL COSTS	3	6.327			<u></u> '								

P-1 Shopping List Item No. 67

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

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Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	B-2A Post Prod Support
Facilities, Item No. 68	

Items:	11127F			Other Related Program Elements:				N/A				
ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
A												
		65.876	18.433	12.647	3.330	7.453	7.652	7.811	7.977		131.179	
ľ			ID Code Prior Years FY 2000 A	ID Code Prior Years FY 2000 FY 2001 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 A Prior Years FY 2000 FY 2001 FY 2002	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp A Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp	

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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 2002 Program Justification

The FY 2002 program contains costs associated with technical orders, peculiar support equipment, s/w investment, program management administrative requirements and non-recurring (including curtailment) efforts.

P-1 Shopping List Item No. 68

Exhibit P-5, Weapon System Cost Analysis Date: June 2001 Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and B-2A Post Prod Support Facilities, Item No. 68 Manufacturer's Name/Plant City/State Location Subline Item Northrop Grumman CForp., B-2 Division, Pico Rivera, Ca. Weapon System Total Cost In Millions of Dollars Ident Cost Elements FY 2001 Code FY 2000 FY 2002 Total Total Total Oty Unit Cost **Unit Cost** Cost **Unit Cost** Cost Cost Otv Oty Avionics Α Armament Α Software Α Other Government Furnished Equipment (GFE) Α Engineering Change Orders (ECO) A Nonrecurring Costs 18.700 4.900 3.700 Α Other Costs Α FLYAWAY COST SUBTOTAL Α 18.700 4.900 3.700 Airframe Peculiar Ground Support Equipment 17.800 3.900 Α 4.100 (PGSE) Engine PGSE Α 0.400 Peculiar Training Equipment Α Publications/Technical Data 0.500 0.100 Α 3.847 **ECOs** Α Other 5.700 0.500 0.500 Α SUPPORT COST SUBTOTAL 8.247 24.400 4.700 Α S/W INVESTMENT 13.300 0.100 Α 5.200 PROG MGMT AMD REQMTS 9.476 3.633 Α 0.600 TOTAL PROGRAM 65.876 18.433 12.647 Comments The FY00 DoD Appropriations Act transferred Interim Contractor Support (ICS) to a separate procurement line item. Weapon System Cost Analysis P-1 Shopping List Item No. 68

Exhibit P-5, page 2 of 2

Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	B-2B ICS
Facilities, Item No. 69	

·												
Program Element for Code B		Other Relat	ted Program	Elements:		11127F						
	ID Code	Prior Years	FY 2000	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)			47.294	42.310	38.612	34.007	33.989	34.522	23.645	12.140		266.519
Advance Proc Cost (\$ M)												
Weapon System Cost (\$ M)			47.294	42.310	38.612	34.007	33.989	34.522	23.645	12.140		266.519
Initial Spares (\$ M)												
Total Proc Cost (\$ M)			47.294	42.310	38.612	34.007	33.989	34.522	23.645	12.140		266.519
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

Description

FY03-FY07 budget numbers do not reflect the DoD strategic review results.

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 2002 Program Justification

Interim Contractor Support is required in FY02 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. 69

Exhibit P-5, Weapon System Cost Analysi	s							Date: Ju	ıne 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro							P-1 Line Item N	omenclature		
Aircraft Procurement, Air Force, Bu	udget Ac	tivity 07	7, Aircraft	Support E	Equipme	ent and	B-2B ICS			
Facilities, Item No. 69										
Manufacturer's Name/Plant City/State Location				Subline Item						
	, ,									
Weapon System	Ident				Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 2000	TD + 1		FY 2001	T . 1		FY 2002	TD + 1
		Otro	Unit Cost	Total Cost	Otro	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Interim Contractor Support	A	Qty	Unit Cost	47.294	Qty	Unit Cost	42.310	Qty	Unit Cost	38.612
internii Contractor Support				47.234			42.310		1	36.012
TOTAL PROGRAM									1	
							•			
<u>Comments</u> The FY00 DoD Appropriations Act transferred IO	70 42 2 22									
The F 100 DoD Appropriations Act transferred R	es to a sepa	nate procui	rement inte ne	ш.						
		"	P-1 Shoppin	g List Item N	o. 69			Weapor	System Co	st Analysis
								_	Exhibit P-5, _I	-

Exhibit P-40, Budget Item Justification Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 70 Date: June 2001 P-1 Line Item Nomenclature B-1 Post Prod Support

Items:	N/A			Other Related Program Elements:				64226F,11126F				
ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
A												
		0.000	0.000	6.400	0.000	0.000	0.000	0.000	0.000		6.400	
			ID Code Prior Years FY 2000 A	ID Code Prior Years FY 2000 FY 2001 A	ID Code	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 A Prior Years FY 2000 FY 2001 FY 2003	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 A Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 A FY 2005 FY 2007	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 A	ID Code Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp A Prior Years FY 2000 FY 2001 FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 To Comp	

Description

Aircraft Post-Production Support (Budget Program 130000)

FY 2002 Program Justification

MISSION AND DESCRIPTION:

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

This document establishes a post-production support line for the B-1B aircraft. FY02 funding is specific to refurbishment, calibration, repair, and replacment of tooling. This tooling is required to produce piece parts and spare parts for the B-1 Secondary Power System (SPS).

P-1 Shopping List Item No. 70

Exhibit P-5, Weapon System Cost Analysis	S							Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item I	Nomenclature		
Aircraft Procurement, Air Force, Bu	idget Ad	ctivity 0	6, Aircraft	Spares a	nd Repa	ir Parts,	B-1 Post	Prod Su	pport	
Item No. 70		-		•	-	•		,	•	
Manufacturer's Name/Plant City/State Location				Subline Item	1					
Weapon System	Ident				Total Co	st In Million	s of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A									
Armament	A								1	
Software	A									
Other Government Furnished Equipment (GFE)	A									6.400
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A									6.400
Airframe Peculiar Ground Support Equipment	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
MRSP's / Reprovisioning Spares	A									
TOTAL PROGRAM									+	6.400
	<u> </u>						ļ.			0.400
<u>Comments</u>										
			P-1 Shoppin	g List Item N	No. 70			-	n System Co	-
									Exhibit P-5, j	page 2 of 2

Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	C-130 Post Prod Support
Facilities, Item No. 71	

P	Program Element for Code B	Items:	N/A			Other Relat	ted Program	Elements:		PE: 0401115F				
Г		ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
P	Proc Qty	A												
Т	Total Proc Cost (\$ M)			0.000	1.353	1.372	1.374	1.379	1.382	0.000	0.000		6.860	

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 2002 Program Justification

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

P-1 Shopping List Item No. 71

Subline Iter 000 Total Cost Cost		st In Millions FY 2001 Unit Cost	of Dollars Total Cost	Qty	FY 2002 Unit Cost	Total Cost
Total		FY 2001	Total	Qty		
Total		FY 2001	Total	Qty		
	Qty	Unit Cost		Qty	Unit Cost	
			1.365			1.361
	┼		1.365		+	1.361

Exhibit P-40, Budget Item Justification Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72 Program Element for Code B Items: N/A Other Related Program Elements: N/A

Program Element for Code B	Items:	N/A				ed Program	Elements:		N/A					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total		
Proc Qty	A													
Total Proc Cost (\$ M)			0.000	1.450	0.000	0.000	0.000	0.000	0.000	0.000		1.450		

Description

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

FY 2002 Program Justification

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

P-1 Shopping List Item No. 72

Exhibit P-5, Weapon System Cost Analys								Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro				_	_	_	P-1 Line Item N			
Aircraft Procurement, Air Force, B	Sudget A	ctivity 0	7, Aircraft	Support I	Equipme	nt and	E-4 Post F	Prod Su	port	
Facilities, Item No. 72										
Manufacturer's Name/Plant City/State Location				Subline Item	1					
	T -, . T				T 10	7 3 61111	25 11			
Weapon System	Ident		EV 2000		Total Cos		s of Dollars		EV 2002	
Cost Elements	Code		FY 2000	Total		FY 2001	Total		FY 2002	Total
		Qty	Unit Cost	Total Cost	Qty	Unit Cost		Qty	Unit Cost	l otal Cost
Peculiar Training Equipment	A	<u> </u>	Omi cost	2050	1	Omi Cost	1.450	<u> </u>	- Cint Cost	2050
Other	A									
Peculiar Training Equipment Other SUPPORT COST SUBTOTAL	A						1.450			
	\bot			<u> </u>					↓	
TOTAL PROGRAM							1.450			
Comments										
										I
										l
										I
										I
			P-1 Shoppin	ıg List Item ۱	No. 72			Weapor	n System Cos	st Analysis

