

# **UNITED STATES AIR FORCE**

## **Committee Staff Procurement Backup Book**

**FY 2008/2009 Budget Estimates**



**February 2007**

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**AIRCRAFT PROCUREMENT, AIR FORCE  
VOLUME I**

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OPR: SAF/FMB



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## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

<b><u>SECTION 1 ~ APPROPRIATION LANGUAGE</u></b>	3
<b><u>SECTION 2 ~ GLOSSARY/ORGANIZATIONS/TERMS</u></b>	6
<b><u>SECTION 3 ~ USAF FY 2007 Procurement Program, 3010F Aircraft, Exhibit P-1</u></b>	14
<b><u>SECTION 4 ~ P-1 LINE ITEM DETAIL</u></b>	
<b><u>BUDGET ACTIVITY 01: COMBAT AIRCRAFT</u></b>	
<b><u>TACTICAL FORCES</u></b>	
P-1 Line Item No. 1 - JOINT STRIKE FIGHTER (JSF)	1- 1
P-1 Line Item No. 2 - JOINT STRIKE FIGHTER (JSF) Advance Procurement	1- 9

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 3 - F-22 RAPTOR	1– 13
P-1 Line Item No. 4 - F-22 RAPTOR Advance Procurement	1– 23
P-1 Line Item No. 5 - F-15E	1– 27

### **BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT**

#### **TACTICAL AIRCRAFT**

P-1 Line Item No. 6 - C-17A (MYP)	2 – 1
P-1 Line Item No. 7 - C-17A (MYP) Advance Procurement	2 – 11

#### **OTHER AIRCRAFT**

P-1 Line Item No. 8 - C-130J	2 – 15
P-1 Line Item No. 9 - C-130J Advance Procurement	2 – 25

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 9a - HC-130Recap	2 – 29
P-1 Line Item No. 10 - HC-130Recap Advance Procurement	2 – 33
P-1 Line Item No. 10a - KC-X Advance Procurement	2 – 37
P-1 Line Item No. 10b - JOINT CARGO AIRCRAFT (LCA)	2 – 41
P-1 Line Item No. 10c - MC-130 Recap	2 – 45
P-1 Line Item No. 11 - MC-130 Recap AP	2 – 49

### **BUDGET ACTIVITY 03: TRAINER AIRCRAFT**

#### **OPERATIONAL TRAINERS**

P-1 Line Item No.12 - JPATS	3 – 1
-----------------------------	-------

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

### **BUDGET ACTIVITY 04: OTHER AIRCRAFT**

#### **HELICOPTERS**

P-1 Line Item No. 12a - CSAR-X Advanced Procurement	4 – 1
P-1 Line Item No. 13 - CV-22 OSPREY	4 – 5
P-1 Line Item No. 14 - CV-22 OSPREY Advance Procurement	4 – 13

#### **MISSION SUPPORT AIRCRAFT**

P-1 Line Item No. 14a - C-29A	4 – 17
P-1 Line Item No. 15 - C-40	4 – 19
P-1 Line Item No. 16 - CIVIL AIR PATROL A/C (CAP)	4 – 23

#### **OTHER AIRCRAFT**

P-1 Line Item No. 17 - TARGET DRONES	4 – 29
--------------------------------------	--------

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 18 - C-37A	4 – 41
P-1 Line Item No. 19 - GLOBAL HAWK	4 – 45
P-1 Line Item No. 20 - GLOBAL HAWK Advance Procurement	4 – 71
P-1 Line Item No. 22 - MQ-9	4 – 75
P-1 Line Item No. 21 - PREDATOR UAV	4 – 82

### **BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT** (SUBMITTED AS VOLUME II)

### **BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS**

#### **AIRCRAFT SPARES AND REPAIR PARTS (BP-1500/1600)**

P-1 Line Item No. 63 - INITIAL SPARES/REPAIR PARTS	6 – 1
--	-------

### **BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES**

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

### COMMON SUPPORT EQUIPMENT (BP-1200)

P-1 Line Item No. 64 - AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT 7 – 1

### POST PRODUCTION SUPPORT (BP-1300)

P-1 Line Item No. 65 - B-1 7 – 37

P-1 Line Item No. 66 - B-2A 7 – 39

P-1 Line Item No. 67 - B-2A ICS 7 – 41

P-1 Line Item No. 68 - B-52 7 – 43

P-1 Line Item No. 69 - C-5 7 – 45

P-1 Line Item No. 70 - C-21 7 – 47

P-1 Line Item No. 71 - C-130 7 – 49

P-1 Line Item No. 72 - EC-130J 7 – 51

# UNCLASSIFIED

## Volume 1 TABLE OF CONTENTS FY 2008/2009 Budget Estimates AIRCRAFT PROCUREMENT, AIR FORCE (3010)

P-1 Line Item No. 73 - F-15	7 – 53
P-1 Line Item No. 74 - F-16	7 – 55
P-1 Line Item No. 74a - JPATS	7 – 57
P-1 Line Item No. 75 - OTHER AIRCRAFT	7 – 59
<b><u>INDUSTRIAL PREPAREDNESS (BP-1400)</u></b>	
P-1 Line Item No. 76 - INDUSTRIAL RESPONSIVENESS	7 – 63
<b><u>WAR CONSUMABLES (BP-1700)</u></b>	
P-1 Line Item No. 79 - WAR CONSUMABLES	7 – 67
<b><u>OTHER PRODUCTION CHARGES (BP-1900)</u></b>	
P-1 Line Item No. 80 - OTHER PRODUCTION CHARGES	7 – 80
P-1 Line Item No. 81 - DEPOT MODERNIZATION	7 – 104

**UNCLASSIFIED**

**Volume 1**  
**TABLE OF CONTENTS**  
**FY 2008/2009 Budget Estimates**  
**AIRCRAFT PROCUREMENT, AIR FORCE (3010)**

**DARP**

P-1 Line Item No. 84 - DARP

7-106

viii

**UNCLASSIFIED**

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FY 2008/2009 BUDGET ESTIMATES

FEBRUARY 2007

**SECTION 1:**  
**APPROPRIATION LANGUAGE**

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**AIRCRAFT PROCUREMENT  
AIR FORCE**

For construction, procurement, and modification of aircraft and equipment, including armor and armament, specialized ground handling equipment, and training devices, spares parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things, \$12,393,270,000 to remain available for obligation until September 30, 2010.

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FY 2008/2009 BUDGET ESTIMATES

FEBRUARY 2007

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

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**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**

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**PY - Prior Year**  
**R&M - Reliability and Maintainability**  
**RAA - Required Asset Availability**  
**RDT&E - Research, Development, Test and Evaluation**  
**RVSM - Reduced Vertical Separation Minimum**  
**RWR - Radar Warning Receiver**  
**ROM - Rough Order of Magnitude**  
**SAM - Surface-to-Air Missile**  
**SS - Sole Source**  
**SOF - Special Operation Force**  
**TAF - Tactical Air Force**  
**TCAS - Traffic Collision Alert and Avoidance System**  
**TEWS - Tactical Electronic Warfare System**  
**TISS - TEWS Intermediate Support System**  
**TOA - Total Obligation Authority**  
**WMP - War Mobilization Plan**  
**WRM - War Reserve Material**  
**WST - Weapon System Trainer**  
**UAV - Unmanned Aerial Vehicle**  
**UHF - Ultra High Frequency**  
**USA - United States of America**  
**VHSIC - Very High Speed Integrated Circuit**

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**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**

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## 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

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**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

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FY 2008/2009 BUDGET ESTIMATES

FEBRUARY 2007

**SECTION 3:**

**3010F AIRCRAFT, EXHIBIT P-1**

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DEPARTMENT OF THE AIR FORCE

FY 2008 PROCUREMENT PROGRAM

SUMMARY  
(\$ IN MILLIONS)

22 JAN 2007

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY	FY 2006	FY 2007	FY 2008
01. COMBAT AIRCRAFT	3,753.5	3,956.9	5,081.1
02. AIRLIFT AIRCRAFT	4,424.7	5,131.2	1,622.4
03. TRAINER AIRCRAFT	328.8	304.0	245.9
04. OTHER AIRCRAFT	973.0	1,017.0	1,548.1
05. MODIFICATION OF INSERVICE AIRCRAFT	2,396.7	2,592.4	3,150.2
06. AIRCRAFT SPARES AND REPAIR PARTS	183.2	239.5	267.4
07. AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES	1,085.9	686.6	1,158.3
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	13,145.8	13,927.7	12,393.3

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DEPARTMENT OF THE AIR FORCE  
FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006		FY 2007		FY 2008		S X C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 01: COMBAT AIRCRAFT									
TACTICAL FORCES									
1	F-35	A			2	(995.3)	6	(1,391.8)	U
	LESS: ADVANCE PROCUREMENT (PY)					(-117.4)		(-93.7)	U
						477.8		1,298.2	
2	F-35								
	ADVANCE PROCUREMENT (CY)			117.4		93.7		123.5	U
	(FY 2006 FOR FY 2007) (MEMO)			(117.4)					
	(FY 2007 FOR FY 2008) (MEMO)					(93.7)			
	(FY 2008 FOR FY 2009) (MEMO)							(123.5)	
3	F-22A	A	23	(3,680.7)	20	(3,129.7)	20	(3,738.0)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-473.9)		(-429.1)		(-585.3)	U
				3,206.9		2,700.6		3,152.7	
4	F-22A								
	ADVANCE PROCUREMENT (CY)			429.1		684.9		426.7	U
	(FY 2006 FOR FY 2007) (MEMO)			(429.1)					
	(FY 2007 FOR FY 2008) (MEMO)					(585.3)			
	(FY 2007 FOR FY 2009) (MEMO)					(99.6)			
	(FY 2008 FOR FY 2009) (MEMO)							(426.7)	
5	F-15E	A		(.3)					U
	LESS: ADVANCE PROCUREMENT (PY)			(-.2)					U
				*					
TOTAL COMBAT AIRCRAFT				3,793.5		3,956.9		5,001.1	

DEPARTMENT OF THE AIR FORCE  
FY 2006 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

## MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006		FY 2007		FY 2008		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT									
TACTICAL AIRLIFT									
6	C-17A (MYP)	A	15	(3,359.1)	22	(5,235.2)		(260.6)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-467.3)		(-888.0)			U
				2,791.8		4,347.2		260.6	
7	C-17A (MYP)								
	ADVANCE PROCUREMENT (CY)			657.3					U
	(FY 2006 FOR FY 2007) (MEMO)			(657.3)					
OTHER AIRLIFT									
8	C-130J	A	21	(1,035.8)	9	(804.0)	9	(799.7)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-139.3)		(-109.7)		(-113.5)	U
				896.7		694.3		686.1	
9	C-130J								
	ADVANCE PROCUREMENT (CY)			78.9		89.7			U
	(FY 2006 FOR FY 2007) (MEMO)			(78.9)					
	(FY 2007 FOR FY 2008) (MEMO)					(89.7)			
10	HC-130 RECAP							10.0	U
	ADVANCE PROCUREMENT (CY)							(10.0)	
	(FY 2006 FOR FY 2009) (MEMO)								
11	MC - 130 RECAP							65.7	U
	ADVANCE PROCUREMENT (CY)							(65.7)	
	(FY 2006 FOR FY 2009) (MEMO)								
TOTAL AIRLIFT AIRCRAFT				4,424.7		5,131.2		1,022.4	
BUDGET ACTIVITY 03: TRAINER AIRCRAFT									
OPERATIONAL TRAINERS									
12	JPATS	A	54	328.8	48	304.0	39	245.9	U
TOTAL TRAINER AIRCRAFT				328.8		304.0		245.9	

DEPARTMENT OF THE AIR FORCE  
FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

		MILLIONS OF DOLLARS							
LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	S E C
BUDGET ACTIVITY 04: OTHER AIRCRAFT									
HELICOPTERS									
13	V22 OSPREY	A	2	(230.1)	2	(218.2)	5	(474.0)	U
	LESS: ADVANCE PROCUREMENT (FY)			(-10.9)		(-10.4)		(-20.2)	U
				219.3		207.8		453.8	
14	V22 OSPREY								
	ADVANCE PROCUREMENT (CY)			10.4		34.3		41.2	U
	(FY 2006 FOR FY 2007) (MEMO)			(10.4)					
	(FY 2007 FOR FY 2008) (MEMO)					(20.2)			
	(FY 2007 FOR FY 2009) (MEMO)					(4.5)			
	(FY 2007 FOR FY 2010) (MEMO)					(3.3)			
	(FY 2007 FOR FY 2011) (MEMO)					(3.0)			
	(FY 2007 FOR FY 2012) (MEMO)					(3.3)			
	(FY 2008 FOR FY 2009) (MEMO)							(24.6)	
	(FY 2008 FOR FY 2010) (MEMO)							(5.7)	
	(FY 2008 FOR FY 2011) (MEMO)							(5.2)	
	(FY 2008 FOR FY 2012) (MEMO)							(5.7)	
MISSION SUPPORT AIRCRAFT									
15	C-40	B					2	48.6	U
16	CIVIL AIR PATROL A/C	A		6.5		10.2		4.5	U
OTHER AIRCRAFT									
17	TARGET DRONES	A		78.6		81.7		85.6	U
18	C-37A	A	1	45.2					U
19	GLOBAL HAWK	A	5	(355.7)	5	(461.4)	5	(564.7)	U
	LESS: ADVANCE PROCUREMENT (FY)			(-60.2)		(-64.1)		(-50.7)	U
				395.4		397.3		514.0	
20	GLOBAL HAWK								
	ADVANCE PROCUREMENT (CY)			64.1		50.7		63.8	U
	(FY 2006 FOR FY 2007) (MEMO)			(64.1)					
	(FY 2007 FOR FY 2008) (MEMO)					(50.7)			
	(FY 2008 FOR FY 2009) (MEMO)							(63.8)	

DEPARTMENT OF THE AIR FORCE  
FY 2008 PROCUREMENT PROGRAM

EXHIBIT F-1

APPROPRIATION: 3019F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS						S E C
			FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	
21	MQ-1	A	26	293.6	26	235.0	24	278.0	U
22	MQ-9						4	58.9	U
TOTAL OTHER AIRCRAFT				973.0		1,017.0		1,548.1	
BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT									
STRATEGIC AIRCRAFT									
23	B-3A	A		61.3		193.6		316.1	U
24	B-1B	A		33.5		53.1		53.1	U
25	B-52	A		128.5		69.9		18.1	U
26	F-117	A		7.7		2.0			U
TACTICAL AIRCRAFT									
27	A-10	A		72.0		106.9		167.1	U
28	F-15	A		192.8		164.3		19.2	U
29	F-16	A		418.2		366.3		329.4	U
30	F-22A	A		52.9		145.6		281.9	U
AIRLIFT AIRCRAFT									
31	C-5	A		(91.9)		(160.9)		(198.5)	U
	LESS: ADVANCE PROCUREMENT (FY)					(-19.7)		(-66.5)	U
				91.9		161.2		332.0	
32	C-5			19.7		66.5		66.7	U
	ADVANCE PROCUREMENT (CY)								
	{FY 2006 FOR FY 2007} (MEMO)			(19.7)					
	{FY 2007 FOR FY 2008} (MEMO)					(56.5)			
	{FY 2008 FOR FY 2009} (MEMO)							(66.7)	
33	C-17A	A		248.5		250.5		211.2	U
34	C-21	A		7.1		1.1		13.9	U

DEPARTMENT OF THE AIR FORCE  
FY 2008 PROCUREMENT PROGRAM

EXHIBIT F-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS						B C
			FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	FY 2008 QUANTITY	FY 2008 COST	
35	C-32A	A		34.2		5.2		1.6	U
36	C-37A	A		.3		.4		.4	U
TRAINER AIRCRAFT									
37	GLIDER MODS	A		3.0		.1		.1	U
38	T-6	A		6.1		6.1		17.1	U
39	T-1	A		.2		.2		*	U
40	T-38	A		212.3		143.2		130.8	U
41	T-43	A		1.6		2.1		2.2	U
OTHER AIRCRAFT									
42	KC-108 (ATCA)	A		19.7		6.7		1.9	U
43	C-12	A		6.2		.9		.5	U
44	C-20 MODS	A		.4		.5		.5	U
45	VC-25A MOD	A		12.8		1.0		28.4	U
46	C-40	A		.3		.2		.2	U
47	C-130	A		180.2		182.6		384.4	U
48	C130J MODS	A		5.9		18.9		63.3	U
49	C-135	A		93.7		86.2		118.6	U
50	COMPASS CALL MODS	A		29.5		46.6		49.3	U
51	C-28A MODS	A		3.7					U
52	DARF	A		108.6		89.5		106.1	U
53	E-3	A		48.8		64.3		54.3	U
54	E-4	A		72.1		9.6		19.7	U
55	E-8	A		34.6		137.6		79.7	U

DEPARTMENT OF THE AIR FORCE  
FY 2008 PROCUREMENT PROGRAM

EXHIBIT F-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

MILLIONS OF DOLLARS									
LINE		IDENT	FY 2006		FY 2007		FY 2008		S
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	E
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56	H-1	A		33.8		40.3		22.1	U
57	H-60	A		60.0		16.7		19.6	U
58	GLOBAL HAWK MODS	A				4.6		24.3	U
59	OTHER AIRCRAFT	A		61.0		94.1		109.5	U
60	MQ-1 MODS	A		29.9		58.0		74.7	U
61	MQ-9 MODS							20.6	U
62	CV-22 MODS	A		3.6		.4		16.5	U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT				2,396.7		2,592.4		3,150.2	
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS									
-----									
AIRCRAFT SPARES + REPAIR PARTS									
63	INITIAL SPARES/REPAIR PARTS	A		183.2		239.6		267.4	U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS				183.2		239.6		267.4	
BUDGET ACTIVITY 07: AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES									
-----									
COMMON SUPPORT EQUIPMENT									
64	AIRCRAFT REPLACEMENT SUPPORT EQUIP	A		122.0		101.7		111.1	U
POST PRODUCTION SUPPORT									
65	B-1	A		13.3		10.3			U
66	B-2A	A		6.9		7.7			U
67	B-2A	A		27.0		11.7		34.8	U
68	B-52	A		18.7		8.1			U
69	C-5	A						18.3	U
70	C-21							14.9	U

DEPARTMENT OF THE AIR FORCE  
 FY 2008 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 22 JAN 2007

MILLIONS OF DOLLARS									
LINE		IDENT	FY 2006		FY 2007		FY 2008		
NO	ITEM NOMENCLATURE	CODE	QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	S
----	-----	----	-----	-----	-----	-----	-----	-----	E
									C
71	C-130	A		20.2				16.9	U
72	EC-130J	A						5.3	U
73	F-15	A		13.0		10.7		5.6	U
74	F-16	A		17.6		12.2		19.5	U
75	OTHER AIRCRAFT	A						101.9	U
INDUSTRIAL PREPAREDNESS									
76	INDUSTRIAL RESPONSIVENESS	A		21.9		23.4		23.9	U
WAR CONSUMABLES									
77	WAR CONSUMABLES	A		24.1		25.3		86.7	U
OTHER PRODUCTION CHARGES									
78	OTHER PRODUCTION CHARGES	A		663.1		452.7		693.1	U
79	DEPOT MODERNIZATION	A				1.4			U
CLASSIFIED PROGRAMS									
80	CLASSIFIED PROGRAMS	A							
81	CLASSIFIED ACTIVITIES	A							
82	SPECIAL PROGRAMS	A							
OTHER PRODUCTION CHARGES - SOF									
83	CANCELLED ACCT ADJUSTMENTS	A		1.2					U
DARF									
84	DARF	A		125.7		13.0		27.9	U
TOTAL AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES				1,085.9		686.6		1,158.3	
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE				13,145.8		13,927.7		12,393.3	

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FY 2008/2009 BUDGET ESTIMATES

FEBRUARY 2007

**SECTION 4:**

**P-1 LINE ITEM DETAIL**

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**FY 2008/2009 PROGRAM & BUDGET REVIEW SUBMISSION**

**BUDGET ACTIVITY 01 – COMBAT AIRCRAFT**

**FEBRUARY 2007**

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**"In accordance with the President's Management Agenda, Budget and Performance Integration initiative, this program has been assessed using the Program Assessment Rating Tool (PART). Remarks regarding program performance and plans for performance improvement can be located at the [Expectmore.gov](http://Expectmore.gov) website."**

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Exhibit P-40, Budget Item Justification								Date: February 2007				
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. 1								F-35				
Program Element for Code B Items:			N/A			Other Related Program Elements:			0604800F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A			2	6	8	12	24	42	48	TBD	TBD
Cost (\$ M)				477.823	1298.167	1659.691	2102.904	2957.096	4189.527	4377.685	TBD	TBD
Advance Proc Cost (\$ M)			117.447	93.657	123.539	136.904	231.764	358.194	365.977	468.838	TBD	TBD
Weapon System Cost (\$ M)		0.000	117.447	571.480	1421.706	1796.595	2334.668	3315.290	4555.504	4846.523	TBD	TBD
Initial Spares (\$ M)			0.000	77.011	40.007	109.696	122.635	228.821	358.581	376.115	TBD	TBD
Total Proc Cost (\$ M)		0.000	117.447	648.491	1461.713	1906.291	2457.303	3544.111	4914.085	5222.638	TBD	TBD
Flyaway Unit Cost (\$ M)			0.000	243.570	200.100	199.328	162.523	118.462	93.896	83.933	TBD	TBD
Wpn Sys Unit Cost (\$ M)			0.000	285.740	236.951	224.574	194.556	138.137	108.464	100.969	TBD	TBD

**Description**

The Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN with the Carrier Variant (CV), the USAF with the Conventional Take Off and Landing (CTOL) variant, the USMC with the Short Take-Off and Vertical Landing (STOVL) variant, and allies, with optimum commonality among the variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy (DoN) and the Department of the Air Force (DoAF) and currently resides with the Navy. The F-35 is the next generation strike fighter which will increase aero performance, stealth signature and countermeasures. Its advanced avionics, data links and adverse weather precision targeting will incorporate the latest technology available. The F-35 has increased range with internal fuel and will include superior weaponry over existing aircraft. The highly supportable, affordable, state-of-the-art aircraft will command and maintain global air superiority. The production cost and quantities are interdependent due to one manufacturer for the program. Navy procurement begins in FY08 with Long-Lead in FY07.

**FY 2008 Program Justification**

USAF funding supports procurement of 6 CTOL aircraft and advanced procurement for 8 CTOL aircraft.

**FY 2009 Program Justification**

USAF funding supports procurement of 8 CTOL aircraft and advanced procurement for 12 CTOL aircraft.

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<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1</b>	P-1 Line Item Nomenclature <b>F-35</b>

Manufacturer's Name/Plant City/State Location Lockheed Martin/Ft Worth TX	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe/CFE	A				2	127.515	255.030	6	113.166	678.994	8	95.884	767.069
CFE Electronics	A				2	47.335	94.670	6	36.989	221.935	8	32.920	263.360
GFE Electronics	A												
Engines/Eng ACC	A				2	12.665	25.330	6	11.930	71.582	8	11.036	88.286
Armament	A												
ECO (Flyaway)	A				2	14.370	28.740	6	9.367	56.203	8	5.483	43.866
Subtotal Recurring Flyaway							403.770			1028.714			1162.581
Non-Recurring Cost	A						74.110			150.775			406.853
Ancillary Equip	B						9.260			21.111			25.191
Subtotal Non-Recurring Flyaway							83.370			171.886			432.044
Peculiar Ground Support Equipment	B						16.261			28.883			27.410
Peculiar Training Equipment	B						11.184			19.866			18.853
Publication/Technical Equipment	B						1.940			3.446			3.270
Field Support/ILS	B						38.543			68.460			64.970
Production Engineering Support	B						40.206			70.567			74.103
Subtotal Support Cost							108.134			191.222			188.606
Gross P-1 Cost							595.270			1391.824			1783.230
Advance Procurement Credit	A						-117.447			-93.657			-123.539
Net P-1 Cost							477.823			1298.167			1659.691
Advance Procurement	A			117.447			93.657			123.539			136.904
Weapon System Cost				117.447			571.480			1421.706			1796.595
Initial Spares							77.011			40.007			109.696
<b>TOTAL PROGRAM</b>				117.447			571.480			1421.706			1796.595

Comments

NOTE: 1) Total Program does not include Initial Spares. Initial Spares added in total on P-40.  
2) Nonrecurring Costs includes funding for Diminishing Manufacturing Sources (DMS) necessary to protect JSF delivery schedule

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Exhibit P-5A, Procurement History and Planning								Date: February 2007			
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. 1								F-35			
Weapon System					Subline Item						
JSF											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Lockheed Martin (FY07)	2	189.220	Arlington, VA	Mar-07	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	May-07	Jan-10	Yes	
Pratt & Whitney (FY07)	2	12.665	Arlington, VA	Feb-06	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Apr-07	Apr-08	Yes	
Lockheed Martin (FY08)	6	159.522	Arlington, VA	Feb-07	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-08	Mar-10	Yes	
Pratt & Whitney (FY08)	6	11.930	Arlington, VA	Feb-07	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-08	Dec-09	Yes	
Lockheed Martin (FY09)	8	134.287	Arlington, VA	Feb-08	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-09	Mar-11	Yes	
Pratt & Whitney (FY09)	8	11.036	Arlington, VA	Feb-08	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-09	Apr-10	Yes	
Lockheed Martin (FY10)	12	106.812	Arlington, VA	Feb-09	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-10	Jan-12	Yes	
Pratt & Whitney (FY10)	12	10.625	Arlington, VA	Feb-09	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-10	Apr-11	Yes	
Lockheed Martin (FY11)	24	87.112	Arlington, VA	Feb-10	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-11	Jan-13	Yes	
Pratt & Whitney (FY11)	24	9.988	Arlington, VA	Feb-10	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-11	Apr-12	Yes	
Lockheed Martin (FY12)	42	75.552	Arlington, VA	Feb-11	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-12	Jan-14	Yes	
Pratt & Whitney (FY12)	42	8.964	Arlington, VA	Feb-11	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-12	Apr-13	Yes	
Lockheed Martin (FY13)	48	69.069	Arlington, VA	Feb-12	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Feb-13	Jan-15	Yes	
Pratt & Whitney (FY13)	48	8.894	Arlington, VA	Feb-12	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-13	Apr-14	Yes	
<b>Remarks</b>											
P-1 Shopping List Item No. 1						Procurement History and Planning Exhibit P-5A, page 3 of 6					

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Exhibit P-40, Budget Item Justification								Date: February 2007				
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. 2								F-35 Advance Procurement				
Program Element for Code B Items:		N/A			Other Related Program Elements:				0604800F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)			117.447	93.657	123.539	136.904	231.764	358.194	365.977	468.838	TBD	TBD
Weapon System Cost (\$ M)		0.000	117.447	93.657	123.539	136.904	231.764	358.194	365.977	468.838	TBD	TBD
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	117.447	93.657	123.539	136.904	231.764	358.194	365.977	468.838	TBD	TBD
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN, USAF, and USMC, and allies, with optimum commonality among the variants to minimize life cycle costs. This is a joint program with no executive service. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. The production cost and quantities are interdependent due to one manufacturer for the program. The DoN procurement begins in FY08; advance procurement begins in FY07.

**FY 2008 Program Justification**

USAF procurement in FY 2008 provides full funding for 6 CTOL aircraft and advanced procurement funding for 8 CTOL aircraft.

**FY 2009 Program Justification**

USAF procurement in FY2009 provides full funding for 8 CTOL aircraft and advanced procurement funding for 12 CTOL aircraft.



Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 2</b>											P-1 Line Item Nomenclature <b>F-35 Advance Procurement</b>				
Weapon System JSF_AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request
End Item															
CFE					Mar-06	117.447	2	Mar-07	93.657	6	Mar-08	123.539			
GFE															
EOQ															
Design															
Term Liability															
TOTAL AP						117.447			93.657			123.539			0.000
<u>Description</u>															
P-1 Shopping List Item No. 2											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 Justification									Date: February 2007			
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. 3									F-22 (Raptor)			
Program Element for Code B Items:		27219F			Other Related Program Elements:				PE 27138F, 64239F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	92	23	20	20	20					0	175
Cost (\$ M)		16017.970	3249.080	2700.524	3152.713	3672.961	45.946	46.858			0.000	28886.052
Production Modernization (\$ M)		(61.749)	(1.089)	0.000	0.000	0.000	0.000	0.000			0.000	(62.838)
Advance Proc Cost (\$ M)		3329.806	429.139	684.899	426.666						0.000	4870.510
Weapon System Cost (\$ M)		19347.776	3678.219	3385.423	3579.379	3672.961	45.946	46.858	0.000	0.000	0.000	33756.562
Initial Spares (\$ M)		22.884	0.000	0.000	0.000	0.000	0.000	0.000			0.000	22.884
Total Proc Cost (\$ M)		19370.660	3678.219	3385.423	3579.379	3672.961	45.946	46.858	0.000	0.000	0.000	33779.446
Flyaway Unit Cost (\$ M)		168.148	135.322	137.695	148.330	165.038	0.000	0.000			0.000	157.733
Wpn Sys Unit Cost (\$ M)		210.302	159.923	169.271	178.969	183.648	0.000	0.000			0.000	192.888
<b>Description</b>												
<p>The F-22A Raptor represents the USAF's top priority for providing the Joint Force with air dominance, operational access, homeland and cruise missile defense for the next 20+ years. The F-22A is a first-of-a-kind multi-mission fighter aircraft that combines stealth, supercruise, advanced maneuverability and integrated avionics to make it the world's most capable combat aircraft.</p> <p>Consistent with 10 U.S.C. 2306b and the DOD Financial Management Regulation, the Air Force was granted OSD(C) approval to structure the multiyear procurement for Lots 7-9 with an unfunded cancellation ceiling. The cancellation ceiling amounts are \$201.2M (FY07), \$100.6M (FY08), and \$50.3M (FY09). In the event the multiyear contract is cancelled, Air Staff will submit the required reprogramming actions for Congressional approval to ensure the actual cancellation cost is fully funded.</p> <p>Current Fiscal Year 2008 PB supports a 183 aircraft procurement profile. (Note: 183 total includes 6 Production Representative Test Vehicle (PRTV) II aircraft, 175 production aircraft, and 2 previously procured EMD aircraft funded in RDT&amp;E. Through MYP cost savings initiatives and contract negotiations the AF intends to procure the full 183 aircraft quantity.</p> <p>Procurement funding is budgeted in FY10 and FY11 to complete the procurement of standup equipment for future operational locations (i.e. support equipment, support as a capability, etc.).</p> <p>The flyaway cost listed above is the flyaway cost associated with the aircraft procurement appropriation (3010 BP10) and inline modernization funding (BP10). The flyaway cost does not include costs associated with Other Useful Loads or Munitions.</p> <p>Production Modernization funding is included in the Cost Line in FY06 and prior. This funding is broken out separately on the P-5, Weapons System Cost Analysis (next page). These funds are not counted against the F-22A Production Cap. F-22A Production Modernization provided for capability upgrades and associated support efforts are not included in the baseline production program for Lot 6 and prior.</p> <p>The SPO has requested a \$72M ATR within the Air Force Aircraft Procurement appropriation to fully fund Lot 7, the first of three 20 aircraft lots under the F-22 multi-year procurement.</p>												
P-1 Shopping List Item No. 3									Budget Item Justification Exhibit P-40, page 1 of 9			