Exhibit P-5A, Procurement	Histo	ry and Pla	anning					Date: June 2001					
Appropriation (Treasury) Code/CC/E	BA/BSA	/Item Contro	Number					P-1 Line	e Item Nome	enclature			
Aircraft Procurement,	Air F	orce, Bu	udget Acti	vity 07,	Aircraft	Support E	quipment and	E-4 F	ost Pro	d Suppo	ort		
Facilities, Item No. 72		·	•			• •	• •			• •			
					Subline Ite	m							
<u>Weapon System</u> E-4B	_												
WBS Cost Elements	Qty	Unit Cost		RFP Issue Date	Contract Method	Contract Type	Contractor and Loca	ation	Award Date	Date of First Delivery	Specs Available Now?	Date Revisions Available?	
Aircrew Training Device	1	1.450	Offutt AFB, NE	Dec-00	MIPR	PO	Luke AFB, AZ		Jan-01	Oct-01	No	Aug-00	
<u>Remarks</u>													
Training simulator will be built	by De	t 1, 1ACC	TRSS, Luke A	AFB, AZ on	a project w	ork order.							
				P-	1 Shopping	g List Item No	o. 72		Proc	urement H	listory and	d Planning	
										Exhi	bit P-5A, p	age 3 of 6	

Exhibit P-43 p.1, Simula		•	fication (\$ M)					ate: June 2001	
Appropriation (Treasury) Code/C	CC/BA/BSA/Item Co	ntrol Number					P-1 Line Item Nomer	nclature	
Aircraft Procuremen	it, Air Force,	Budget Act	ivity 07, Ai	rcraft Suppo	ort Equipme	ent and	E-4 Post Pro	d Support	
Facilities, Item No. 7	'2	_	-						
Weapon System E-4B									
Equipment Nomenclature:	Unit Training I	Device (UTD)							
Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Proc		1.450							1.450
TRAINING SYSTEM DES	SCRIPTION								
Training on the E-4B aircraf		ted by mission re	equirements and	d mandatory airc	raft maintenance	e. Training d	levices are required	to augment fligh	t and
maintenance training. These		•	•	•		-	•		
			P-1 S	Shopping List It	em No. 72	Sim	nulator and Train	ing Device Jus	stification (\$ M
				opping Liot it		3		_	.1, page 4 of 6

Exhibit P-43 p.2, Sin	nulator and Tra	ining Device	Justification	(\$ M)				Date	: June 2001	,				
Appropriation (Treasury) C Aircraft Procurer Facilities, Item N	ment, Air Fo			7, Aircraft S	Support Ed	quipment a		Item Nomenclate						
Quipment Nomenclature: Unit Training Device (UTD) OC Date														
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	2000	FY 2	2001	FY 2	2002				
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST				
AIRCREW	Offutt AFB, NE	Sep-01	Oct-01	60			1	1.450						
TOTAL							1	1.450						

P-1 Shopping List Item No. 72

Simulator and Training Device Justification (\$ M Exhibit P-43 p.2, page 5 of 6

and Training	g Device Jus	tification (\$	M)				Date:	June 2001		
Sury) Code/CC/BA/BSA/Item Control Number Curement, Air Force, Budget Activity 07, Aircraft Support Equipment and E-4 Post Prod Supp E-4B Intercet Trainers In PLAN FY 2000 FY 2001 FY 2002 To Complete										
rcrew Traine	rs									
								1		
FY 2				FY		To Co	, ·	Total	Costs	
QTY	COST	QTY COST		QTY	COST	QTY	COST	QTY	COST	
		1	0.972					1	0.972	
		1	0.972					1	0.972	
			0.478						0.478	
			0.478						0.478	
	1				1			<u> </u>		
		1	1 450					1	1.450	
3	AA/BSA/Item Cor Air Force, rcrew Traine	BA/BSA/Item Control Number Air Force, Budget Ac rcrew Trainers FY 2000	BA/BSA/Item Control Number Air Force, Budget Activity 07, A rcrew Trainers FY 2000 FY 2		### Air Force, Budget Activity 07, Aircraft Support Equation	Air Force, Budget Activity 07, Aircraft Support Equipment and services FY 2000	Air Force, Budget Activity 07, Aircraft Support Equipment and F-1 Line E-4 Pe F-2000 FY 2000 FY 2001 FY 2002 TO CO QTY COST QTY COST QTY COST QTY O.972 1 0.972 1 0.972 1 0.972	P-1 Line Item Nomenclate P-3 Line Item Nomenclate P-4 Post Prod S	P-1 Line Item Nomenclature E-4 Post Prod Support	

P-1 Shopping List Item No. 72

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

Exhibit P-40, Budget Item Justificati	on		Date: June 2001							
Appropriation (Treasury) Code/CC/BA/BSA/Item	Control Number	P- ⁻	1 Line Item Nomenclature							
Aircraft Procurement, Air Ford	rcraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and									
Facilities, Item No. 73										
Program Element for Code B Items:	27134 Other Rela	ted Program Elements:								

Program Element for Code B	Items:	27134			Other Relat	ed Program	Elements:					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total
Proc Qty	A											
Total Proc Cost (\$ M)		20.714	7.119	7.200	7.409	7.630	7.854	8.034	8.388	8.559	TBD	TBD

Description

NOTE: FY03-FY07 budget numbers do not reflect the DoD Strategic Review results. 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 2002 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. 73

Exhibit P-5, Weapon System Cost Analysi	Date: June 2001										
11 1 2 2 7 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2								P-1 Line Item Nomenclature F-15 Post Prod Support			
Manufacturer's Name/Plant City/State Location	Subline Item										
Weapon System Cost Elements	Ident Code		FY 2000		Total Co	est In Millions FY 2001	s of Dollars		FY 2002		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
Airframe Peculiar Ground Support Equipment (PGSE)	A			0.000			0.000			1.000	
Engine PGSE	A			0.658			0.000			1.000	
SUPPORT COST SUBTOTAL	A			0.658			0.000			2.000	
PPS	A						0.380			0.529	
ICS	A			0.850			0.800			1.000	
Support Contracts	A			3.038			6.020			3.880	
Plant Shutdown	A			2.573			0.000				
TOTAL PROGRAM				7.119			7.200			7.409	
<u>Comments</u>											

P-1 Shopping List Item No. 73

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

Exhibit P-40, Budget Item Justification	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	F-16 Post Prod Support
Facilities, Item No. 74	

Program Eleme	nt for Code B	Items:	N/A			Other Relat	Other Related Program Elements:				F-16 Post Production Support			
		ID Code	Prior Years	Prior Years FY 2000 FY 2001		FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total	
Proc Qty		A	0									0	0	
Total Proc Cost	: (\$ M)		248.800	45.288	31.176	14.542	14.422	12.496	12.973	13.571	12.696		405.964	

Description

The FY03-FY07 budget numbers do not reflect DoD's strategic review results.

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 2002 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. 74

Exhibit P-5, Weapon System Cost Analysis	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Sup	pport Equipment and F-16 Post Prod Support
Facilities, Item No. 74	

Manufacturer's Name/Plant City/State Location				Subline Item	ı					
Lockheed-Martin Tactical Aircraft Systems/Ft. W	√orth, TX									
Weapon System	Ident				Total Cos	st In Millions	of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
	[Total	i		Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A	0		0.000	0		0.000	0		0.000
Armament	A	0	'	0.000	0		0.000	0		0.000
Software	A	0	'	0.000	0		0.000	0		0.000
Engineering Change Orders (ECO)	A	0	'	0.000	0		0.000	0		0.000
FLYAWAY COST SUBTOTAL	A			0.000			0.000			0.000
Airframe Peculiar Ground Support Equipment	A	0	<u> </u>	0.000	0		0.000	0		0.000
(PGSE)			<u> </u>							
Engine PGSE	A	0	<u> </u>	1.775	0		1.542	0		2.602
Avionics PGSE	A	0	'	30.985	0		13.018	0		0.898
Peculiar Training Equipment	A	0	<u> </u>	0.818	0		0.000	0		0.950
ECOs	A	0	'	0.000	0		0.000	0		0.000
Other	A	0		3.515	0		4.714	0		3.600
Distributed Mission Trainer/Exercises	A	0	<u> </u>	0.816	0		2.150	0		0.000
ICS	A	0	<u> </u>	3.016	0		4.004	0		0.500
ICSE	A	0	<u> </u>	4.348	0		2.133	0		3.603
MSAMT (AETC PE 89731F)	A	0		0.000	0		0.000	0		2.389
Reprogramming	A	0		0.015	0		3.615	0		0.000
SUPPORT COST SUBTOTAL	A		<u>'</u>	45.288	'		31.176			14.542
			<u> </u>							
TOTAL PROGRAM			<u> </u>	45.288	<u> </u>		31.176			14.542

Comments

FY00 has a Congressional Plus-up of \$15M for Improved Avionics Intermediate Shop (IAIS).

FY01 has a Congressional Plus-up of \$5.96M for Improved Avionis Intermediate Shop (IAIS).

FY00-FY01 has Distributed Mission Trainer/Exercises added under PE 27697. This is for AF concept demonstration, not F-16 specific.

FY01 PB has \$3.615M BTR from Improved Avionics Intermediate Shop (IAIS) to correct sourcing error.

P-1 Shopping List Item No. 74

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

Exhibit P-5, Weapon System Cost A					Date: June 2001				
Appropriation (Treasury) Code/CC/BA/BSA/Iter					P-1 Line Item N				
Aircraft Procurement, Air For	ce, Budget A	ctivity 07, Aircra	ft Support Equipn	nent and	F-16 Post	Prod Suppo	rt		
Facilities, Item No. 74									
TOTAL PROGRAM			45.288		31.176		14.542		
FY02 has Modular Simulated Aircraft Ma	aintenance Trainer	rs (MSAMT) added und	er PE 89731F.						
		P-1 Shopp	ing List Item No. 74			Weapon Sys	tem Cost Analysis		
						Exhib	oit P-5, page 3 of 7		

Exhibit P-43 p.1, Simulator and Training Device Justification (\$ M)	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	F-16 Post Prod Support
Facilities, Item No. 74	

Weapon System F-16

Equipment Nomenclature: Unit Training Device (UTD)

Fin Plan	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	Total
Proc	0.818	0.000	0.950	1.100	1.125	1.150	1.200	1.200	7.543
Proc	0.000	0.000	2.389	0.000	0.000	0.000	0.000	0.000	2.389

TRAINING SYSTEM DESCRIPTION

The FY03-FY07 budget numbers do not reflect DoD's Strategic review results.

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. 74

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

Exhibit P-43 p.2, Simul	lator and Tra		Date: June 2001								
Appropriation (Treasury) Code Aircraft Procureme Facilities, Item No.	ent, Air For	•	P-1 Line Item Nomenclature F-16 Post Prod Support								
Weapon System F-16											
Equipment Nomenclature: Unit Training Device (UTD)											
IOC Date											
TRAINING	SITE	DELIVERY	READY	AVG	FY 2	.000	FY 2	2001	FY 2	2002	
DEVICE BY TYPE		TIME	TRAINING DATE	STUDENT THROUGH PUT	QTY	COST	QTY	COST	QTY	COST	
MAINTENANCE	[0.000		0.000		0.950	
AIRCREW	<u>'</u>					0.818		0.000		0.000	
MAINTENANCE						0.000		0.000		2.389	
<u>TOTAL</u>						0.818		0.000		3.339	

P-1 Shopping List Item No. 74

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

Exhibit P-43 p.3, Simulator and Training Device Justification (\$ M)	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	F-16 Post Prod Support
Facilities, Item No. 74	

Weapon System F-16

Equipment Nomenclature: Aircrew Trainers

Description:

The Unit Training Device (UTD) is a low-cost, unit level trainer, designed for initial and continuation training in the areas of emergency procedures, LANTIRN, flight

instrument training, air-to-air ai	ilu aii-to-grouii	id weapon syste	ilis delivery.							
FINANCIAL PLAN	FY 2000		FY 2001		FY 2	2002	To Con	nplete	Total Costs	
FINANCIAL FLAN	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		0.000		0.000		0.000	TBD	TBD	TBD	TBD
Total Hardware Costs		0.000		0.000		0.000	0	0.000	0	0.000
Support Costs										
Software Costs		0.818		0.000		0.000	TBD	TBD	TBD	TBD
		0.000		0.000		0.000	TBD	TBD	TBD	TBD
Total Support Costs		0.818		0.000		0.000	0	0.000	0	0.000
							TBD	TBD	TBD	TBD
TOTAL COSTS		0.818		0.000		0.000	0	0.000	0	0.000

P-1 Shopping List Item No. 74

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

Exhibit P-43 p.4, Simulator and Training Device Justification (\$ M)	Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and	F-16 Post Prod Support
Facilities, Item No. 74	

Weapon System F-16

Equipment Nomenclature: 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.

FINANCIAL PLAN	FY 2000		FY 2001		FY 2002		To Complete		Total Costs	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
Hardware Costs										
		0.000		0.000		0.000	TBD	TBD	TBD	TBD
Total Hardware Costs		0.000		0.000		0.000	0	0.000	0	0.000
Support Costs										
		0.000		0.000		0.950	TBD	TBD	TBD	TBD
		0.000		0.000		2.389	TBD	TBD	TBD	TBD
Total Support Costs		0.000		0.000		3.339	0	0.000	0	0.000
							TBD	TBD	TBD	TBD
TOTAL COSTS		0.000		0.000		3.339	0	0.000	0	0.000

P-1 Shopping List Item No. 74

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

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FY 2002 AMENDED BUDGET SUBMISSION BP 14 – INDUSTRIAL PREPAREDNESS JUNE 2001

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Exhibit P-40, Budget Item Justification	Date: June 2001
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	Industrial Preparedness
Facilities, Item No. 75	
	- ,

Program Element for Code B	Items:	N/A			Other Relat	ed Program	Elements:		N/A					
	ID Code	Prior Years	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	To Comp	Total		
Proc Qty	A													
Total Proc Cost (\$ M)			23.963	25.120	25.711	26.070	26.835	27.452	28.024	28.619		211.794		

Description

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

- 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, F-15, 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 2002 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. 75

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

Exhibit P-5, Weapon System Cost Analysis	s							Date: J	une 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control	Number						P-1 Line Item N	lomenclature		
Aircraft Procurement, Air Force, Bu	idget A	ctivity 0	7, Aircraft	Support E	Equipme	ent and	Industrial	Prepare	edness	
Facilities, Item No. 75	•	•	•	• •	• •			•		
Manufacturer's Name/Plant City/State Location				Subline Item						
j										
Weapon System	Ident				Total Co	ost In Million	s of Dollars			
Cost Elements	Code		FY 2000			FY 2001			FY 2002	
				Total			Total			Total
		Qty	Unit Cost	Cost	Qty	Unit Cost	Cost	Qty	Unit Cost	Cost
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A									
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL	A									
Airframe Peculiar Ground Support Equipment	A									
(PGSE)										
Engine PGSE	A									
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other	A									
SUPPORT COST SUBTOTAL	A									
Capital Type Rehabilitation (MPC 3000)	A			7.691			7.432			8.314
Replacement & Modernization (MPC 4000)	A			0.441			0.000			0.000
Industrial Base Assessment (MPC 6000)	A			3.594			4.748			4.926
Environmental Compliance (MPC 7000)	A			12.237			12.940			12.471
TOTAL PROGRAM				23.963			25.120			25.711
Comments										
l						1				
			P-1 Shoppin	g List Item N	lo. 75			Weapo	n System Co	st Analy

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

FY 2002 AMENDED BUDGET SUBMISSION BP 17 – WAR CONSUMABLES JUNE 2001

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			CITOLA	COII ILL	<u> </u>									
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	JUNE 2001							
APPROP CODE/BA	:			P-1 NOME	ENCLATURE:									
APAF/WAR CONSUMAE	BLES			WAR CONSUMABLES (OVERVIEW)										
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007						
QUANTITY														
COST (in Thousands)	\$111,788	\$57,486	\$44,369	\$50,931	\$50,392	\$55,028	\$86,082	\$87,913						
Description: 1. This program prov Tanks, Racks, Adapter Decoys (FOTD), and A inventory objectives acceptable. 2. Funding for the Additional Program of the Additional Progra	rs, Pylons (TRA) Aerial Target Dre cross multiple w	P), Missile Rail L one (ATD) rocket eapon systems.	aunchers, Radio motors. These	Frequency (RI items support	F) (expendable) 7 War Reserve Ma	Γowed Decoy teriel (WRM)	s, Fiber Optic 7 requirements a	Towed and fleet						
Appropriations and tra 3. Items to be procure execution may change 4. This administration only and subject to cha	d with FY00-02 based on the mo	funds are listed o	n the attached F ent needed to s	2-40A followed upport current A	by individual ju Air Force missio	stifications. In requirement	ts.	C						
		P-1 ITEM NO: 76			PAGE NO: 7 - 75		Page	e 1 of 1						