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 3</b>	P-1 Line Item Nomenclature <b>F-22 (Raptor)</b>
<p><b><u>Description Continued</u></b></p> <p>Initial spares are included in the weapon system cost line (except FY99). Prior to FY08, the F-22A program budgeted and contracted for initial spares as part of overall initial support material capability within the Performance-Based Agile Logistics Support (PALS) program. The program continues to procure support material under PALS in FY08 and FY09; however, the program will also procure specific initial spares in FY08 and FY09 to achieve additional savings as part of the MYP program.</p> <p><b><u>FY 2008 Program Justification</u></b></p> <p>The FY08 budget supports the procurement of Lot 8 (second lot of the MYP contract) aircraft and Advance Procurement (AP) to fund procurement of long-lead parts and materials necessary to protect the delivery schedule of Lot 9.</p> <p><b><u>FY 2009 Program Justification</u></b></p> <p>The FY09 budget supports the procurement of Lot 9 aircraft, which is the last lot in the program of record. This is also the third and final lot of the MYP contract.</p>	
P-1 Shopping List Item No. 3	<b>Budget Item Justification Exhibit P-40, page 2 of 9</b>

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<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 3</b>	P-1 Line Item Nomenclature <b>F-22 (Raptor)</b>

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframes/CFE	A	23	83.181	1913.152	20	84.742	1694.841	20	91.045	1820.905	20	100.952	2019.043
Engine Accessories (shipset)	A	23	18.661	429.200	20	20.259	405.172	20	23.203	464.054	20	26.684	533.689
Avionics	A	23	27.727	637.717	20	28.247	564.947	20	30.348	606.968	20	33.651	673.014
Nonrecurring Costs				132.326			88.936			74.663			75.011
<b>FLYAWAY COST SUBTOTAL</b>				<b>3112.395</b>			<b>2753.896</b>			<b>2966.590</b>			<b>3300.757</b>
Less: Prior Year Adv Procurement				-473.858			-509.539			-468.299			-562.866
Plus: Current Year Adv Procurement	A			429.139			684.899			426.666			
Other	A			76.551			73.087			78.183			279.112
Production Support - Other (PSO)	A			165.749			175.499			194.269			132.047
Performance-based Agile Logistics Support (PALS)	A			178.154			183.974			223.078			232.193
<b>SUBTOTAL Air Vehicle Support</b>				<b>375.735</b>			<b>607.920</b>			<b>453.897</b>			<b>80.486</b>
Engine Support	A			189.000			23.607			158.892			291.718
Modernization BP10	A			1.089									
<b>SUPPORT COST SUBTOTAL</b>				<b>190.089</b>			<b>23.607</b>			<b>158.892</b>			<b>291.718</b>
<b>TOTAL PROGRAM</b>				<b>3678.219</b>			<b>3385.423</b>			<b>3579.379</b>			<b>3672.961</b>

**Comments**  
 Nonrecurring costs includes, but is not limited to, cost related to correction of air vehicle deficiencies caused by the concurrent development and production phases of the F-22A program. Nonrecurring cost also include the nonrecurring engineering and production costs associated with F-22A Diminishing Manufacturing Sources (DMS) issues.

Unit cost for the engine differs from the P-5A because the P-5 uses the aircraft 'shipset' quantity (2 engines) to determine unit cost and the P-5A uses the engine quantity (1 engine).

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
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. 3								F-22 (Raptor)			
Weapon System					Subline Item						
F-22											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Lockheed Martin Corp	2	256.668	ASC/YF	Jan-98	SS	FFP	Lockheed Martin	Dec-98	Oct-02	Yes	
Lockheed Martin Corp	10	166.196	ASC/YF	May-99	SS	FFP	Lockheed Martin	Sep-01	Sep-03	Yes	
Lockheed Martin Corp	13	149.294	ASC/YF	Apr-00	SS	FFP	Lockheed Martin	Jan-02	Jul-04	Yes	
Lockheed Martin Corp	21	130.576	ASC/YF	Oct-01	SS	FFP	Lockheed Martin	Apr-03	May-05	Yes	
Lockheed Martin Corp	22	121.407	ASC/YF	Jul-02	SS	FFP	Lockheed Martin	Jun-04	Jan-06	Yes	
Lockheed Martin Corp	24	109.526	ASC/YF	Jul-03	SS	FFP	Lockheed Martin	Nov-05	Dec-06	Yes	
Lockheed Martin Corp	23	110.955	ASC/YF	Oct-05	SS	FFP	Lockheed Martin	Nov-06	Dec-07	Yes	
Lockheed Martin Corp	20	112.989	ASC/YF	May-06	SS	FFP	Lockheed Martin	Aug-07	Dec-08	Yes	
Lockheed Martin Corp	20	121.394	ASC/YF	May-07	SS	FFP	Lockheed Martin	Aug-07	Dec-09	Yes	
Lockheed Martin Corp	20	134.603	ASC/YF	May-08	SS	FFP	Lockheed Martin	Aug-07	Jan-11	Yes	
Pratt & Whitney	4	14.125	ASC/YF	Dec-97	SS	FFP	Pratt & Whitney	Dec-98	Feb-01	Yes	
Pratt & Whitney	20	10.853	ASC/YF	Jan-99	SS	FFP	Pratt & Whitney	Sep-01	Mar-02	Yes	
Pratt & Whitney	26	10.547	ASC/YF	May-00	SS	FFP	Pratt & Whitney	Jan-02	Mar-03	Yes	
Pratt & Whitney	42	10.630	ASC/YF	Nov-01	SS	FFP	Pratt & Whitney	Apr-03	Mar-04	Yes	
Pratt & Whitney	44	10.391	ASC/YF	Aug-02	SS	FFP	Pratt & Whitney	Jun-04	Jan-06	Yes	
Pratt & Whitney	48	9.823	ASC/YF	Aug-03	SS	FFP	Pratt & Whitney	Apr-05	Nov-07	Yes	
Pratt & Whitney	46	9.330	ASC/YF	Oct-05	SS	FFP	Pratt & Whitney	Apr-06	Mar-07	Yes	
Pratt & Whitney	40	10.129	ASC/YF	Oct-06	SS	FFP	Pratt & Whitney	Aug-07	Jan-08	Yes	
Pratt & Whitney	40	11.601	ASC/YF	Oct-07	SS	FFP	Pratt & Whitney	Aug-07	Feb-09	Yes	
Pratt & Whitney	40	13.342	ASC/YF	Oct-08	SS	FFP	Pratt & Whitney	Aug-07	Feb-10	Yes	
<b>Remarks</b>											
Unit cost for the engine differs from the P-5 because the P-5 uses the aircraft 'shipset' quantity ( 2 engines) to determine unit cost and the P-5A uses the engine quantity (1 engine).											
Unit cost is for airframe and avionics costs, but does not include non-recurring cost.											
Specs are available, however, the technical data package is a 'deferred delivery' option and is currently maintained by the contractor.											
P-1 Shopping List Item No. 3						Procurement History and Planning Exhibit P-5A, page 4 of 9					











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Exhibit P-40, Budget Item Justification						Date: February 2007						
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. 4						F-22 (Raptor) Advance Procurement						
Program Element for Code B Items:		N/A			Other Related Program Elements:							
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)		3329.806	429.139	684.899	426.666							4870.510
Weapon System Cost (\$ M)		3329.806	429.139	684.899	426.666	0.000	0.000	0.000	0.000	0.000	0.000	4870.510
Initial Spares (\$ M)		0.000										0.000
Total Proc Cost (\$ M)		3329.806	429.139	684.899	426.666	0.000	0.000	0.000	0.000	0.000	0.000	4870.510
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The F-22A Raptor represents the USAF's top priority for providing the Joint Force with air dominance, operational access, homeland and cruise missile defense for the next 20+ years. The F-22A is a first-of-a-kind multi-mission fighter aircraft that combines stealth, supercruise, advanced maneuverability and integrated avionics to make it the world's most capable combat aircraft.

**FY 2008 Program Justification**

The FY08 Advance Procurement budget funds the procurement of long-lead parts and material necessary to protect the delivery schedule of Lot 9 aircraft.

**FY 2009 Program Justification**

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 4</b>										P-1 Line Item Nomenclature <b>F-22 (Raptor) Advance Procurement</b>			
Weapon System F-22AP					First System Award Date Jun-98					First System Completion Date Oct-02			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty			92	23	20	20	20	0	0			0	175
CFE			3189.093	429.139	384.899	426.666	0.000	0.000	0.000			0.000	4429.797
GFE													0.000
EOQ					300.000								300.000
Design			140.713										140.713
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			<b>3329.806</b>	<b>429.139</b>	<b>684.899</b>	<b>426.666</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>4870.510</b>
<b>Description</b>													
CFE represents required funding for Contractor Furnished Equipment (CFE) for both Air Vehicle and Engine.													
Economic Order Quantity (EOQ) procurement in FY07 supports the multiyear procurement of 60 F-22As in Lots 7, 8, and 9.													
Design line represents funding for Diminishing Manufacturing Sources (DMS). Starting in FY02, DMS funding moved out of advance procurement and into the aircraft procurement non-recurring funding.													
P-1 Shopping List Item No. 4							Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3						

<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 4</b>	P-1 Line Item Nomenclature <b>F-22 (Raptor) Advance Procurement</b>
--	--

Weapon System  
F-22AP

(TOA, \$ in Millions)

<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	<u>2006</u> <u>QTY</u>	<u>2006</u>	<u>2006</u>	<u>2007</u> <u>QTY</u>	<u>2007</u>	<u>2007</u>	<u>2008</u> <u>QTY</u>	<u>2008</u>	<u>2008</u>	<u>2009</u> <u>QTY</u>	<u>2009</u>	<u>2009</u>
					<u>Contract</u> <u>Forecast</u> <u>Date</u>	<u>Total</u> <u>Cost</u> <u>Request</u>									
End Item															
CFE				23		Dec-05	409.539	20	Dec-06	348.699	20	Dec-07	426.666		
Lot 8 Titanium						Aug-06	19.600								
Lot 9 Titanium									Dec-06	36.200					
EOQ									Jan-07	300.000					
Design															
<b>TOTAL AP</b>							429.139			684.899			426.666		0.000

Description

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Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 5							F-15E					
Program Element for Code B Items:		Not Applicable			Other Related Program Elements:				None			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	1,110									0	1,110
Cost (\$ M)		26954.510	0.036								0.000	26954.546
Advance Proc Cost (\$ M)		0.000									0.000	0.000
Weapon System Cost (\$ M)		26954.510	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26954.546
Initial Spares (\$ M)		0.000	0.000	0.000							0.000	0.000
Total Proc Cost (\$ M)		26954.510	0.036	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	26954.546
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The program is an FY05/06 Congressional add for procurement of one attrition-reserve F-15E.

The F-15E Strike Eagle is a highly-capable multi-role fighter. It retains the basic air-to-air capability of the F-15A-D Eagle, but adds a weapon systems operator (WSO) rear cockpit, conformal fuel tanks, and advanced systems for all-weather day/night all-altitude deep penetration air-to-surface attack.

The procurement has been cancelled and the funds, less \$36,000 in FY06, rescinded by Congress.

**FY 2008 Program Justification****FY 2009 Program Justification**

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 5</b>	P-1 Line Item Nomenclature <b>F-15E</b>

Manufacturer's Name/Plant City/State Location Boeing/St. Louis/MO	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A												
Airframe/CFE	A												
Engine/Accessories	A												
Parts Obsolescence	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A												
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
<b>FLYAWAY COST SUBTOTAL</b>	A												
Advance Buy	A	0		0.036									
Gross P-1 Cost	A												
Less Prior Yr Adv. Proc	A												
Support Equipment	A												
Total Cost	A												
<b>TOTAL PROGRAM</b>				0.036									

Comments  
The program is an FY05/06 Congressional add for advance procurement of one attrition-reserve F-15E. The procurement has been cancelled and the funds, less \$36,000 in FY06, rescinded by Congress.

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<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 5</b>	P-1 Line Item Nomenclature <b>F-15E</b>

<b>Weapon System</b>					Subline Item						
F-15E											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Advance Procurement	0	120.000	ASC/VF		C	FFP	Boeing			Yes	

**Remarks**  
 Congress has agreed to cancel the procurement of one F-15E, and has rescinded the funds. \$36,000 remain in the account.

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**FY 2008/2009 BUDGET ESTIMATES**  
**BUDGET ACTIVITY 02 – AIRLIFT AIRCRAFT**  
**FEBRUARY 2007**

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**"In accordance with the President's Management Agenda, Budget and Performance Integration initiative, this program has been assessed using the Program Assessment Rating Tool (PART). Remarks regarding program performance and plans for performance improvement can be located at the [Expectmore.gov](http://Expectmore.gov) website."**

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Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 6							C-17A (MYP)					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	153	15	22							0	190
Cost (\$ M)		33820.464	2791.780	4347.201	260.601	569.079	238.295	214.881	216.892	197.068	TBD	TBD
Interim Ctr Support (\$ M)		3955.699									TBD	TBD
Advance Proc Cost (\$ M)		4728.162	657.269								0.000	5385.431
Weapon System Cost (\$ M)		42504.325	3449.049	4347.201	260.601	569.079	238.295	214.881	216.892	197.068	TBD	TBD
Initial Spares (\$ M)		803.880	0.000	0.000	0.000	0.000					0.000	803.880
Total Proc Cost (\$ M)		43308.205	3449.049	4347.201	260.601	569.079	238.295	214.881	216.892	197.068	TBD	TBD
Flyaway Unit Cost (\$ M)		231.004	199.583	258.396	0.000	0.000						
Wpn Sys Unit Cost (\$ M)		277.806	229.937	219.683	0.000	0.000						
<b>Description</b>												
<p>FY07 is the last year of a five-year multi-year procurement (MYP) of 60 C-17s. The FY06 Air Force request included \$227.5M for long-lead procurement for ten additional FY07 C-17s pending completion of the Mobility Capability Study (MCS) and Quadrennial Defense Review (QDR) in late 2005. MCS/QDR results stated 180 C-17s (along with 112 modernized C-5s) are sufficient to meet DoD warfighting requirements with acceptable risk. Subsequent FY07 congressional marks support continued procurement of C-17s beyond 180 and added 10 aircraft for a total of 190. The Air Force is awaiting final disposition on shutdown or follow-on buys for FY08 and beyond. FY06 Emergency Supplemental appropriation included \$227.5M of advanced procurement for C-17 aircraft to be built in FY08. The requested FY06 advanced procurement and the Emergency Supplemental were applied to the procurement of the 10 additional aircraft.</p> <p>The FY07-09 USAF delivery schedule has been adjusted to account for delivery of four Australian Foreign Military Sale (FMS) aircraft and one UK Direct Commercial Sale (DCS) aircraft, along with ten additional C-17s scheduled to deliver in FY08/09.</p>												
<b>FY 2008 Program Justification</b>												
FY08 budget funds production line shutdown and residual support equipment, training, and data requirements.												
<b>FY 2009 Program Justification</b>												
FY09 budget funds production line shutdown and residual support equipment, training, and data requirements.												
P-1 Shopping List Item No. 6												
Budget Item Justification Exhibit P-40, page 1 of 10												

## UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis						Date: February 2007							
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. 6						C-17A (MYP)							
Manufacturer's Name/Plant City/State Location						Subline Item							
Boeing Airlift and Tankers / Long Beach, CA													
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
1.0 Airframe	A	15	167.135	2507.023	22	181.980	4003.556				0		
2.0 Engine (4) (Model F-117-PW-100)	A	60	6.519	391.166	72	7.726	556.241				0		
3.0 Avionics	A	15	5.659	84.890	22	5.934	130.559				0		
4.0 Engineering Change Orders (ECO)	A												
5.0 Producibility Enhancement	A	15	1.083	16.247	22	0.379	8.342			16.337	0		18.566
6.0 Nonrecurring Flyaway	A												
7.0 Settlement	A									37.342			217.650
7.1 Prior Year Adv Procurement (unit cost non add)													
8.0 Flyaway Cost Subtotal (1 thru 7)				2999.326			4698.698			53.679			236.216
9.0 Peculiar Support Equipment	A			9.907			40.900			28.900			31.900
10.0 Common Support Equipment	A			18.000			17.550			16.280			1.640
11.0 Training	A			42.851			71.085			46.584			51.454
12.0 Data	A			5.090			4.918			4.771			29.726
13.0 Field Support	A												
14.0 Site Activation/Spares (XX10)	A			137.769			333.921			104.438			105.636
15.0 Whole Engine Spares				29.605			30.988						107.665
16.0 Mission Support	A			18.901			19.276			5.949			4.842
17.0 Support Cost Subtotal (9 thru 16)				262.123			518.638			206.922			332.863
18.0 Gross P-1 Cost (8 + 17)				3261.449			5217.336			260.601			569.079
19.1 LESS: Prior Year Adv Procurement	A			-386.753			-639.435						
19.2 LESS: EOQ Payback	A			-82.916			-230.700						
19.3 Prior Year Adv Procurement (unit cost non add)	A			0.000									
20.0 Net P-1 Cost (18 + 19)				2791.780			4347.201			260.601			569.079
21.1 Advance Procurement, Current Year	A			657.269									
21.2 EOQ, Current Year	A												
Other P-1 Weapon System Costs	A			0.000			0.000			0.000			0.000
22.1 ICS (BP10 1050; FY00 thru To Complete)	A			0.000			0.000						
<b>TOTAL PROGRAM</b>				<b>3449.049</b>			<b>4347.201</b>			<b>260.601</b>			<b>569.079</b>
Comments													
P-1 Shopping List Item No. 6													
Weapon System Cost Analysis													
Exhibit P-5, page 2 of 10													

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 6</b>	P-1 Line Item Nomenclature <b>C-17A (MYP)</b>
<p>Although 12 aircraft are being procured in FY07 on the last year of the multi-year procurement, 32 engines support installation on 8 aircraft. The USAF is buying 12 aircraft getting 8 aircraft added to the USAF inventory due to a reset from FY04 when the USAF funded 11 aircraft that year but received delivery of 15 aircraft. In addition, 10 aircraft with 40 engines are being procured in accordance with Title IX of the FY07 Defense Appropriations Act. The FY07 Site Activation/Spares includes \$167.3M for big bone spares procurement.</p>	
P-1 Shopping List Item No. 6	<b>Weapon System Cost Analysis</b> Exhibit P-5, page 3 of 10

<b>Exhibit P-5A, Procurement History and Planning</b>						Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature					
<b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 6</b>						<b>C-17A (MYP)</b>					

<u>Weapon System</u>				Subline Item							
C-17A											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
FY 2006											
Air Vehicle	15	170.152	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Jan-06	Jul-06		
Propulsion	60	6.270	AFMC/ASC		SS	FP	Pratt & Whitney, East Hartford, CT	Nov-05	Jul-06		
FY 2007											
Air Vehicle	12	176.622	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Jan-07	Aug-07		
Propulsion	32	6.512	AFMC/ASC		SS	FP	Pratt & Whitney, East Hartford, CT	Nov-06	Jul-07		
Air Vehicle	10	200.000	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Dec-06	Aug-08		
Propulsion	40	8.500	AFMC/ASC		SS	FP	Pratt & Whitney, East Hartford, CT	Mar-07	Mar-08		

**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.

-- Multi-Year Procurement II contract was awarded 14 Aug 02. The award dates indicated above reflect contract modification dates to obligate funds for the aircraft procured in each fiscal year.

-- The FY07 +10 aircraft is an Indefinite Delivery Indefinite Quantity (IDIQ) contract. An Undefined Contractual Action (UCA) was awarded 18 Dec 06; definitization is scheduled for Nov 07.

-- The FY07 engine buy may be part of an IDIQ-type contract; however, to meet delivery requirements, a UCA may initially be required.

-- The Propulsion Contract Type is Fixed Price with Economic Price Adjustment.













Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 7							C-17 Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)			2791.780	4347.201	260.601	569.079	238.295	214.881	216.892	197.068		8835.797
Interim Ctr Support (\$ M)												0.000
Advance Proc Cost (\$ M)		4728.162	657.269									5385.431
Weapon System Cost (\$ M)		4728.162	3449.049	4347.201	260.601	569.079	238.295	214.881	216.892	197.068	0.000	14221.228
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		4728.162	3449.049	4347.201	260.601	569.079	238.295	214.881	216.892	197.068	0.000	14221.228
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

FY06 Emergency Supplemental Appropriation included \$227.5M for 10 C-17 aircraft in FY08.

**FY 2008 Program Justification**

There is no request for C-17 AP in FY 2008.

**FY 2009 Program Justification**

There is no request for C-17 AP in FY 2009.

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 7</b>										P-1 Line Item Nomenclature <b>C-17 Advance Procurement</b>			
Weapon System C-17AP					First System Award Date Jan-05					First System Completion Date Aug-05			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty			168	22		0	0					0	190
CFE			3486.566	631.769	0.000								4118.335
GFE			296.396	25.500	0.000	0.000	0.000						321.896
EOQ			945.200										945.200
Design													0.000
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			<b>4728.162</b>	<b>657.269</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>5385.431</b>
<b>Description</b>													
<p>This acquisition is a multi-year procurement (MYP) contract of five years duration for the current MYP contract in addition to continued procurement of 10 C-17s beyond 180. The budget fully funds each year's aircraft buy. The procurement quantity profile for FY04 - FY07 is 11-15-15-22, while deliveries remain at the planned economic production rate of 15 per year. The Advance Procurement funds appropriated for this multiyear contract will be used to procure economic order quantity (EOQ) and long-lead components, parts, and efforts necessary to capitalize on economic purchases and maintain efficient production rates. In addition, FY06 advance procurement has funding for 10 additional aircraft in FY07 that was requested as part of the FY06 PB, and \$227.5M for 10 C-17 aircraft in FY08 as part of the FY06 Emergency Supplemental Appropriations.</p> <p>First System Award Date reflects the planned Lot XVIII (FY06 aircraft buy) contract obligation date.</p> <p>First System Completion Date reflects the first aircraft delivery for Lot XVIII (FY06 aircraft buy).</p> <p>FY 2006 Program Justification FY06 advance procurement funding will provide for the CFE and GFE for 22 FY07 production aircraft.</p>													
<p align="center">P-1 Shopping List Item No. 7</p> <p align="right"><b>Advance Procurement Requirements Analysis (Page 1 - Funding)</b> <b>Exhibit P-10 p.1, page 2 of 3</b></p>													

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)										Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 7</b>										P-1 Line Item Nomenclature <b>C-17 Advance Procurement</b>					
Weapon System C-17AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request
End Item				22	Jan-06	217.923									
CFE						631.769									
GFE						25.500									
EOQ															
Design															
Term Liability															
TOTAL AP						657.269			0.000			0.000			0.000
<b>Description</b>															
The "2006 Contract Forecast Date" column reflects Jan 06 for 12 aircraft. The additional 10 aircraft provided for under Title IX of the FY07 Defense Appropriations Act were awarded in Dec 06 under an Undefinitized Contractual Action which is scheduled for definitization in Nov 07.															
P-1 Shopping List Item No. 7										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 Justification							Date: February 2007					
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. 8							C-130J					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	21	11	9	9						0	50
Cost (\$ M)		1509.386	896.736	694.346	686.069	48.660	25.110	40.860	50.281	42.118	TBD	TBD
Advance Proc Cost (\$ M)		369.900	78.937	89.672							TBD	TBD
Weapon System Cost (\$ M)		1879.286	975.673	784.018	686.069	48.660	25.110	40.860	50.281	42.118	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)		1949.455	975.673	784.018	686.069	48.660	25.110	40.860	50.281	42.118	TBD	TBD
Flyaway Unit Cost (\$ M)		64.593	58.267	58.998	61.302	0.000	0.000	0.000	0.000	0.000	TBD	TBD
Wpn Sys Unit Cost (\$ M)		64.863	58.544	59.275	61.579	0.000	0.000	0.000	0.000	0.000	TBD	TBD
<b>Description</b>												
The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short). Special mission variants of the C-130J conduct airborne psychological operations (EC-130J) and weather reconnaissance (WC-130J).												
<b>FY 2008 Program Justification</b>												
The FY 2008 budget will complete the C-130J multiyear buy (nine aircraft). In addition, the budget provides for logistics support for the USAF C/EC/WC-130J fleet, logistics support for aircrew and maintenance training devices, and program management support.												
FY08 is the sixth and last year of the C-130J multiyear procurement (MYP) buy. The FY06 Global War on Terror (GWOT) Supplemental appropriated three USAF C-130Js and two USMC KC-130Js.												
The USAF C-130J fleet in 2010 will consist of:												
C-130J: 55												
C-130J (short): 10												
WC-130J: 10												
EC-130J: 7												
TOTAL 82												
17 Combat Delivery C-130Js were congressionally added in the Guard Reserve Equipment Account and are not counted in the Prior Years column above.												
<b>FY 2009 Program Justification</b>												
The FY2009 budget supports C-130J production. In addition, the budget provides for logistics support for the USAF C/EC/WC-130J fleet, logistics support for aircrew and maintenance training devices, and program management support.												
P-1 Shopping List Item No. 8							Budget Item Justification Exhibit P-40, page 1 of 9					

## UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis								Date: February 2007					
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. 8								C-130J					
Manufacturer's Name/Plant City/State Location				Subline Item									
Lockheed Martin Aero-Marietta				C-130J (BPAC 10400C)									
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe	A	11	56.744	624.184	9	57.475	517.277	9	59.779	538.007	0		0.000
Avionics	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A			26.324			17.900			18.900			0.000
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
FLYAWAY COST SUBTOTAL				650.508			535.177			556.907			
Airframe Peculiar Ground Support Equipment (PGSE)	A			5.476			5.000			6.000			1.670
Peculiar Training Equipment	A	2		49.210			3.040			1.347			1.396
Publications/Technical Data	A			5.586			3.000			2.262			
ECOs	A												
Diminishing Manufacturing Sources	A			7.700			14.250			0.250			
ICS	A			2.590			2.650			3.849			3.888
ISS	A			259.083			180.695			116.406			8.073
Data	A			1.706			1.745			1.785			1.825
Post Delivery Support	A			12.168			12.851			13.024			11.850
Organic Depot Support	A						0.000			56.028			10.933
Other	A			12.174			5.775			7.450			9.025
SUPPORT COST SUBTOTAL				355.693			229.006			208.401			48.660
EOQ	A												
Advanced Procurement	A			78.937			89.672						
Less prorated FY03 EOQ				-5.769			-6.490			-6.490			
Less prorated FY04 EOQ	A			-7.692			-8.654			-8.654			
Less prorated FY05 EOQ	A			-12.821			-14.423			-14.423			
Less previous year advance procurement	A			-90.000			-78.937			-89.672			
Production Line Shutdown	A			0.000			38.667			40.000			
Withhold	A			6.817									
TOTAL PROGRAM				975.673			784.018			686.069			48.660

P-1 Shopping List Item No. 8

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

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8</b>	P-1 Line Item Nomenclature <b>C-130J</b>
Comments	
Effective 1 Oct 99, initial spares requirements migrated to Interim Supply Support (ISS) under the Reengineered Supply Support Process (RSSP) umbrella in BP10.	
P-1 Shopping List Item No. 8	Weapon System Cost Analysis Exhibit P-5, page 3 of 9

<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8</b>	P-1 Line Item Nomenclature <b>C-130J</b>

<u>Weapon System</u>					Subline Item						
C-130J					C-130J (BPAC 10400C)						
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Lockheed Martin - Aero-Marietta FY06	8	54.024	WPAFB	Apr-02	C	Multiyear FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Feb-06	Dec-06	Yes	
Lockheed Martin - Aero FY07	9	57.475	WPAFB	Apr-02	C	Multiyear FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Dec-06	Dec-07	Yes	
Lockheed Martin - Aero-Marietta FY06	3	64.000	WPAFB	Aug-06	C	FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Dec-06	Jan-10	Yes	
Lockheed Martin - Aero-Marietta FY08	9	59.779	WPAFB	Apr-02	C	Multiyear FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Nov-07	Apr-09	Yes	

**Remarks**

Air Vehicle:

a. The C-130J contract was converted from a commercial FAR Part 12 to a traditional FAR Part 15 contract in Oct 06.

f. The FY06 GWOT Supplemental appropriated 3 USAF C-130Js. These 3 aircraft were placed on the C-130J FYOC in Dec 06 and will deliver in FY10 right after the FY08 MYP aircraft.

<b>Exhibit P-21, Production Schedule</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8</b>	P-1 Line Item Nomenclature <b>C-130J</b>

PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2001	BALANCE DUE AS OF 1 OCT 2001	FISCAL YEAR 2002												FISCAL YEAR 2003												L A T E R
					2001			CALENDAR YEAR 2002									CALENDAR YEAR 2003												
					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	
1996	USAF	2	2	0																								0	
2001	USAF	2	0	2							1																	0	
2002	USAF	1	0	1																								1	
2003	USAF	1	0	1																								1	
2004	USAF	4	0	4																								4	
2005	USAF	11	0	11																								11	
<b>TOTAL</b>		<b>21</b>	<b>2</b>	<b>19</b>								1																<b>17</b>	

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		INITIAL REORDER			
Lockheed Martin - Aero	Marietta, GA 30063-0290	12		25	PRIOR 1 OCT	AFTER 1 OCT				

REMARKS  
USMC and foreign aircraft deliveries fill in what appear to be production schedule gaps.