			ONCL	700II I					
BUDGET ITEM JUSTIFICATION F	OR AGGR	REGATED I	TEMS (EXHIE	BIT P- 40A)			DATE: JU	NE 2001	
APPROP CODE/BA: APAF/WAR CONSUMABLES			P	-1 NOMEN 'AR CONSUM					
PROCUREMENT ITEMS	ID	FY2	2000	FY2	001	FY2	002	FY	2003
T NO GONE IN ENTITION	CODE	QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	А	5,791	\$103,950	2,577	\$46,832	1,039	\$22,892		
MINIATURE AIR-LAUNCHED DECOY (MALD)	Α					24	\$5,000		
ITEMS LESS THAN \$5 MILLION	А		\$7,838		\$10,654		\$16,477		
Totals:			\$111,788		\$57,486		\$44,369		
F	P-1 ITEM N 76	10		PAGE N 0 7 - 76	O:			Page 1	of 1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40) DATE: JUNE 2001 P-1 NOMENCLATURE: APPROP CODE/BA: APAF/WAR CONSUMABLES ADVANCED AIRBORNE EXPENDABLE DECOY (AAED) FY2000 FY2002 FY2003 FY2004 FY2005 FY2001 FY2006 FY2007 **QUANTITY** 5.791 2.577 1.039 1.755 2.175 2.413 2.474 2.577 COST (in Thousands) \$46,832 \$44,641 \$103,950 \$22,892 \$34,230 \$40,240 \$45,769 \$47,042 **Description:** 1. Funding for the AAED in FY00 was added through the FY99 Emergency Supplemental Appropriations and transferred to the Air Force from the Overseas Contingency Operations Transfer Fund. 2. 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).
- 3. 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.
- 4. The AAEDs currently budgeted address only F-16 requirements. AAED quantities are not budgeted for the B-1B, because AAED was

P-1 ITEM NO : 76		PAGE NO: 7 - 77		Page 1 of 2
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BUDGET ITEM JUSTIFICATION (I	EXHIBIT P-40)				DATE: JUNE 2	2001
APPROP CODE/BA:			P-1 NOME	NCLATURE:		
APAF/WAR CONSUMABLES			ADVANCED	AIRBORNE EXPEN	NDABLE DECOY (A	AED)
Description (cont.): intended as an interim capability until enters production. However, all funding. 5. Items requested in FY02 are identified.	ng in the Air Force	budget was remo	oved for B-1B	3 IDECM in FY02	and beyond.	
may change based on the most critical						Ç
	P-1 ITEM NO:			PAGE NO:		Page 2 of 2

WEAPON SYSTEM COST ANAL						С	ATE: 、	JUNE 2	2001				
APPROP CODE/BA: APAF/WAR CONSUMABLES					P-1 NOM ADVANCE			ENDABLI	E DECOY	′ (AAED)			
	IDENT		FY2000	<u> </u>		FY2001			FY2002			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
AAED	А	5,791	16,314	94,47	7 2,577	18,173	46,832	1,039	22,033	22,892			
INCENTIVE				6,88	5								
DECOY PAYBACK TO NAVY		141	17,161	2,420	0								
INCENTIVE				168	8								
TOTALS:				103,950	o		46,832			22,892			
FY00 unit cost reduced due to quan	iity piice bre	an. I Tou	TNAVY UIII	i cost mi	grier due to	тиви теч	ullement	or a reerii	iorceu tov	v III ie.			
	P-1 ITEM 76	NO			PAG 7 ·	E NO: - 79					Pa	ige 1 of 1	

BUDGET PROCUREMENT	HISTORY	/ PLANN	IING (EXHIBIT P- 5/	A)		DATE: JU	NE 200)1		
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCL ADVANCED AIRBO	ATURE: DRNE EXPENDABLE DECC	COY (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	5,791	16,314	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	DEC 99	AUG 00			
FY00	141	17,161	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	DEC 99	FEB 01			
FY01	2,577	18,173	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	JAN 01	MAR 02	Y		
FY02	1,039	22,033	AFMC/WR-ALC	OPT/FP	E-SYSTEMS, GOLETA, CA (1)	JAN 02	MAR 03	Y		
	P-1	ITEM N 76	0	PAGE NO 7 - 80	:		Page	1 of	· 1	

PRESIDENT'S BUDGET PRODUCTION SCHEDULE (EXHIBIT P- 21)											<u> </u>									Т	DAT	E:	JU	NE	200)1			
APPROP CODE/BA APAF/WAR CONSUMA	۱:				<u>\</u> -				<u> </u>							E:	IDAI	BLE	DE										
ITEM/MANUFACTURER/	SERV.	PROC.	ACCEP.	BAL		2000						CA	LEND	AR 20	01									NDAR	2002				
PROCUREMENT YEAR	SERV.		PRIOR TO	DUE AS						FY2	001											FY2	002						i
			1 OCT.	OF 1 OCT.	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
AAED																													
FY99	AF	2695	2184	511	190	145	95	81																					
FY00	AF	5791	200	5591	110	155	205	219	284	284	284	284	284	284	284	284	287	300	300	300	300	242	241	264	247	225	200	207	
FY01	AF	2577	0	2577				С														58	59	36	53	75	100	93	2103
FY02	AF	1039	0	1039																С									1039
FY00	N	141	0	141					16	16	16	16	16	16	16	16	13												
TOTALS		12243	2384	9859		300	300	300	300	300	300					300	300	300	300	300	300					300	300	300	3142
ITEM/MANUFACTURER/	SERV.	PROC.	ACCEP.	BAL		2002						CA	LEND	AR 20	03									NDAR	2004				
PROCUREMENT YEAR	OZ.		PRIOR TO	DUE AS						FY2												FY2							
			1 OCT.	OF 1 OCT.	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
AAED																													
FY99	AF	2695	2695	0																									
FY00	AF	5791	6274	0																									
FY01	AF	2577	474	2103	300	300	300	300	300	217	200	98	87																1
FY02	AF	1039	0	1039						83	100	95	95	81	81	81	81	81	81	81	81								18
FY00	N	141	141	0																									
TOTALS		12243	9584	3142	300	300	300	300	300	300	300	193	182	81	81	81	81	81	81	81	81								19
MANUFACTURER'S			RODUCTIO			-					_				_						OCUR	EME	NT LE			-			
NAME AND LOCATION	١	MIN SUS	T 1-8-5	5 M/	4Χ						_				_		ŀ	IIMD	N LEA	D TIN					UFAC	CT.		OTA	
E-SYSTEMS, GOLETA, CA		6	0		300						_				_	PRIO	R TO			AF1	ΓER 1				PLT			OC.	
													NITIA	\L					0				0			0			0
												RI	ORD	ER					0				3			14			17
REMARKS:										T_																			
							PAGE NO: 7 - 81																						

REQUIREMENTS STUDY (EXHI	DATE:	JUNE 2001					
APPROP CODE/BA: APAF/WAR CONSUMABLES				MENCLA ED AIRBOR		BLE DECOY (AAED)	
ASSET DYNAMICS (BY FDP): BEGINNING ASSET POSITION (As of PROCUREMENTS FROM ALL PRIOR YEAR PROCUREMENTS FROM FY2000 FUND PROCUREMENTS FROM FY2001 FUND PROCUREMENTS FROM FY2003 FUND PROCUREMENTS FROM OTHER SOURCE TEST/TRAINING USAGE DISPOSALS (PROJECTED THROUGH AP	AR FUNDING NDING NDING NDING NDING SES	FY20	2,861 1,102 5,791	FY	9,754 2,577	FY2002 12,33	
NEW ASSET POSITION			9,754		12,331	13,370	0 13,370
INVENTORY OBJECTIVE: PEACETIME PIPELINE/STOCK LEVEL PEACETIME STATIC LEVEL WRM OTHER TOTAL INVENTORY OBJECTIVE REMARKS: The inventory objective is based on (NCAA). Quantities/Inventory number				E	EH ELIGIBLE: BY1 REPLACE BY2 REPLACE VEH AUGMENT P-08 Nonnuclea	r Consumables Annu	ıal Analysis
	P-1 ITEM NO 76			GE NO : 7 - 82			Page 1 of 1