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Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 9							C-130J Advance Procurement					
Program Element for Code B Items:		41132F			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)		369.900	78.937	89.672								538.509
Weapon System Cost (\$ M)		369.900	78.937	89.672	0.000	0.000	0.000	0.000	0.000	0.000	0.000	538.509
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		369.900	78.937	89.672	0.000	0.000	0.000	0.000	0.000	0.000	0.000	538.509
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The advance procurement funds appropriated for this multiyear contract will be used to procure economic order quantity (EOQ) and long-lead components, parts, and materials (contractor furnished equipment - CFE).

**FY 2008 Program Justification**

There is no requirement for FY08 advance procurement funds.

**FY 2009 Program Justification**

There is no requirement for FY08 advance procurement funds.

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9</b>										P-1 Line Item Nomenclature <b>C-130J Advance Procurement</b>			
Weapon System C130JA					First System Award Date Mar-03					First System Completion Date May-05			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty			15	8	9	9							41
CFE			239.900	78.937	89.672								408.509
GFE													0.000
EOQ			130.000										130.000
Design													0.000
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			<b>369.900</b>	<b>78.937</b>	<b>89.672</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>538.509</b>
<b>Description</b>													
<p>The Air Force is converting the C-130J 'commercial item' (FAR Part 12) procurement contract to a traditional 'military item' (FAR Part 15) contract for the FY06-08 aircraft. Contract award was in Feb 06.</p> <p>The Advanced Procurement CFE funding enables Lockheed Martin to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule within the context of the multiyear funding, prices, and cancellation ceilings.</p> <p>The EOQ funding enables Lockheed Martin to enter into arrangements with suppliers for quantity buys of material, lifetime buys of items to avoid diminishing manufacture issues, and the implementation of lean process productivity improvements.</p>													
<p align="center">P-1 Shopping List Item No. 9</p> <p align="right"><b>Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3</b></p>													

<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9</b>											P-1 Line Item Nomenclature <b>C-130J Advance Procurement</b>				
Weapon System C130JA															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Forecast Date	Total Cost Request		Forecast Date	Total Cost Request		Forecast Date	Total Cost Request		Forecast Date	Total Cost Request
End Item				8	Feb-06	78.937	9	Nov-06	89.672						
CFE				8	Feb-06	78.937	9	Nov-06	89.672						
EOQ															
TOTAL AP						78.937			89.672			0.000			0.000
<b>Description</b>															
<p>The Air Force is converting the C-130J 'commercial item' (FAR Part 12) procurement contract to a traditional 'military item' (FAR Part 15) contract for the FY06-08 aircraft. Contract award was in Feb 06.</p> <p>The Advanced Procurement CFE funding enables Lockheed Martin to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule within the context of the multiyear funding, prices, and cancellation ceilings.</p> <p>The EOQ funding enables Lockheed Martin to enter into arrangements with suppliers for quantity buys of material, lifetime buys of items to avoid diminishing manufacture issues, and the implementation of lean process productivity improvements.</p>															
P-1 Shopping List Item No. 9											<b>Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Exhibit P-10 p.2, page 3 of 3</b>				

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Exhibit P-40, Budget Item Justification								Date: February 2007				
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. 9a								HC-130Recap				
Program Element for Code B Items:			N/A			Other Related Program Elements:			HC-130 Recap RDT&E: PE64261F MC-130 Recap APAF: PE27230F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A					2	4	4	4	4	TBD	TBD
Cost (\$ M)						170.132	313.998	285.120	246.358	185.958	TBD	TBD
Advance Proc Cost (\$ M)					9.990	40.000	43.680	47.699	52.087	56.879	TBD	TBD
Weapon System Cost (\$ M)		0.000	0.000	0.000	9.990	210.132	357.678	332.819	298.445	242.837	TBD	TBD
Initial Spares (\$ M)											TBD	TBD
Total Proc Cost (\$ M)		0.000	0.000	0.000	9.990	210.132	357.678	332.819	298.445	242.837	TBD	TBD
Flyaway Unit Cost (\$ M)						TBD						
Wpn Sys Unit Cost (\$ M)						TBD						

**Description**

The HC-130 Recap Program will augment and recapitalize the aging USAF fleet of Combat Rescue Tanker (CRT) aircraft which is experiencing airworthiness, maintainability and operational limitations. The low density / high demand CRT fleet consists of several C-130 variants--37 aircraft in all--in Active Duty, Air Force Reserve and Air National Guard squadrons. The Analysis of Alternatives (AoA), completed in FY06, recommended procurement of 78 modified, medium-transport aircraft as the best solution to fill the capability gap. The replacement platform has not yet been selected, but the AoA identified the C-130J and A-400M as available candidates. The acquisition program is being structured based on the AoA recommended solution. The FY 2008 President's Budget requests RDT&E and Advance Procurement funds to begin the program. This is a New Start request.

APAF funds for MC-130 Recap are in Program Element 0207230F. The HC/MC-130 Recap Capabilities Development Document (ECD 3Q FY07) will define requirements for the recapitalization of the the HC-130P/N and MC-130E/P. Air Force will fund MC-130 Recap to the extent requirements are common with HC-130 Recap. USSOCOM will fund SOF-peculiar development and procurement requirements.

**FY 2008 Program Justification**

The FY 2008 PB provides advance procurement for two aircraft to be procured in FY09.

**FY 2009 Program Justification**

FY 2009 funds will procure two aircraft, support elements, and advance procurement for four aircraft to be procured in FY10.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9a</b>	P-1 Line Item Nomenclature <b>HC-130Recap</b>

Manufacturer's Name/Plant City/State Location TBD	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe/Engines/Accessories											2	84.150	168.300
Avionics													
Armament													
Software													
Government Furnished Equipment (GFE)													4.800
Engineering Change Orders (ECO)													
Nonrecurring Costs													6.922
Other Costs													
<b>FLYAWAY COST SUBTOTAL</b>													180.022
Peculiar Ground Support Equipment (PGSE)													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
ICS													
ISS													
Data													
Post-Delivery Support													
Other													
<b>SUPPORT COST SUBTOTAL</b>													
Gross P-1 Cost													180.122
Advance Procurement (Credit)													-9.990
Net P-1 Cost													170.132
Advance Procurement										9.990			40.000
<b>TOTAL PROGRAM</b>										9.990			210.132

Comments  
HC-130 Recap platform has not yet been selected. Cost data presented above is notional.

<b>Exhibit P-5A, Procurement History and Planning</b>						Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9a</b>						P-1 Line Item Nomenclature <b>HC-130Recap</b>					

<u><b>Weapon System</b></u> HC-130Recap				Subline Item							
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Aircraft Procurement (FY09)	2	TBD	WPAFB		TBD	TBD	TBD				

**Remarks**  
 The HC-130 Recap platform has not yet been selected. The acquisition program is being structured based on procurement of a combat rescue tanker variant of a medium-size transport (e.g. C-130J, A-400M).



Exhibit P-40, Budget Item Justification								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10								HC-130Recap Advance Procurement				
Program Element for Code B Items:			N/A			Other Related Program Elements:			HC-130 Recap RDT&E: PE64261F MC-130 Recap APAF: PE27230F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	0										0
Cost (\$ M)		0.000										0.000
Advance Proc Cost (\$ M)		0.000			9.990	40.000	43.680	47.699	52.087	56.879		250.335
Weapon System Cost (\$ M)		0.000	0.000	0.000	9.990	40.000	43.680	47.699	52.087	56.879	0.000	250.335
Initial Spares (\$ M)		0.000										0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	9.990	40.000	43.680	47.699	52.087	56.879	0.000	250.335
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												
<b>Description</b>												
<p>The HC-130 Recap Program will augment and recapitalize the aging USAF fleet of Combat Rescue Tanker (CRT) aircraft which is experiencing airworthiness, maintainability and operational limitations. The low density / high demand CRT fleet consists of several C-130 variants--37 aircraft in all--in Active Duty, Air Force Reserve and Air National Guard squadrons. The Analysis of Alternatives (AoA), completed in FY06, recommended procurement of 78 modified, medium-transport aircraft as the best solution to fill the capability gap. The replacement platform has not yet been selected, but the AoA identified the C-130J and A-400M as available candidates. The acquisition program is being structured based on the AoA recommended solution. The FY 2008 President's Budget requests RDT&amp;E and Advance Procurement funds to begin the program. This is a New Start request.</p> <p>APAF funds for MC-130 Recap are in Program Element 0207230F. The HC/MC-130 Recap Capabilities Development Document (ECD 3Q FY07) will define requirements for the recapitalization of the the HC-130P/N and MC-130E/P. Air Force will fund MC-130 Recap to the extent requirements are common with HC-130 Recap. USSOCOM will fund SOF-peculiar development and procurement requirements.</p>												
<b>FY 2008 Program Justification</b>												
The FY 2008 PB provides advance procurement for long lead items for two aircraft to be procured in FY09.												
<b>FY 2009 Program Justification</b>												
FY 2009 funds will provide advance procurement for long lead items for four aircraft to be procured in FY10.												
P-1 Shopping List Item No. 10								Budget Item Justification Exhibit P-40, page 1 of 3				

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10</b>										P-1 Line Item Nomenclature <b>HC-130Recap Advance Procurement</b>			
Weapon System HC-130Recap AP					First System Award Date					First System Completion Date			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty							2	4	4	4	4	TBD	18
CFE						9.990	40.000	43.680	47.699	52.087	56.879		250.335
GFE													0.000
EOQ													0.000
Design													0.000
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			0.000	0.000	0.000	9.990	40.000	43.680	47.699	52.087	56.879	0.000	250.335
<b>Description</b>													
The Advance Procurement CFE funding will enable the prime contractor to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule.													
P-1 Shopping List Item No. 10							<b>Advance Procurement Requirements Analysis</b> (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3						

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Date: February 2007

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature  
**Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10** **HC-130Recap Advance Procurment**

Weapon System  
 HC-130Recap AP

(TOA, \$ in Millions)

Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request									
End Item															
CFE												9.990			40.000
GFE															
EOQ															
Design															
Term Liability															
TOTAL AP						0.000			0.000			9.990			40.000

**Description**  
 The Advance Procurement CFE funding will enable the prime contractor to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule.

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<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10a</b>							P-1 Line Item Nomenclature <b>KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT</b>					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A						7	13	14	14		48
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)						61.660	172.820	147.459	148.063	152.560		682.562
Weapon System Cost (\$ M)		0.000	0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	0.000	682.562
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	0.000	682.562
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The Air Force considered data in the Analysis of Alternatives (AoA) for KC-135 Recapitalization, industry responses to a Request for Information and two draft Request for Proposals, and is pursuing a strategy of full and open competition to select a commercial derivative replacement tanker aircraft. The Air Force needs to replace its aging KC-135 tankers (average age 45 years). This initial increment, known as KC-X, will replace roughly one-third of the current capability. The KC-X will be able to provide fuel to joint and coalition receivers via a boom or drogue system on every mission and will also augment the airlift fleet with cargo, passenger and medical evacuation capabilities.

The KC-X will be able to operate in day/night and adverse weather conditions to enable deployment, employment, sustainment and reemployment of U.S. joint, allied and coalition forces. The KC-X will have navigation and communication equipment for world-wide operations; will have the capability for performing missions in chemical and biological environments; and will have the capability to operate in low to medium threat areas and near-high threat areas with self-defense/protection (both active and passive) capabilities and necessary battle space awareness to mitigate threats.

The KC-X development effort will also procure the necessary ground and flight test assets to support developmental/operational test. In part due to the 7-month pause, the Air Force restructured the KC-X program to procure up to four RDT&E aircraft that will accelerate testing and certification.

**FY 2008 Program Justification**

The KC-X development effort will focus on design activities supporting the KC-X integrated baseline review and systems readiness review. Additionally, integrated test planning and logistics support and training planning activities will begin.

**FY 2009 Program Justification**

The KC-X development effort will continue with focus on design and planning activities to support preliminary and critical design reviews, begin ground tests, and decision activities for training devices and source of repair. FY09 advanced procurement funds long lead items for seven aircraft that are fully funded in FY10. These seven aircraft will deliver in FY12

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10a</b>										P-1 Line Item Nomenclature <b>KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT</b>			
Weapon System KC135R_AP					First System Award Date Aug-07					First System Completion Date Sep-10			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty								7	13	14	14		48
CFE													0.000
GFE						0.000	61.660	172.820	147.459	148.063	152.560		682.562
EOQ													0.000
Design													0.000
Term Liability													0.000
TOTAL AP			0.000	0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	0.000	682.562
<b>Description</b>													
Dollars described above are 3010 BP10 advance procurement (AP) dollars. For FY09 and out, procurement profile requires approximately 5% in advance procurement long lead items 3 years prior to aircraft delivery.													
P-1 Shopping List Item No. 10a							<b>Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3</b>						

<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10a</b>	P-1 Line Item Nomenclature <b>KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT</b>
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Weapon System  
KC135R\_AP

(TOA, \$ in Millions)

<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</u>	<u>QTY</u>	<u>2006 Contract Forecast Date</u>	<u>2006 Total Cost Request</u>	<u>2007 QTY</u>	<u>2007 Contract Forecast Date</u>	<u>2007 Total Cost Request</u>	<u>2008 QTY</u>	<u>2008 Contract Forecast Date</u>	<u>2008 Total Cost Request</u>	<u>2009 QTY</u>	<u>2009 Contract Forecast Date</u>	<u>2009 Total Cost Request</u>
End Item															
CFE						0.000			0.000			0.000			0.000
GFE						0.000			0.000			0.000			61.660
EOQ															
Design															
Term Liability															
B															
<b>TOTAL AP</b>						0.000			0.000			0.000			61.660

**Description**  
 Dollars described above are 3010 BP10 advance procurement (AP) dollars. For FY09 and out, procurement profile requires approximately 5% in advance procurement for long lead items 3 years prior to aircraft delivery.

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10b</b>								P-1 Line Item Nomenclature <b>JOINT CARGO AIRCRAFT</b>				
Program Element for Code B Items:			N/A			Other Related Program Elements:			N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A						8	12	18	18		56
Total Proc Cost (\$ M)			0.000	0.000	0.000	24.678	472.319	628.405	961.050	980.325		3066.777

**Description**

The Joint Cargo Aircraft (JCA) is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and implements a RDT&E program to integrate, test, and install additional equipment packages required to meet Air Force mission requirements. In early FY08 the Air Force will complete its requirements analysis and will begin the development program to support Air Force unique JCA mission requirements. The Army's plan is to procure its first aircraft in 2007. Initial USAF procurement is planned for FY10.

Note: The FY07PB is APAF, BP10: Per USAF request, the FY07 appropriations bill reprogrammed the FY07 funds to RDT&E.

FY10 & Out: Final AF JCA requirements and procurement quantities are still being defined. These requirements will be validated by FY08. The AF intends to transfer a portion of APAF funds to RDT&E in the FY10 POM to support any resulting aircraft, training system, test, and support system development requirements.

**FY 2008 Program Justification**

Change from FY07 PB Documentation: FY08 APAF BP10 funding reprogrammed to RDT&E.

**FY 2009 Program Justification**

Change from FY07 PB Documentation: \$74.433M of FY09 APAF BP10 funding reprogrammed to RDT&E.

Remaining FY09 APAF BP10 funding is required to procure Technical Data, Data Licenses to support Depot Level organic maintenance capability, and conversion of O-Level maintenance data to Interactive Electronic Technical Manual sets (IETM).

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10b</b>	P-1 Line Item Nomenclature <b>JOINT CARGO AIRCRAFT</b>

Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe													
Avionics													
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
FLYAWAY COST SUBTOTAL													
ICS													
Initial Supply Support													
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data/Data Licenses													24.678
ECOs													
Other													
SUPPORT COST SUBTOTAL													
<b>TOTAL PROGRAM</b>													<b>24.678</b>

**Comments**

For FY07: The FY07PB is APAF, BP10: Per USAF request, the FY07 appropriations bill reprogrammed the FY07 funds to RDT&E.

For FY08: FY08 APAF BP 10 funding was reprogrammed to RDT&E.

For FY09: \$74.433M of APAF BP10 funding reprogrammed to RDT&E. Remaining FY09 APAF BP10 funding is required to procure Technical Data, Data Licenses to support Depot Level organic maintenance capability, and conversion of O-Level maintenance to Interactive Electronic Technical Manual sets.

For FY10 & Out: Final AF JCA requirements and procurement quantities are still being defined. These requirements will be validated by FY08. The AF intends to transfer a portion of APAF funds to RDT&E in the FY10 POM to support any resulting aircraft, training system, test, and support system development requirements.

Exhibit P-5A, Procurement History and Planning Date: February 2007

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number  
**Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10b**

P-1 Line Item Nomenclature  
**JOINT CARGO AIRCRAFT**

Weapon System

Subline Item

LCA

WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
TBD	TBD	TBD	Huntsville AL	Mar-06	C	Army	TBD				

Remarks



Exhibit P-40, Budget Item Justification								Date: February 2007				
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. 10c								MC-130 Recap				
Program Element for Code B Items:			N/A			Other Related Program Elements:			HC-130Recap, RDT&E: 64261F HC-130Recap, APAF: 27224F MC-130Recap, DoD-Wide: 1160429BB			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A					4	4	4	4	4	TBD	TBD
Cost (\$ M)						346.115	293.136	295.118	261.223	291.741	TBD	TBD
Advance Proc Cost (\$ M)					65.742	40.000	43.680	47.699	52.087	56.879	TBD	TBD
Weapon System Cost (\$ M)		0.000	0.000	0.000	65.742	386.115	336.816	342.817	313.310	348.620	TBD	TBD
Initial Spares (\$ M)											TBD	TBD
Total Proc Cost (\$ M)		0.000	0.000	0.000	65.742	386.115	336.816	342.817	313.310	348.620	TBD	TBD
Flyaway Unit Cost (\$ M)						TBD						
Wpn Sys Unit Cost (\$ M)						TBD						
<b>Description</b>												
<p>The MC-130 Recap Program will begin to recapitalize the aging USAF fleet of Special Operations Forces (SOF) Tanker aircraft which is experiencing airworthiness, maintainability and operational limitations. The low density / high demand MC-130E/P fleet consists of 37 aircraft in Active Duty and Air Force Reserve squadrons. The Analysis of Alternatives (AoA), completed in Nov 2006, recommended procurement of 37 modified, medium-transport aircraft as the best solution to begin to fill the capability gap. The replacement platform has not yet been selected, but the AoA identified the C-130J and A-400M as available candidates. The acquisition program is being structured based on the AoA recommended solution. The FY 2008 President's Budget requests Advance Procurement funds to begin the program. This is a New Start request.</p> <p>APAF funds for HC-130 Recap are in Program Element 0207224F and RDT&amp;E funds are in PE 6040261F. The HC/MC-130 Recap Capabilities Development Document (ECD 3Q FY07) will define requirements for the recapitalization of the the HC-130P/N and MC-130E/P. Air Force will fund MC-130 Recap to the extent requirements are common with HC-130 Recap. USSOCOM will fund SOF-peculiar development and procurement requirements.</p>												
<b>FY 2008 Program Justification</b>												
The FY 2008 PB provides advance procurement for four aircraft to be procured in FY09.												
<b>FY 2009 Program Justification</b>												
FY 2009 funds will procure four aircraft, support elements, and advance procurement for four aircraft to be procured in FY10.												
P-1 Shopping List Item No. 10c								Budget Item Justification Exhibit P-40, page 1 of 4				

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10c</b>	P-1 Line Item Nomenclature <b>MC-130 Recap</b>

Manufacturer's Name/Plant City/State Location TBD	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe/Engines/Accessories											4	84.175	336.700
Avionics													
Armament													
Software													
Government Furnished Equipment (GFE)													44.500
Engineering Change Orders (ECO)													
Nonrecurring Costs													13.857
Other Costs													
<b>FLYAWAY COST SUBTOTAL</b>													395.057
Peculiar Ground Support Equipment (PGSE)													
Peculiar Training Equipment													9.300
Publications/Technical Data													
ECOs													
ICS													3.100
ISS													4.400
Data													
Post-Delivery Support													
Other													
<b>SUPPORT COST SUBTOTAL</b>													16.800
Gross P-1 Cost													411.857
Advance Procurement (Credit)													-65.742
Net P-1 Cost													346.115
Advance Procurement										65.742			40.000
<b>TOTAL PROGRAM</b>										65.742			386.115

Comments

Exhibit P-5A, Procurement History and Planning Date: February 2007

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. 10c** **MC-130 Recap**

Weapon System Subline Item  
MC-130 Recap

WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Aircraft Procurement (FY09)		TBD	WPAFB		TBD	TBD	TBD				

Remarks

The MC-130 Recap platform has not yet been selected. The acquisition program is being structured based on procurement of a combat rescue tanker variant of a medium-size transport (e.g. C-130J, A-400M).



Exhibit P-40, Budget Item Justification							Date: February 2007					
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							MC-130 Recap AP					
Program Element for Code B Items:			N/A			Other Related Program Elements:			HC-130Recap, RDT&E: 64261F HC-130Recap, APAF: 27224F MC-130Recap, DoD-Wide: 1160429BB			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)					65.742	40.000	43.680	47.699	52.087	56.879		306.087
Weapon System Cost (\$ M)		0.000	0.000	0.000	65.742	40.000	43.680	47.699	52.087	56.879	0.000	306.087
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	65.742	40.000	43.680	47.699	52.087	56.879	0.000	306.087
Flyaway Unit Cost (\$ M)						TBD						
Wpn Sys Unit Cost (\$ M)						TBD						

**Description**

The MC-130 Recap Program will begin to recapitalize the aging USAF fleet of Special Operations Forces (SOF) Tanker aircraft which is experiencing airworthiness, maintainability and operational limitations. The low density / high demand MC-130E/P fleet consists of 37 aircraft in Active Duty and Air Force Reserve squadrons. The Analysis of Alternatives (AoA), completed in Nov 2006, recommended procurement of 37 modified, medium-transport aircraft as the best solution to begin to fill the capability gap. The replacement platform has not yet been selected, but the AoA identified the C-130J and A-400M as available candidates. The acquisition program is being structured based on the AoA recommended solution. The FY 2008 President's Budget requests Advance Procurement funds to begin the program. This is a New Start request.

APAF funds for HC-130 Recap are in Program Element 0207224F and RDT&E funds are in PE 6040261F. The HC/MC-130 Recap Capabilities Development Document (ECD 3Q FY07) will define requirements for the recapitalization of the the HC-130P/N and MC-130E/P. Air Force will fund MC-130 Recap to the extent requirements are common with HC-130 Recap. USSOCOM will fund SOF-peculiar development and procurement requirements.

**FY 2008 Program Justification**

The FY 2008 PB provides advance procurement for four aircraft to be procured in FY09.

**FY 2009 Program Justification**

FY 2009 funds will provide advance procurement for four aircraft to be procured in FY10.

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11</b>										P-1 Line Item Nomenclature <b>MC-130 Recap AP</b>			
Weapon System MC-130 Recap AP					First System Award Date					First System Completion Date			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty							4	4	4	4	4	TBD	20
CFE						65.742	40.000	43.680	47.699	52.087	56.879		306.087
GFE													0.000
EOQ													0.000
Design													0.000
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			0.000	0.000	0.000	65.742	40.000	43.680	47.699	52.087	56.879	0.000	306.087
<b>Description</b>													
The Advance Procurement CFE funding will enable the prime contractor to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule.													
P-1 Shopping List Item No. 11							<b>Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3</b>						

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11</b>											P-1 Line Item Nomenclature <b>MC-130 Recap AP</b>				
Weapon System MC-130 Recap AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request
End Item															
CFE												65.742			40.000
GFE															
EOQ															
Design															
Term Liability															
TOTAL AP						0.000			0.000			65.742			40.000
<b>Description</b>															
The Advance Procurement CFE funding will enable the prime contractor to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule.															
P-1 Shopping List Item No. 11											Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Exhibit P-10 p.2, page 3 of 3				

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**FY 2008/2009 BUDGET ESTIMATES**  
**BUDGET ACTIVITY 03 – TRAINER AIRCRAFT**  
**FEBRUARY 2007**

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<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12</b>							P-1 Line Item Nomenclature <b>Joint Primary Aircraft Training System (JPATS)</b>					

Program Element for Code B Items:		N/A			Other Related Program Elements:				0604233F, 0804741F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	311	54	48	39						0	452
Cost (\$ M)		1601.762	328.836	304.017	245.889	5.803	1.965	1.829	1.865	1.903	0.000	2493.869
Advance Proc Cost (\$ M)		0.000									0.000	0.000
Weapon System Cost (\$ M)		1601.762	328.836	304.017	245.889	5.803	1.965	1.829	1.865	1.903	0.000	2493.869
Initial Spares (\$ M)		25.837	0.000	0.000	0.000	0.000	0.000	0.000			0.000	25.837
Total Proc Cost (\$ M)		1627.599	328.836	304.017	245.889	5.803	1.965	1.829	1.865	1.903	0.000	2519.706
Flyaway Unit Cost (\$ M)		3.901	5.157	5.254	5.502							4.607
Wpn Sys Unit Cost (\$ M)		5.150	6.090	6.334	6.305							5.517

**Description**

Supports Air Education and Training Command's (AETC) implementation of Specialized Undergraduate Pilot Training (SUPT) and the Department of Defense initiative for joint primary pilot training. The Joint Primary Aircraft Training System (JPATS) is a joint USAF/USN venture to replace the Services' fleets of primary trainer aircraft (T-37/T-34 respectively) and associated Ground Based Training Systems (GBTS). The USAF's T-37 aircraft average over 35 years of age. The T-37s have an antiquated suite of increasingly unsupportable and non-representative avionics (i.e., analog versus digital cockpit), as well as noisy, underpowered and fuel-inefficient engines. Cockpits are unpressurized, resulting in the largest number of physiological incidents in the Air Force. The JPATS T-6A offers a pressurized cockpit, anti-g suit, a 0/0 ejection seat, and increased birdstrike protection. The USAF is the executive service for JPATS. The Air Force accelerated JPATS acquisition in FY 2004 through FY 2007 to allow earlier beddown of the T-6A and earlier retirement of the T-37B.

**FY 2008 Program Justification**

Will procure aircraft, GBTS, and associated support based on availability of the FY 2008 funds. Aircraft will beddown at Laughlin, Vance, Columbus, Randolph, and Sheppard AFBs. Engineering Change Order (ECO) and modification funding will be used to cover planned retrofits and other changes resulting from the flight test program, deficiency report, and air vehicle engineering improvements. GBTS includes two T-6A Operational Flight Trainers in support of Combat System Officer (CSO) training.

**FY 2009 Program Justification**

Funding has been programmed to procure one T-6A Operational Flight Trainer in support of CSO training.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12</b>	P-1 Line Item Nomenclature <b>Joint Primary Aircraft Training System (JPATS)</b>

Manufacturer's Name/Plant City/State Location Raytheon Aircraft Company/Wichita/Kansas	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft	A	54	5.157	278.460	48	5.254	252.188	39	5.502	214.568			
<b>FLYAWAY COST SUBTOTAL</b>				278.460			252.188			214.568			
Advance Procurement	A			0.100			0.100						
Other	A			22.676			26.429			23.921			1.803
<b>SUPPORT COST SUBTOTAL</b>				22.776			26.529			23.921			1.803
Ground Based Training System	A			27.600			25.300			7.400			4.000
<b>TOTAL PROGRAM</b>				328.836			304.017			245.889			5.803

**Comments**

"Advance Procurement" was needed for FY2006 and FY2007 to purchase main landing gear door cylinders, which have a 21-month lead time, for the FY2007 and FY2008 lot buys. The requirement for Advance Procurement is driven by the change from a FAR Part 12 (commercial) acquisition to a traditional FAR Part 15 acquisition, effective with the FY2007 lot buy. Approval for \$100 thousand Advance Procurement in FY2006 was obtained through the Congressional new start notification process.

"Other" includes air vehicle support, integrated logistics support, and mission support.

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Exhibit P-5A, Procurement History and Planning							Date: February 2007				
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				Subline Item							
T-6											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Air Vehicle FY95	9	6.646	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft Co Wichita, Kansas	Feb-96	Feb-00	Yes	
Air Vehicle FY96	4	3.431	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft Co Wichita, Kansas	Sep-96	Jun-00	Yes	
Air Vehicle FY97	11	3.431	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Apr-97	Aug-00	Yes	
Air Vehicle FY98	22	2.959	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	Feb-98	Mar-01	Yes	
Air Vehicle FY99	22	2.845	ASC/YT WPAFB OH	May-94	C/FPO	FPIF with EPA	Raytheon Aircraft Co Wichita, Kansas	May-99	Nov-01	Yes	
Air Vehicle FY00	29	2.596	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Jun-00	Jun-02	Yes	
Air Vehicle FY01	34	2.431	ASC/YT WPAFB OH	May-94	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-01	Mar-03	Yes	
Air Vehicle FY02	40	4.272	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Dec-01	Mar-04	Yes	
Air Vehicle FY03	35	4.596	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Nov-02	Nov-04	Yes	
Air Vehicle FY04	52	4.630	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-04	Jul-05	Yes	
Air Vehicle FY05	53	5.025	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-05	Jul-06	Yes	
Air Vehicle FY06	54	5.157	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-06	Jul-07	Yes	

P-1 Shopping List Item No. 12

Procurement History and Planning  
Exhibit P-5A, page 3 of 9

<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12</b>	P-1 Line Item Nomenclature <b>Joint Primary Aircraft Training System (JPATS)</b>

<b>Weapon System</b>				Subline Item							
T-6											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Air Vehicle FY07	48	5.254	ASC/YT WPAFB OH	Mar-06	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	May-07	Jun-08	Yes	
Air Vehicle FY08	39	5.502	ASC/YT WPAFB OH	Mar-06	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-08	Jun-09	Yes	

**Remarks**  
 In constant dollars, the T-6A unit price decreased from FY 1995 through FY 2001 (the term of the initial contract), then increased beginning in FY 2002, the first year of the follow-on contract. The unit price increase is caused by high demand due to the commercial nature of T-6A components and relatively small T-6A quantities, increased cost of materials, and a lower volume of foreign sales than was originally forecast. The FY2002 follow-on contract was in accordance with FAR Part 12 and incorporated commercial payments. The FY2007 follow-on contract will be in accordance with FAR Part 15.