			<u> </u>	10011 IL	<u> </u>										
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	JUNE 2001								
APPROP CODE/BA	:			P-1 NOM	IENCLATURE:										
APAF/WAR CONSUMAE	BLES			MINIATUR	MINIATURE AIR LAUNCHED DECOY (MALD)										
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007							
QUANTITY			24												
COST (in Thousands)	\$0	\$0	\$5,000	\$0	\$0	\$0	\$0	\$0_							
Description: 1. The Miniature Air-high subsonic speeds will Integrated Air Defense and control systems, prunits during the engage. 2. MALD has already bombs in the Nose/Tair 3. Items requested in I may change based on the subsection of the subsection.	while mimicking es (IAD) into hor rompting them the ement. been integrated arming option. FY02 are identify	the radar signature oring it as a legitor of engage. This cannot be sometimed on the follow.	re of a strike a timate target wases an adver 12 racks and coing P-5 and are	nircraft. MALD without endanger sary to waste ar easily be interpreted to the control of the con	is utility rests in it ring friendly airconnunition, give a egrated onto any	its ability to stir raft. MALD over away their posi- external rack vectoring.	mulate an adver verloads enemy tion, and freeze which can drop	rsaries command mobile Mk-82 g execution							
		P-1 ITEM NO : 76			PAGE NO : 7 - 83		Page	1 of 1							

BUDGET PROCUREMENT H	IISTORY	/ PLANN	IING (EXHIBIT P- 5/	A)		DATE: JUNE 2001				
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLA MINIATURE AIR LA	ATURE: AUNCHED DECOY (MALD)					
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	
MALD										
FY02	24	208,333	AFMC/WR-ALC	SS/FPIF	NORTHRUP-GRUMMAN, PALMD CA	ALE, JAN 02	JUL 03			
REMARKS:	D 1	ITEM N		PACE NO						
	P-1	ITEM N 76	0	PAGE NO 7 - 84	:		Page	1 of	1	

PRESIDENT'S BUDG	ET PR	ODUC	TION	SCH	EDULE	(E)	(HIE	3IT	P- 2	1)												TAC	E:	JU	NE	200	01			
APPROP CODE/BA APAF/WAR CONSUMA										P-1 MIN	N (OM JRE	EN Alf	CL R LA	AT UNC	UR	E: D D	ECC) Y(ЛAL	D)									
ITEM/MANUFACTURER/	SERV.	PROC.	ACCE	ь	BAL		2000						CA	ALEND	AR 20	001									NDAR	2002				
PROCUREMENT YEAR	SERV.	QTY.	PRIOR	то	DUE AS						FY2													2002						i
			1 OC	T. (OF 1 OCT.	ОСТ	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	Later
MALD																														
FY02	AF	24	-	0	24	<u> </u>													<u> </u>		С									24
																			 											
																														i
																														—
TOTALC		24		0	24																									24
TOTALS		24		0	24		2002						CA	LEND	ΔR 20	nn3								CALE	NDAR	2004				24
ITEM/MANUFACTURER/	SERV.	PROC.	ACCE PRIOR		BAL DUE AS		2002		L		FY2	003	01	(LLIVE	7111 20	000								2004	VD/ (IV	2001				i
PROCUREMENT YEAR		QTY.	1 00		OF 1 OCT.	OCT	NOV	DEC	JAN	FEB			MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB			MAY	JUN	JUL	AUG	SEP	Later
MALD																														
FY02	AF	24		0	24										12	12														
																														—
																			1											
				-+																										
TOTALS		24		0	24										12	12														
MANUFACTURER'S			PRODU																			OCUR	EME	NT LE				1		
NAME AND LOCATION		MIN SU	ST	1-8-5	M	AX	_												ADMII							IUFA	CT.		TOTA	
NORTHRUP-GRUMMAN, PALMDAL	E, CA						-										PRIC	R TC	1 00		AF	ΓER 1	OCT	_		PLT	10		1 OC	
(1)			-				+					-		INITI/ EORE		-				0				3			18 18			21 21
REMARKS:													IX	LOIL	JLIN					U				J			10	<u> </u>		
(1) Production rates TBE) .																													
		P	·1 ITE	M NO 76	0						P	AGE 7 -	E N (0:											F	age	1 0	f 1		

REQUIREMENTS STUDY (EXH	IBIT P- 20)						DATE: JU	NE 2001	
APPROP CODE/BA: APAF/WAR CONSUMABLES				MENCLA RE AIR LAU	TURE: NCHED DEC	OY (MALD)			
ASSET DYNAMICS (BY FDP): BEGINNING ASSET POSITION (As of PROCUREMENTS FROM ALL PRIOR YEAR PROCUREMENTS FROM FY2000 FUN PROCUREMENTS FROM FY2001 FUN PROCUREMENTS FROM FY2002 FUN PROCUREMENTS FROM FY2003 FUN PROCUREMENTS FROM OTHER SOURCE TEST/TRAINING USAGE DISPOSALS (PROJECTED THROUGH AP NEW ASSET POSITION	AR FUNDING NDING NDING NDING NDING ES	FY20	000 0 0	FY	0	FY	2002 24	FY2003	24
INVENTORY OBJECTIVE: PEACETIME PIPELINE/STOCK LEVEL PEACETIME STATIC LEVEL WRM OTHER TOTAL INVENTORY OBJECTIVE				E E	EH ELIGIBLE: BY1 REPLACE BY2 REPLACE VEH AUGMENT				
REMARKS: Quantities/Inventory numbers are cl	assified and availa	ble on request	_						
	P-1 ITEM NO 76			GE NO: 7 - 86				Page 1 of 1	

			OITOL/	(OOII IEE	<u> </u>							
BUDGET ITEM JUS	TIFICATION (I	EXHIBIT P-40)				DATE:	JUNE 2001					
APPROP CODE/BA	:			P-1 NOME	P-1 NOMENCLATURE:							
APAF/WAR CONSUMAE	BLES			ITEMS LES	ITEMS LESS THAN \$5,000,000							
	FY2000	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007				
QUANTITY												
COST (in Thousands)	\$7,838	\$10,654	\$16,477	\$16,701	\$10,152	\$10,387	\$10,739	\$10,985				
Description: 1. The "Items Less that tanks, and fuel tank up requirements ensure contained. 2. All items have an an P-40A and are represent to support current Air in the support current Air in the support current.	ograde kits. The continuation of se nnual procurementative of items	se items are applicative able, supported to the procured. It applies that the procure of the pro	able across muable equipmentan \$5 million	altiple weapon s t over the life of and are code A.	ystems. These in f a weapon system Items requested may change base	itial/replacer n. in FY02 are	nent War Consu	imables e following				
		P-1 ITEM NO: 76			PAGE NO: 7 - 87		Page	1 of 1				

BUDGET ITEM JUSTIFICATION	FOR AGGREGA	ATED ITEMS (EXHIBIT	P- 40A-IL)		DA	TE: J	UNE 20	01
APPROP CODE/BA: APAF/WAR CONSUMABLES			P-1 I	NOMENCLA S LESS THAN \$	TURE: 5,000,000				
			•		FY2	2002			FY2003
PROCUREMENT ITEMS				NSN	QTY.	COST		QTY.	COST
LAU-88A/A TRIPLE RAIL LAUNCHERS					676	\$2,6	97		
LAU-117(V)3/A SINGLE RAIL LAUNCHER					483	\$4,9	90		
LAU-118A(V)4/A SINGLE RAIL MISSILE LA AIRCRAFT LAUNCHER INTERFACE COM					70	\$4,9	98		
TER-9A RACK (ELECTRONIC UPGRADE)					586	\$2,9	28		
650 GAL CRASHWORTHY FUEL TANK AS	SSEMBLY (MH-53)				15	\$3	00		
370 GAL NESTED TANK RELAY KIT (F-16)				960	\$3	64		
AERIAL TARGET DRONE ROCKET MOTO	DR					\$2	20		
TOTALS:						\$16,4	-		
			r					ı	
	P-1 ITEM NO 76			PAGE NO : 7 - 88				Pag	e 1 of 1

FY 2002 AMENDED BUDGET SUBMISSION BP 19 – OTHER PRODUCTION CHARGES JUNE 2001

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Exhibit P-40, Budget Item Justification	on					[Date: June 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item	Control Number					P-1 Line Item Nomen	clature	
Aircraft Procurement, Air Ford	e, Budget A	ctivity 07, Air	rcraft Suppo	rt Equipme	nt and	Miscellaneou	s Production	Charges
Facilities, Item No. 77			• •					
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Proc Qty								
Total Proc Cost (\$ M)	369.567	394.831	324.986					

Description

These programs provide for items which (1) are not directly related to other procurement lines intems in this appropriation, (2) cannot be reasonably allocated and charged to other procurement line items in this appropriation, (3) can be managed as separate end items, and (4) contain certain classified programs.