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**FY 2008/2009 BUDGET ESTIMATES**  
**BUDGET ACTIVITY 04 – OTHER AIRCRAFT**  
**FEBRUARY 2007**

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Exhibit P-40, Budget Item Justification								Date: February 2007				
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. 12a								CSAR-X Advance Procurement				
Program Element for Code B Items:		N/A			Other Related Program Elements:				0604261F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A						10	10	14	17		51
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)						65.900	67.100	95.600	119.300	120.004		467.904
Weapon System Cost (\$ M)		0.000	0.000	0.000	0.000	65.900	67.100	95.600	119.300	120.004	0.000	467.904
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	0.000	65.900	67.100	95.600	119.300	120.004	0.000	467.904
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The primary mission of the Combat Search and Rescue Replacement Vehicle (CSAR-X) is to recover downed aircrew and isolated personnel from hostile or denied territory. Rescue forces may also conduct other missions inherent in their capabilities to conduct Personnel Recovery (PR), such as non-conventional assisted recovery, non-combatant evacuation operations, civil search and rescue, international aid, emergency medical evacuation, disaster/humanitarian relief, and insertion/extraction of combat forces.

The CSAR-X will provide USAF Combat Rescue forces with a vertical take-off and landing aircraft that is deployable and capable of main base and austere location operations for worldwide Combat Search and Rescue (CSAR) and Joint PR missions. On-board weapons and defensive capabilities will permit the CSAR-X to operate in an increased threat environment. An in-flight refueling system will provide an airborne alert capability and extend its combat mission range. The aircraft will be self-supporting to the maximum extent practical. The CSAR-X will be capable of operating in all environmental regions of the globe, day or night, during adverse weather conditions, to include passing through Nuclear, Biological, and Chemical (NBC) environments.

On 8 Nov 2006 USD(AT&L) approved the CSAR-X program to enter System Development and Demonstration (SDD). On 9 Nov 2006 the Air Force awarded a contract for SDD of an H-47 variant proposed by Boeing Integrated Defense Systems of Ridley Park, PA.

RDT&E funding through PE 0604261F is required for the CSAR-X SDD. This effort includes but is not limited to non-recurring engineering, test vehicle hardware, software, simulator development, and data. Development of three Block 0 Test Vehicles and the design, integration, testing, and certification of CSAR-X mission components required by the Capability Development Document (CDD) will begin in FY07.

**FY 2008 Program Justification****FY 2009 Program Justification**

Funding for FY09 advance procurement is needed to support CSAR-X air vehicle procurement. At an aggregate level, assets requiring long lead include light alloy castings and forgings, transmission system castings and forgings, structural assemblies, gearbox, and rotor assemblies.

<b>Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)</b>										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 12a</b>										P-1 Line Item Nomenclature <b>CSAR-X Advance Procurement</b>			
Weapon System CSAR-X AP					First System Award Date Mar-09					First System Completion Date Aug-11			
(\$ in Millions)													
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>To Comp</u>	<u>Total</u>
End Item Qty								10	10	14	17		51
CFE							65.900	67.100	95.600	119.300	120.004		467.904
GFE													0.000
EOQ													0.000
Design													0.000
Term Liability													0.000
													0.000
<b>TOTAL AP</b>			0.000	0.000	0.000	0.000	65.900	67.100	95.600	119.300	120.004	0.000	467.904
<b>Description</b>													
Dollars reflected above are advanced procurement requirements for the CSAR-X helicopter, one year in advance of full funding. Assets requiring long lead include light alloy castings and forgings, transmission system castings and forgings, structural assemblies, gearbox, and rotor assemblies. The FY09 advanced procurement supports the acquisition of 10 CSAR-X airframes in FY10.													
P-1 Shopping List Item No. 12a							<b>Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 2 of 3</b>						

<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 12a</b>											P-1 Line Item Nomenclature <b>CSAR-X Advance Procurement</b>				
Weapon System CSAR-X AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006 Contract Forecast Date	2006 Total Cost Request	2007 QTY	2007 Contract Forecast Date	2007 Total Cost Request	2008 QTY	2008 Contract Forecast Date	2008 Total Cost Request	2009 QTY	2009 Contract Forecast Date	2009 Total Cost Request
End Item															
CFE															65.900
GFE															
EOQ															
Design															
Term Liability															
<b>TOTAL AP</b>						0.000			0.000			0.000			65.900
<b>Description</b>															
Dollars reflected above are advanced procurement requirements for the CSAR-X helicopter, one year in advance of full funding. Assets requiring long lead include light alloy castings and forgings, transmission system castings and forgings, structural assemblies, gearbox, and rotor assemblies. The FY09 advanced procurement supports the acquisition of 10 CSAR-X airframes in FY10.															
P-1 Shopping List Item No. 12a											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 Justification							Date: February 2007					
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)					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	5	2	2	5	6	5	5	5	5	8	48
Cost (\$ M)		600.907	219.262	207.775	453.797	410.722	393.150	356.469	366.186	360.590	565.688	3934.546
Advance Proc Cost (\$ M)		35.659	10.384	34.264	41.245	14.266	13.837	13.421	22.669	14.018	7.554	207.317
Weapon System Cost (\$ M)		636.567	229.646	242.039	495.042	424.988	406.987	369.890	388.855	374.608	573.242	4141.864
Initial Spares (\$ M)		108.435	32.917	28.342	81.672	52.862	80.315	65.057	61.107	86.245	63.315	660.267
Total Proc Cost (\$ M)		745.002	262.563	270.381	576.714	477.850	487.302	434.947	449.962	460.853	636.557	4802.131
Flyaway Unit Cost (\$ M)		78.495	73.222	70.244	67.186	64.026	67.014	66.380	67.839	68.216	69.177	68.753
Wpn Sys Unit Cost (\$ M)		127.313	114.824	121.020	99.008	70.831	81.397	73.978	77.771	74.922	71.678	86.289

**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 critical capability to insert, extract, and resupply special operation forces into politically or militarily denied areas, not currently provided by existing aircraft. 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 program will procure and field 50 CV-22 aircraft and support equipment. The Air Force funds the procurement of the basic aircraft (V-22 common components) and contractor logistics support for operational testing and Type I training. USSOCOM funds the procurement of SOF systems unique to the CV-22, such as the terrain following radar and electronic warfare suite. The Air Force funds 85 percent of the procurement cost for CV-22 training systems, while USSOCOM funds 15 percent. The Air Force and Navy 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.

Note: Two Production Representative Test Vehicles (PRTV) were built using FY02 RDT&E and are included in the total fleet of 50 CV-22s. These two PRTV aircraft were used for operational testing in FY06 and are now training assets at Kirtland AFB.

**FY 2008 Program Justification**

The FY08 budget will provide funds to procure five CV-22 aircraft for delivery in FY10. This is the first year of a 5-year multi-year procurement (MYP).

The FY08 budget also includes funding for support elements including: Airframe peculiar ground support equipment (PGSE), Engine PGSE, Avionics PGSE, Peculiar Training Equipment, Technical Publications, Production Engineering Support, Common Support Equipment, and Other Integrated logistics Support (ILS). Initial Spares being procured this year will provide initial lay-in spares and Readiness Spares Packages for the 5 aircraft being procured (for Hurlburt Field) as well as three spare engines. These support elements have a lead time of up to 24 months and will be used to support training operations at Kirtland AFB and mission operations at Hurlburt Field and Cannon AFB..

The FY08 budget includes Advanced Procurement funds to purchase long lead items for six CV-22 aircraft to be procured in FY09, and EOQ for the continued MYP.

**FY 2009 Program Justification**

The FY09 budget will provide funding to procure six CV-22 aircraft under the second year of a 5-year MYP contract for delivery in FY11.

The FY09 budget includes support elements including: Peculiar Training Equipment, Technical Publications, Production Engineering Support, Common Support Equipment, and Other ILS. Initial Spares being procured in FY09 will provide initial lay-in spares and Readiness Spares Packages for the 6 aircraft being procured (for Hurlburt Field) as well as

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13</b>	P-1 Line Item Nomenclature <b>CV-22 (Osprey)</b>

**FY 2009 Program Justification Continued**

two spare engines. These support elements have a lead time of up to 24 months and will be used to support training operations at Kirtland AFB and mission operations at Hurlburt Field and Cannon AFB.

The FY09 budget includes Advanced Procurement funds to purchase long lead items for five CV-22 aircraft to be procured in FY10, and EOQ for the continued MYP.

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<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
<b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13</b>	<b>CV-22 (Osprey)</b>

Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Air Frame CFE	A	2	66.511	133.022	2	62.383	124.765	5	60.488	302.438	6	57.271	343.627
Engines/Accessories	A			8.458			8.600			21.990			26.968
CFE Electronics	A			0.000			0.000			0.000			0.000
GFE Electronics	A			1.734			2.133			5.454			6.689
Engineering Change Orders (ECO)	A			3.231			4.991			6.049			6.873
Nonrecurring Cost	A			17.857			6.800			3.830			7.940
Parts Obsolescence	A			1.408			2.211			2.253			2.296
<b>TOTAL FLYAWAY COST</b>				165.710			149.499			342.013			394.392
Airframe PGSE	A			3.085			2.527			8.988			0.030
Engine PGSE	A			0.567			0.319			0.798			0.000
Avionics PGSE	A			0.130			3.648			4.846			0.000
Peculiar Training Equipment	A			10.065			5.786			35.206			3.938
Publications/Technical Data	A			1.155			3.799			7.566			7.838
Other ILS	A			35.103			38.359			56.123			9.583
Production Engr Support	A			14.048			8.787			8.316			12.650
Common SE	A			0.265			5.336			9.886			11.391
Support ECO/Mod	A			0.000			0.100			0.214			0.079
<b>SUPPORT COST</b>				64.418			68.660			131.944			45.509
Gross P-1 Cost				230.128			218.159			473.957			439.901
Advance Procurement (Credit)				-10.866			-10.384			-20.160			-29.179
Net P-1 Cost				219.262			207.775			453.797			410.722
Advance Procurement				10.384			34.264			41.245			14.266
<b>Weapon System Cost</b>				229.646			242.039			495.042			424.988
Initial Spares				32.917			28.342			81.672			52.862
<b>TOTAL PROGRAM</b>				229.646			242.039			495.042			424.988

Comments  
 Note: "Total Program" above does not include BP16 Initial Spares funds or BP-11 Modification funds.

P-1 Shopping List Item No. 13	<b>Weapon System Cost Analysis</b>
	<b>Exhibit P-5, page 3 of 8</b>

<b>Exhibit P-5A, Procurement History and Planning</b>							Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							P-1 Line Item Nomenclature				
<b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13</b>							<b>CV-22 (Osprey)</b>				

<b>Weapon System</b>				Subline Item							
CV-22											

WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Aircraft Procurement Lot 9 (FY05)	3	94.183	NAVAIR	May-04	SS	FPI	Bell-Boeing, Patuxent River MD	Dec-04	Nov-06	Yes	
Aircraft Procurement Lot 10 (FY06)	2	114.824	NAVAIR	Mar-05	SS	FFP	Bell-Boeing, Patuxent River, MD	Dec-05	Jan-08	Yes	
Aircraft Procurement Lot 11 (FY07)	2	121.020	NAVAIR	Mar-06	SS	FFP	Bell-Boeing, Amarillo, TX	Feb-07	Dec-08	Yes	
Aircraft Procurement Lot 12 (FY08)	5	99.008	NAVAIR	Jul-06	SS	FFP	Bell-Boeing, Amarillo, TX	Jun-07	Nov-09	Yes	
Aircraft Procurement Lot 13 (FY09)	6	70.831	NAVAIR	Jul-06	SS	FFP	Bell-Boeing, Amarillo, TX	Jun-07	Nov-10	Yes	

**Remarks**  
 FY08 through FY12 procurement will be ordered on Multi-Year contract scheduled to be awarded in June 2007.

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Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 14							CV-22 (Osprey) Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)		35.659	10.384	34.264	41.245	14.266	13.837	13.421	22.669	14.018	7.554	207.317
Weapon System Cost (\$ M)		35.659	10.384	34.264	41.245	14.266	13.837	13.421	22.669	14.018	7.554	207.317
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		35.659	10.384	34.264	41.245	14.266	13.837	13.421	22.669	14.018	7.554	207.317
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 critical capability to insert, extract, and resupply special operation forces into politically or militarily denied areas, not currently provided by existing aircraft. 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 program will procure and field 50 CV-22 aircraft and support equipment. The Air Force funds the procurement of the basic aircraft (V-22 common components) and contractor logistics support for operational testing and Type I training. USSOCOM funds the procurement of SOF systems unique to the CV-22, such as the terrain following radar and electronic warfare suite. The Air Force funds 85 percent of the procurement cost for CV-22 training systems, while USSOCOM funds 15 percent.

**FY 2008 Program Justification**

The FY08 budget includes \$41.2M for Economic Order Quantity (EOQ) to support an FY08 through FY12 multi-year procurement contract.

**FY 2009 Program Justification**

The FY09 budget includes \$14.3M for Economic Order Quantity (EOQ) to support an FY08 through FY12 multi-year procurement contract.



<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 14</b>											P-1 Line Item Nomenclature <b>CV-22 (Osprey) Advance Procurement</b>				
Weapon System CV22AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request
End Item															
CFE	34			2	Feb-06	10.384									
GFE															
EOQ															
EOQ/Long-Lead for FY08	32						5	Jan-07	20.160						
EOQ/Long-Lead for FY09	32						6	Jan-07	4.569	6	Dec-07	24.610			
EOQ/Long-Lead for FY10	32						5	Jan-07	3.264	5	Dec-07	5.695	5	Dec-08	14.266
EOQ/Long-Lead for FY11	32						5	Jan-07	3.007	5	Dec-07	5.245			
EOQ/Long-Lead for FY12	32						5	Jan-07	3.264	5	Dec-07	5.695			
EOQ/Long-Lead for FY13	32														
EOQ/Long-Lead for FY14	32														
EOQ/Long-Lead for FY15	32														
<b>TOTAL AP</b>									10.384			34.264			41.245
<b>Description</b>															
Airframe CFE requirements are long lead parts and materials necessary to protect the delivery schedule. Includes ADF Antenna/Processor, AN/APN-194 Radar Altimeter Antenna, AN/ARN-147 (V), and External Power Monitor.															
Select components to facilitate reductions in production set-up will be procured at economic order quantities (EOQ). Examples of the most advantageous items to procure utilizing EOQ funding include components such as Forward Looking Infrared Sensor (FLIR), Multi-Function Displays (MFDs), Interface Units, Flight Control System and various machined parts and hydraulic components.															
P-1 Shopping List Item No. 14											Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Exhibit P-10 p.2, page 3 of 3				

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15</b>								P-1 Line Item Nomenclature <b>C-40</b>				
Program Element for Code B Items:		N/A			Other Related Program Elements:				None			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	1			2		1	1			0	5
Total Proc Cost (\$ M)		67.524	0.000	0.000	48.615	0.000	28.253	26.238	0.000	0.000	0.000	170.630

**Description**  
 This line item provides funding to purchase Air Force C-40 aircraft. The C-40 is a military variant of the commercial 737 Boeing Business Jet. 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 2008 Program Justification**  
 Purchases two leased C-40 aircraft operated by the Air National Guard at Andrews AFB, MD. Aircraft were leased from Boeing for a six-year term in 2002 under Fiscal Year 2002 authorizing legislation. The lease term expires in Fiscal Year 2008, at which time the Air Force will purchase the aircraft.