P-1 Shopping List Item No. 77

Budget Item Justification Exhibit P-40, page 1 of 26

Exhibit P-40A, Budget Item Justification for Aggregated Items		Date: Jui	ne 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equation 1	uipment and	Miscellaneous Prod	uction Charges
Facilities, Item No. 77	<u>'</u>		
Procurement Items (\$M)	FY 2000	FY 2001	<u>FY 2002</u>
NATO AWACS Modernization	70.465	81.288	44.219
B-1	0.000	0.000	0.000
C-130J	0.859	0.000	0.000
C-5 Airborne Broadcast Intelligence (ABI)	1.337	1.357	1.241
Classified Programs	70.299	87.664	70.616
Combat Training Range Equipment	16.736	17.941	13.174
EW Equipment Sustainment	0.000	0.000	5.050
Electronic Warfare Integrated Reprogramming (EWIR)	1.871	0.000	3.024
F-16	0.000	0.000	0.446
F-22	5.949	7.387	0.000
Flight Screening	0.111	0.100	0.110
Intelligence Programs	62.436	82.980	61.042
Judgment Fund Reimbursement	25.000	24.772	45.000
KC-135 Airborne Broadcast Intelligence (ABI)	1.407	1.362	1.407
Precision Attack Systems Procurement	74.743	34.602	36.063
Manned Destructive Suppression	0.000	13.528	0.000
NAVSTAR Global Positioning System (GPS) User Equipment	35.320	38.931	29.659
Pollution Prevention	3.034	-	2.983
Reconnaissance Program	0.000	0.000	10.952
Total	369.567	394.831	324.986

P-1 Shopping List Item No. 77

Budget Item Justification for Aggregated Items Exhibit P-40A, page 2 of 22

Exhibit P-1900, Fact Sheet			Date: June 2001
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	NATO AWACS Modernization
Facilities, Item No. 77			
	MISCELLANEOUS PRO	PRESIDENT'S BUDGET REQUE DUCTION CHARGES FACT SH llars in Millions)	
PROJECT TITLE:	NATO AWACS Moderni	zation	
MODELS OF AIRCRAFT APPLICABLE:	E-3A		
DESCRIPTION/JUSTIFICATION:	provides the U.S. contribut Modernization Programs. Data Link, improved COM Program (RSIP). The Mid multi-sensor integration (laircraft. These Near and Marchael Control of the Control of	tion to the NATO Airborne Early W The Near-Term upgrades include the MSEC equipment, Electronic Support -Term program upgrades the mission MSI), digital communications, satelli	llied forces in the NATO area of operation. This project arning and Control Near-Term and Mid-Term anti-jam radio (Have-Quick A-Nets), JTIDS TADIL-J Measures (ESM) and the Radar System Improvement a computers, provides improved man-machine interfaces, the communications, and adds 5 new consoles to the ATO E-3 aircraft with capabilities to maintain fleet a century.
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE: NATO AWACS-Near/Mid Term	70.465	81.288	44.219
TOTAL COST	70.465	81.288	44.219
	P-1 Shop	ping List Item No. 77	Fact Sh
	• • • • • • • • • • • • • • • • • • • •	. -	Exhibit P-1900, page 3 of

Exhibit P-1900, Fact Sheet			Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N Aircraft Procurement, Air Force, Buc Facilities, Item No. 77		Support Equipment and	P-1 Line Item Nomenclature B-1
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHEET Illars in Millions)	Γ
PROJECT TITLE:	B-1		
MODELS OF AIRCRAFT APPLICABLE:	B-1		
DESCRIPTION/JUSTIFICATION:	carriage of 1000 pound c configurations through C current cluster bomb wea interface to allow carriag	lass air-to-ground weapons. Modules will onventional Weapons Interface Unit (CW pons (CBM-87 'CEM', CBM-89 'Gator', C	IU) firmware. The modules will allow B-1 carriage of CBM-97 'SFW'), and will include a Mil-Std-1760 user (WCMD) versions of cluster munitions. WCMD
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	0.000	0.000	0.000
TOTAL COST	0.000	0.000	0.000
	P-1 Shor	pping List Item No. 77	Fact Sh

07/13/2001 18:41 - FY 2002 PBR (HQ USAF) [Exhibit P-1900, Fact Sheet			Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N			P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Bud	get Activity 07, Aircr	aft Support Equipment and	C-130J
Facilities, Item No. 77			
	FY 2002 AMENDE	ED PRESIDENT'S BUDGET REQUEST	
		PRODUCTION CHARGES FACT SHEE	T
		(Dollars in Millions)	
PROJECT TITLE:	C-130J		
INOUZOI IIIZZI	C 1300		
MODELS OF AIRCRAFT APPLICABLE:	C-130J		
DESCRIPTION/JUSTIFICATION:			
PROJECTED FINANCIAL PLAN:			
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:			
	0.859		
TOTAL COST	0.859		
101112 0001	0.057		
	P-1 SI	hopping List Item No. 77	Fact She
			Exhibit P-1900, page 5 of

ppropriation (Treasury) Code/CC/BA/BSA/Item Control Nu Aircraft Procurement, Air Force, Bud Facilities, Item No. 77			P-1 Line Item Nomenclature
	get Activity 07. Aircraft		
		t Support Equipment and	C-5 Airborne Broadcast Intelligence
	,		(ABI)
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHEE ollars in Millions)	Г
PROJECT TITLE:	C-5 Airborne Broadcast	Intelligence (ABI)	
MODELS OF AIRCRAFT APPLICABLE:	C-5		
DESCRIPTION/JUSTIFICATION:	hostilities during combat providing aircrews with providing aircrews with provided information. Strategic material information capability. It theater. ABI provides in avoid enemy threats under that ABI will be 'snapped	operations. The ABI system addresses the portable, on-aircraft mission equipment to ability often fly extended missions or transformation provided prior to mission deperased threat situational awareness and ever rapidly changing combat conditions. Tel on' to any AMC mobility fleet aircraft we	a deficiency in the ability to protect aircraft from his deficiency and increase aircrew survivability by a receive and display critical, real-time intelligence as it enroute stations without full intelligence arture is often outdated or incomplete upon arrival in nables aircrews to make mission modifications to be o limit system implementation costs, it is envisioned then this capability is needed. these systems are 1-5, and C-17 operational wings as required.
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	1.337	1.357	1.241
COTAL COST	1.337	1.357	1.241
	P-1 Shop	pping List Item No. 77	Fact She Exhibit P-1900, page 6 of

Exhibit P-1900, Fact Sheet			Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No Aircraft Procurement, Air Force, Bud Facilities, Item No. 77		Support Equipment and	P-1 Line Item Nomenclature Classified Programs
	MISCELLANEOUS PRO	PRESIDENT'S BUDGET REQUEST DUCTION CHARGES FACT SHEE lars in Millions)	
PROJECT TITLE:	Classified 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 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	70.299	87.664	70.616
TOTAL COST	70.299	87.664	70.616
	P-1 Shopp	oing List Item No. 77	Fact S Exhibit P-1900, page 7 o

Exhibit P-1900, Fact Sheet	Date: June 2001				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and			P-1 Line Item Nomenclature		
			Combat Training Range Equipment		
Facilities, Item No. 77					
	MISCELLANEOUS PRO	PRESIDENT'S BUDGET REQUES' ODUCTION CHARGES FACT SHI llars in Millions)			
PROJECT TITLE:	Combat Training Range F	Equipment			
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-15, F-16				
DESCRIPTION/JUSTIFICATION:	Air Combat Training Systems (ACTS) provide equipment for Air Force ranges to support training/evaluation of airc and to conduct operational testing of weapons systems and tactics under simulated combat conditions. ACTS provide capability to conduct air-to-air, air-to-surface, and electronic warfare combat, while providing real-time monitoring a control of aircraft and recording events for post-mission debrief and analysis. The Air Force/Navy Joint Tactical Co Training System (JTCTS) program was being developed as the next generation of ACTS. Navy led JTCTS contract stopped in FY01 due to ongoing delays in development/procurement. JTCTS is undergoing an acquisition restructur Pending Congressional approval of a FY01 reprogramming request, the Air Force plans to upgrade P4-series legacy systems to a more state-of-the-art functional configuration by adding Global Positioning System (GPS) receivers and data recorders using FY01/FY02 funds. This effort is known as the P4 Refurbishment Contract (P4RC). FY02 fund will also be used to modify other legacy ACTS to continue upgrade efforts such as maintaining interoperability with Navy ranges and maintaining operation with software upgrades on aircraft such as F-15, F-16, and B-52.				
PROJECTED FINANCIAL PLAN:					
	FY 2000	FY 2001	FY 2002		
BASIS FOR COST ESTIMATE: - JTCTS Lagrany ACTS		0.976			
- Legacy ACTS P4 Refurbishment Contract (P4RC) Other Legacy Systems		15.767 1.198	12.895 0.279		
	P-1 Shor	oping List Item No. 77	Fact Shee		
		F 9 = 101 11011 1101 11	Exhibit P-1900, page 8 of 2		

	xhibit P-1900, Fact Sheet opropriation (Treasury) Code/CC/BA/BSA/Item Control Number ircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and		Date: June 2001 P-1 Line Item Nomenclature Combat Training Range Equipment
Facilities, Item No. 77	FY 2002 AMENDED MISCELLANEOUS PR (Dollars		
ACTS PODS	16.736		
TOTAL COST	16.736	17.941	13.174
	P-1 Shor	pping List Item No. 77	Fact Sh
			Exhibit P-1900, page 9 of

Exhibit P-1900, Fact Sheet			Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 77			P-1 Line Item Nomenclature
			EW Equipment Sustainment
	FY 2002 AMENDED PRESIDE MISCELLANEOUS PRODUCTION (Dollars in	TION CHARGES FACT SHE	ET
PROJECT TITLE:	EW Equipment Sustainment		
MODELS OF AIRCRAFT APPLICABLE:			
DESCRIPTION/JUSTIFICATION:	Funds sustainment of labratory equipment and aircraft system components for the EW Avionics Integrated Supportacility (EWASIF) to provide critical reprogramming of EW systems for all Air Force and Foreign Military Sales customers.		
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	0.000	0.000	5.050
TOTAL COST	0.000	0.000	5.050
	P-1 Shopping Lis	st Item No. 77	Fact S
			Exhibit P-1900, page 10 o

Exhibit P-1900, Fact Sheet	Date: June 2001 P-1 Line Item Nomenclature Electronic Warfare Integrated		
Appropriation (Treasury) Code/CC/BA/BSA/Item Contro			
Aircraft Procurement, Air Force, B			
Facilities, Item No. 77	Reprogramming (EWIR)		
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHE ollars in Millions)	
PROJECT TITLE:	Electronic Warfare Integ	grated Reprogramming (EWIR)	
MODELS OF AIRCRAFT APPLICABLE:			
DESCRIPTION/JUSTIFICATION:	Funds labratory equipment and aircraft sytem components for the EW Avionics Integrated Support Facility (EWASIF) to provide critical reprogramming of EW systems for all Ai and Foreign Military Sales customers.		
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	1.871	0.000	3.024
TOTAL COST	1.871	0.000	3.024
	P-1 Shor	oping List Item No. 77	Fact Sheet

Exhibit P-1900, page 11 of 26

Exhibit P-1900, Fact Sheet		Date: June 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control No Aircraft Procurement, Air Force, Bud		ft Support Equipment and	P-1 Line Item Nomenclature F-16
Facilities, Item No. 77	F-10		
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE ollars in Millions)	Т
PROJECT TITLE:	F-16		
MODELS OF AIRCRAFT APPLICABLE:	F-16 Block 50/52		
DESCRIPTION/JUSTIFICATION:	Other cost associated with Blk 50/52 aircraft being able to support the Destruction of Enemy Defense (DEAD) mi with Advance Targeting Pod (ATP).		
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:			0.446
TOTAL COST			0.446
	P-1 Sho	opping List Item No. 77	Fact Sheet Exhibit P-1900, page 12 of 26

Exhibit P-1900, Fact Sheet			Date: June 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and			P-1 Line Item Nomenclature	
			F-22	
Facilities, Item No. 77			1	
	MISCELLANEOUS PE	PRESIDENT'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 for units necessary for electronic warfare requirements. Additional information is available need-to-know basis.			
PROJECTED FINANCIAL PLAN:				
	FY 2000	FY 2001	FY 2002	
BASIS FOR COST ESTIMATE:	5.949	7.387	0.000	
TOTAL COST	5.949	7.387	0.000	
	P-1 Sho	opping List Item No. 77	Fact Sho	
			Exhibit P-1900, page 13 of	

Exhibit P-1900, Fact Sheet			Date: June 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and			P-1 Line Item Nomenclature Flight Screening	
Facilities, Item No. 77	EV 2002 AMENDED D			
	MISCELLANEOUS PRO	RESIDENT'S BUDGET REQUEST DUCTION CHARGES FACT SHEE' lars in Millions)	Г	
PROJECT TITLE:	Flight Screening			
MODELS OF AIRCRAFT APPLICABLE:	Blanik L-13-AC and L-33-	-Solo Gliders		
DESCRIPTION/JUSTIFICATION:	Near-term replacement of the TG-3/-4/-7 glider fleet is essential. Cadet airmanship programs cannot be supported with current fleet of aircraft. Down time for repair and rebuild, coupled with fatigue failure concerns further limit the utility of existing aircraft. With annual rebuild costs exceeding 60-70% of the total value of new trainer sailplanes, the TG-3/-4/-7 fleet is no longer supportable.			
PROJECTED FINANCIAL PLAN:				
	FY 2000	FY 2001	FY 2002	
BASIS FOR COST ESTIMATE:	0.111	0.100	0.110	
TOTAL COST	0.111	0.100	0.110	

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Exhibit P-1900, Fact Sheet			Date: June 2001	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 77			P-1 Line Item Nomenclature Intelligence Programs	
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST RODUCTION CHARGES FACT SHEE collars in Millions)	ET	
PROJECT TITLE:	Intelligence 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 2000	FY 2001	FY 2002	
BASIS FOR COST ESTIMATE:	62.436	82.980	61.042	
COTAL COST	62.436	82.980	61.042	
	P-1 Shop	pping List Item No. 77	Fact Sł Exhibit P-1900, page 15 o	

Exhibit P-1900, Fact Sheet	Date: June 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 77			P-1 Line Item Nomenclature Judgment Fund Reimbursement	
i aciiities, item No. 11	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHEE Illars in Millions)	т	
PROJECT TITLE:	Judgment Fund Reimbur	sement		
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. To 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 2000 A contractor's claim against the JSTARS contract was settled as an Alternate Dispute Resolution. The contractor was paid the settlement in FY 2000 from the Treasury Department's judgement fund, which the Air Force is required by law to reimburse. Accordingly, the Air Force repayment plan starts in FY2001 and continues through FY 2004.			
PROJECTED FINANCIAL PLAN:				
	FY 2000	FY 2001	FY 2002	
BASIS FOR COST ESTIMATE:	25.000	24.772	45.000	
TOTAL COST	25.000	24.772	45.000	
	P-1 Sho	oping List Item No. 77	Fact She	

Exhibit P-1900, Fact Sheet	Date: June 2001 P-1 Line Item Nomenclature KC-135 Airborne Broadcast Intelligence (ABI)		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 77			
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST CODUCTION CHARGES FACT SHE Collars in Millions)	
PROJECT TITLE:	KC-135 Airborne Broad	cast 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 make mission modifications to avoid enemy threats under rapidly changing conditions.		
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:	1.407	1.362	1.407
TOTAL COST	1.407	1.362	1.407
	, _	oing List Item No. 77	Fact Sh

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Exhibit P-1900, Fact Sheet	Date: June 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and			P-1 Line Item Nomenclature	
			Precision Attack Systems	
Facilities, Item No. 77	Facilities, Item No. 77			
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST CODUCTION CHARGES FACT SHEE ollars in Millions)	T	
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 white 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 2000	FY 2001	FY 2002	
BASIS FOR COST ESTIMATE:	74.743	34.602	36.063	
TOTAL COST	74.743	34.602	36.063	
	P-1 Shop	ping List Item No. 77	Fact Shee	
		F9 =	Exhibit P-1900, page 18 of 20	

Exhibit P-1900, Fact Sheet	Date: June 2001				
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			Manned Destructive Suppression		
Facilities, Item No. 77					
	MISCELLANEOUS PRO	RESIDENT'S BUDGET REQUEST DUCTION CHARGES FACT SHEE lars in Millions)	Т		
PROJECT TITLE:	Manned Destructive Suppr	ression			
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 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 are being used to procure 31 new HTS R6 configured pods.				
PROJECTED FINANCIAL PLAN:					
	FY 2000	FY 2001	FY 2002		
BASIS FOR COST ESTIMATE:		13.528			
TOTAL COST		13.528			
	P-1 Shop	oping List Item No. 77	Fact Sheet Exhibit P-1900, page 19 of 26		

Exhibit P-1900, Fact Sheet			Date: June 2001			
	ppropriation (Treasury) Code/CC/BA/BSA/Item Control Number					
Aircraft Procurement, Air Force, Bud Facilities, Item No. 77	Iget Activity 07, Aircraft	t Support Equipment and	NAVSTAR Global Positioning System (GPS) User Equipment			
	MISCELLANEOUS PR	PRESIDENT'S BUDGET REQUEST ODUCTION CHARGES FACT SHE ollars in Millions)				
PROJECT TITLE:	NAVSTAR Global Posit	ioning System (GPS) User Equipment				
MODELS OF AIRCRAFT APPLICABLE:		52H, C-12, C-130, C/KC-135, C-17, С- Е, F-16 C/D, KC-10, Т-1, СТ/Т-43, UH	-141B, C-20, C-25, C-9, C-5 A/B, C-21A, EC-18B, E-3, -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 2000	FY 2001	FY 2002			
BASIS FOR COST ESTIMATE: Non-recurring/Integration	35.320	38.931	29.659			
TOTAL COST	35.320	38.931	29.659			
	P-1 Shop	ping List Item No. 77	Fact Sheet			
			Exhibit P-1900, page 20 of 26			

Exhibit P-1900, Fact Sheet	Date: June 2001					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu	P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Bud	Pollution Prevention					
Facilities, Item No. 77						
	FY 2002 AMENDED PRESIDENT'S BUDGET REQUEST MISCELLANEOUS PRODUCTION CHARGES FACT SHEET (Dollars in Millions)					
PROJECT TITLE:	Pollution Prevention					
MODELS OF AIRCRAFT APPLICABLE:	N/A					
DESCRIPTION/JUSTIFICATION:	authorized equipment, factorized pollution prevention goals. Executive Order 12856 at Prevention Strategy. This harmful releases of hazard recovery equipment, recy	cility projects, and services that must be s. These goals are a direct result of the F and 12873, the DoD Comprehensive Poll budget item identifies the pollution predous and toxic materials to the air, land, cling equipment, efforts to reduce solid	CO) facilities throughout the Air Force require and are acquired to accomplish the DoD and Air Force Pollution Prevention Act of 1990, Montreal Protocol, ution Prevention Strategy, and the Air Force Pollution vention initiatives required to reduce and prevent and water. It includes requirements such as refrigeran waste generation, enhance hazardous material dipoportunity assessments to identify pollution			
PROJECTED FINANCIAL PLAN:						
	FY 2000	FY 2001	FY 2002			
BASIS FOR COST ESTIMATE:	3.034	2.919	2.983			
TOTAL COST	3.034	2.919	2.983			
	P-1 Shopp	oing List Item No. 77	Fact Sh			

		Date: June 2001			
ropriation (Treasury) Code/CC/BA/BSA/Item Control Number rcraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and cilities, Item No. 77					
MISCELLANEOUS PRODUCT	TION CHARGES FACT SHEE	ET			
Reconnaissance Program					
N/A					
		n pertaining to DARP programs is classified and			
FY 2000	FY 2001	FY 2002			
0.000	0.000	10.952			
0.000	0.000	10.952			
P-1 Shopping Lis	st Item No. 77	Fact Sho Exhibit P-1900, page 22 of			
	FY 2002 AMENDED PRESIDENT MISCELLANEOUS PRODUCT (Dollars in Reconnaissance Program N/A Defense Airborne Reconnaissance available on a need-to-know basi FY 2000 0.000 0.000	FY 2002 AMENDED PRESIDENT'S BUDGET REQUEST MISCELLANEOUS PRODUCTION CHARGES FACT SHEI (Dollars in Millions) Reconnaissance Program N/A Defense Airborne Reconnaissance Program (DARP). Informatio available on a need-to-know basis. FY 2000 FY 2001 0.000 0.000			

Exhibit P-40, Budget Item Justification								Date: June 2001	
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 and	Common Electronic			
Facilities, Item No. 78						Countermeasures (CECM)			
	FY 2000	FY 2001		FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007
Proc Qty									
Total Proc Cost (\$ M)	11.569	4.7	791	1.200					

Description

These programs prov	vide for electronic countermeasu	res and related support equipment	which: (1) is not direc	tly related to other proc	curement line items in t	his appropriation; (2)
cannot be reasonably	allocated and charged to other	procurement line items in this appr	ropriation; and (3) can	be managed as separate	e end items.	

P-1 Shopping List Item No. 78

Budget Item Justification Exhibit P-40, page 23 of 26

Exhibit P-1900, Fact Sheet			Date: June 2001
Appropriation (Treasury) Code/CC/BA/BSA/Item Control N	P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Bud	Common Electronic		
Facilities, Item No. 78	, , , , , , , , , , , , , , , , , , , ,	The state of the s	Countermeasures (CECM)
	COMMON ELECTRONIC	PRESIDENT'S BUDGET REQUEST CS COUNTERMEASURES FACT S dlars in Millions)	
PROJECT TITLE:	Common Electronic Cour	ntermeasures (CECM)	
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-16 and Target Dr	rones (QF-4 & BQM-34)	
DESCRIPTION/JUSTIFICATION:	Program provides sustain A-10s and F-16s) and rela		184 EW pods (primary self-protection equipment for
	Program procures ALQ-1 countermeasures and jam	s for target drones. Pods simulate threat aircraft electronic	
PROJECTED FINANCIAL PLAN:			
	FY 2000	FY 2001	FY 2002
BASIS FOR COST ESTIMATE:			
ALQ-131 and 184 EW pods	11.569	4.791	0.000
ALQ-188B and DLQ-9 electronic attack pods	0.000	0.000	1.200
TOTAL COST	11.569	4.791	1.200
	P-1 Sho	pping List Item No. 78	Fact She
			Exhibit P-1900, page 24 of

Exhibit P-40, Budget Item Justification	on					Date: June 2001			
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						Defense Airborne Reconnaissance			
Facilities, Item No. 79						Program (DARP)			
	FY 2000	FY 2001	FY 2002	FY 2003	FY 2004	FY 2005	FY 2006	FY 2007	
Proc Qty									
Total Proc Cost (\$ M)	129.871	13.945	90.329						

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. 79

Budget Item Justification Exhibit P-40, page 25 of 26

Exhibit P-1900, Fact Sheet			Date: June 2001			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Nu Aircraft Procurement, Air Force, Bud Facilities, Item No. 79	P-1 Line Item Nomenclature Defense Airborne Reconnaissance Program (DARP)					
	MANNED RECONN	D PRESIDENT'S BUDGET REQUEST NAISSANCE SYSTEMS FACT SHEET Dollars in Millions)				
PROJECT TITLE:	Defense Airborne Reco	onnaissance 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 2000	FY 2001	FY 2002			
BASIS FOR COST ESTIMATE:	129.871	13.945	90.329			
TOTAL COST	129.871	13.945	90.329			

Fact Sheet

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P-1 Shopping List Item No. 79