**FY 2009 Program Justification**  
 No activity planned.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15</b>	P-1 Line Item Nomenclature <b>C-40</b>

Manufacturer's Name/Plant City/State Location Boeing Aerospace/Seattle/WA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
AIRCRAFT PURCHASE	A	0						2	24.308	48.615			
<b>TOTAL PROGRAM</b>										48.615			

Comments

<b>Exhibit P-21, Production Schedule</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15</b>	P-1 Line Item Nomenclature <b>C-40</b>
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PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 0	BALANCE DUE AS OF 1 OCT 0	FISCAL YEAR 1													FISCAL YEAR 2													L A T E R
					CALENDAR YEAR 1													CALENDAR YEAR 2													
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
2008	USAF	2	0	2	C	O	E	A	E	A	P	A	U	U	U	E	2	C	O	E	A	E	A	P	A	U	U	U	E		0
2010	USAF	1	0	1	T	V	C	N	B	R	R	Y	N	L	G	P														1	
2011	USAF	1	0	1																										1	
<b>TOTAL</b>		<b>4</b>	<b>0</b>	<b>4</b>																										<b>2</b>	
					O	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S			
					C	O	E	A	E	A	P	A	U	U	U	E	2	C	O	E	A	E	A	P	A	U	U	U	E		
					T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P			

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		INITIAL REORDER			
					PRIOR 1 OCT	AFTER 1 OCT				
Boeing Aerospace	Seattle, WA									

REMARKS  
None

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Exhibit P-40, Budget Item Justification						Date: February 2007						
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. 16						Civil Air Patrol						
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	28										28
Cost (\$ M)		10.427	6.483	10.156	4.477	2.444	2.503	2.536	2.586	2.638		44.250
Advance Proc Cost (\$ M)		0.000										0.000
Weapon System Cost (\$ M)		10.427	6.483	10.156	4.477	2.444	2.503	2.536	2.586	2.638	0.000	44.250
Initial Spares (\$ M)		0.000										0.000
Total Proc Cost (\$ M)		10.427	6.483	10.156	4.477	2.444	2.503	2.536	2.586	2.638	0.000	44.250
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The Civil Air Patrol (CAP) is a Congressionally chartered non-profit corporation that serves as the Auxiliary of the Air Force. CAP uses federally provided resources to provide assistance requested by the DoD, federal, state or local government authorities and non-governmental organizations (NGO's) to perform emergency or non-emergency public purpose missions and activities.

Pursuant to US Code (Title 10 & 36) the purpose of CAP Corporation is to encourage and aide citizens of the US in contributing their efforts, services, and resources in developing aviation and in maintaining air supremacy; and to encourage and develop by example the voluntary contribution of private citizens to the public welfare. CAP provides aviation education and training, as well as encourages and fosters civil aviation in local communities. CAP also provides an organization to assist in meeting local emergencies and assists the Dept of the Air Force in non-combat programs/missions.

This program has no initial spares cost. The weapon system cost, flyaway unit cost, and weapon system unit cost do not apply.

**FY 2008 Program Justification**

Award the production contract for 10 Cessna 182T's. Four seat fixed-wing single engine aircraft equipped with satellite digital imaging systems, automatic direction finder, emergency locator transmitter, fm radio, camera port window, ground power unit, and crew training.

**FY 2009 Program Justification**

Award the production contract for 5 Cessna 182T's. Four seat fixed-wing single engine aircraft equipped with satellite digital imaging systems, automatic direction finder, emergency locator transmitter, fm radio, camera port window, ground power unit, and crew training.

Exhibit P-5, Weapon System Cost Analysis						Date: February 2007							
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. 16						Civil Air Patrol							
Manufacturer's Name/Plant City/State Location				Subline Item									
Cessna/Independence, KS Gippsland/Morwell Victoria, Australia Blanik/Kunovice, Czech SAGEM SDIS/Grand Prairie, TX or Puyallup, WA BYCA/Chatsworth, CA Becker DF's/Rheinmuenster, Germany													
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics													
Cessna 182T		17	0.403	6.851	5	0.424	2.118	10	0.449	4.489	5	0.474	2.372
Gippsland GA-8													
Blanik L23 Glider w/Trailer					1	0.070	0.070	2	0.070	0.140			
Blanik L23 Glider											2	0.055	0.110
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
SAGEM SDIS System													
BYCA Ground Power Units					24	0.000	0.011	23	0.000	0.011	10	0.001	0.005
Becker DF-517								1	0.013	0.013			
Proceeds from Aircraft Sales				-0.368			-0.006			-0.237			-0.070
FLYAWAY COST SUBTOTAL				6.483			2.193			4.416			2.417
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
Other													
SUPPORT COST SUBTOTAL													
TOTAL PROGRAM				6.483			2.193			4.416			2.417
Comments													
CAP shall request, through CAP-USAF, Air Force funds for the acquisition of aircraft for use in support of Air Force assigned missions and approved programs. The Air Force will have approval authority for all aircraft acquisitions for use in support of Air Force assigned missions. CAP shall also manage a program for modernization and upgrade of the CAP aircraft fleet used in support of Air Force assigned missions and approved programs. CAP's aircraft fleet consists of mainly small fixed wing aircraft such as Cessna 172s and 182s.													
P-1 Shopping List Item No. 16						Weapon System Cost Analysis Exhibit P-5, page 2 of 5							

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16</b>	P-1 Line Item Nomenclature <b>Civil Air Patrol</b>
<p>CAP also maintains a smaller fleet of gliders that are used to support the Cadet Program.</p> <p>*Note 1: Proceeds are derived from the sale of old aircraft IAW DoDGARS 32.34(e)</p> <p><b>DESCRIPTION</b></p> <p>Cessna 182T's: Four seat, fixed-wing, single engine aircraft equipped with Satellite Digital Imaging Systems (SDIS), automatic direction finder, emergency locator transmitter, fm radio, camera port window, ground power unit, and crew training.</p> <p>Gippsland GA-8: Eight seat, fixed-wing, single engine aircraft equipped with SDIS, automatic directional finder, emergency locator transmitter, fm radio, camera port window, ground power unit, Hyper Spectral Imaging System, and crew training.</p> <p>Blanik L23 Glider: Two seat, all metal, fixed-wing glider.</p> <p>SAGEM Satellite Digital Imaging System: Integrated system consisting of satellite phone, dialer, camera, and computer.</p> <p>BYCA Ground Power Unit: 24 volt ground power supply.</p> <p>Becker DF-517: Automatic direction finder that tracks emergency signal transmitted by downed aircraft.</p>	
P-1 Shopping List Item No. 16	Weapon System Cost Analysis Exhibit P-5, page 3 of 5

<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16</b>	P-1 Line Item Nomenclature <b>Civil Air Patrol</b>

<u>Weapon System</u>				Subline Item							
CAP											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
CAP Aircraft: Single Engine-Fixed Wing Aircraft	10	0.304	CAP, Inc. 105 S. hansell St. Bldg. 714 Maxwell AFB, AL 36112-6332	Jun-06	Negotiated Competitive	Fixed-Price IDIQ Contracts with Prospective Price Redeterminat ion AA	Cessna Aircraft Co. Wichita, KS	Feb-07	Aug-07	Yes	

**Remarks**

Procurement times for Cessna 182T, Gippsland GA-8 and Blanik gliders are one year. SAGEM SDIS Systems, BYCA Ground Power Units, and Becker DF-517 procurement times are 9 months.

Execution can be accomplished within 45 days of funding distribution.

The aforementioned contract is scheduled to expire 31 Jan 09. These responses are for powered aircraft only. There is no RFP for gliders at this time but we may issue one if granted approval to purchase gliders. We intend to use the same process outlined above resulting in one or more three year IDIQ contracts.

This contract also covers following aircraft: Type IIIA - Cessna 206 - \$569,635.00 less volume discount. Type IIIB - Gippsland GA-8 - \$518,043.00 less volume discount. Type IIIC - Found Air FBA-2C2 - \$521,989.00 less volume discount.

Additional Contractor and Location Information: Found Aircraft Canada/Parry Sound, Ontario and Gippsland Aeronautical PTY LTD Morwell/Victoria, Australia...A3SHA



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Exhibit P-40, Budget Item Justification								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17								Target Drones				
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)		N/A	78.582	81.743	85.604	90.349	92.412	93.457	95.290	151.480	N/A	N/A
Advance Proc Cost (\$ M)												0.000
Weapon System Cost (\$ M)		N/A	78.582	81.743	85.604	90.349	92.412	93.457	95.290	151.480	N/A	N/A
Initial Spares (\$ M)		N/A	0.471	0.384	0.509	0.524	0.537	0.543	0.554	0.565	N/A	N/A
Total Proc Cost (\$ M)		N/A	79.053	82.127	86.113	90.873	92.949	94.000	95.844	152.045	N/A	N/A
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

Full-scale and subscale targets assure warfighters that weapon systems will perform effectively against real-world enemy fighters and cruise missiles. Aerial targets help adherence to public law Title 10, Section 2366 "Live Fire/Lethality" developmental/operational test requirements. Target drones are used to validate operational missile/weapon system effectiveness and fighter Operational Flight Program (OFP) updates. Target drones are also essential for development testing/operational testing for all air-to-air and ground-to-air missiles, and for the F-22A, F-35, F-16, F-15, etc., aircraft. The objective is to provide realistic targets for missile testing to enable the development of air defense systems capable of defeating changing airborne threats. This program provides funds for the procurement of full-scale (QF-4 and the follow-on full-scale Air Superiority Target--AST) and subscale (BQM-167A Air Force Subscale Aerial Target--AFSAT) target drones required for Congressionally mandated testing and Air Force developmental and operational testing. Funding also provides for capabilities to extend the life of the full-scale aerial target which supports the requirement for threat-representative presentations.

**FY 2008 Program Justification**

FY08 funds continue procurement of full-scale and subscale aerial targets required for development and operational testing requirements. Procurement funds are for full-scale (16 QF-4) and subscale (50 AFSAT) aerial targets for the Advanced Intercept Missile (AIM) programs (AIM-120, AIM-9 and AIM-7), for the F-22A and F-35 aircraft test programs, and for Operational Flight Program (OFP) F-16/F-15 aircraft upgrades.

**FY 2009 Program Justification**

FY09 funds continue procurement of full-scale and subscale aerial targets required for development and operational testing requirements. Procurement funds are for full-scale (17 QF-4) and subscale (42 AFSAT) aerial targets for the Advanced Intercept Missile (AIM) programs (AIM-120, AIM-9 and AIM-7), for the F-22A and F-35 aircraft test programs, and for Operational Flight Program (OFP) F-16/F-15 aircraft upgrades.

Exhibit P-5, Weapon System Cost Analysis										Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number										P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17										Target Drones			
Manufacturer's Name/Plant City/State Location					Subline Item								
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
QF-4 FULL SCALE AERIAL TARGET FLYAWAY COST	A												
QF-4 Hardware Recurring													
Aircraft Drone Mod & Integration		20	1.172	23.444	17	1.222	20.770	16	1.441	23.052	17	1.463	24.863
F-4 In Plant Repairs		20	0.048	0.956	17	0.050	0.843	16	0.052	0.832	17	0.054	0.918
Edwards AFB Backshop and MILSTRIP Support		20	0.039	0.775	17	0.045	0.765	16	0.048	0.771	17	0.051	0.866
Aircraft Withdrawal/Aerospace Maintenance and Regeneration Center (AMARC)													
Restricted-Unmanned		16	1.002	16.027	12	0.889	10.670	7	1.019	7.130	12	1.067	12.804
Unrestricted - Manned		4	1.310	5.240	5	1.100	5.500	9	1.155	10.395	5	1.210	6.050
TOTAL RECURRING FLYAWAY COST				46.442			38.548			42.180			45.501
Engineering Change Orders/Engineering Change Proposals				0.037			3.000			3.000			3.000
TOTAL NON-RECURRING FLYAWAY COST				0.037			3.000			3.000			3.000
FSAT Program Life Extension				1.539			1.700			1.700			1.870
Productionization of new F-4 Models				1.147									
Data/Tech Manuals				0.379			0.390			0.401			0.413
Special Program Requirements							1.578			1.591			1.706
OTHER PRODUCTION COSTS				3.065			3.668			3.692			3.989
Government Support				3.112			4.203			4.176			4.362
PROGRAM SUPPORT COSTS				3.112			4.203			4.176			4.362
AIR FORCE SUBSCALE AERIAL TARGET													
Production Article		24	0.657	15.780	42	0.566	23.791	50	0.569	28.446	42	0.710	29.838
ECP/ECO				2.859			3.534			0.998			0.706
Data/Tech Manuals/Training				0.063									
Warranty	A												
Airworthiness Certification				0.775			1.500						
Peculiar Support Equipment				4.148									

P-1 Shopping List Item No. 17

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



Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17								Target Drones			
Weapon System					Subline Item						
TD											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
FY06 (FULLSCALE)	20	2.322	SASG/RTK		C	FFP	BAE SYSTEMS, MOJAVE, CA	Feb-06	Aug-07	Yes	
FY07 (FULLSCALE)	12	2.344	SASG/RTK		C	Option	BAE SYSTEMS, MOJAVE, CA	Apr-07	Aug-08	Yes	
FY08 (FULLSCALE)	16	2.636	SASG/RTK		C	Option	BAE SYSTEMS, MOJAVE, CA	Feb-08	Aug-09	Yes	
FY09 (FULLSCALE)	17	2.677	SASG/RTK		C	Option	BAE SYSTEMS, MOJAVE CA	Feb-09	Aug-10	Yes	
FY10 (FULLSCALE)	16	3.009	SASG/RTK		C	FFP	BAE SYSTEMS, MOJAVE CA	Feb-10	Aug-11	Yes	
FY11 (FULLSCALE)	15	3.094	SASG/RTK		C	Option	BAE SYSTEMS, MOJAVE CA	Feb-11	Aug-12	Yes	
FY12 (FULLSCALE)	16	3.160	SASG/RTK		C	Option	BAE SYSTEMS, MOJAVE CA	Feb-12	Aug-13	Yes	
FY06 (SUBSCALE)	24	0.658	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-06	Mar-07	Yes	
FY07 (SUBSCALE)	42	0.572	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-07	Mar-08	Yes	
FY08 (SUBSCALE)	50	0.574	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-08	Mar-09	Yes	
FY09 (SUBSCALE)	42	0.710	SASG/RTK		C	FFP	Composite Engineering Inc., Sacramento CA	Mar-09	Mar-10	Yes	
FY10 (SUBSCALE)	39	0.737	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-10	Mar-11	Yes	
FY11 (SUBSCALE)	39	0.752	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-11	Mar-12	Yes	
FY12 (SUBSCALE)	40	0.760	SASG/RTK		C	Option	Composite Engineering Inc., Sacramento CA	Mar-12	Mar-13	Yes	
<b>Remarks</b>											
P-1 Shopping List Item No. 17						Procurement History and Planning Exhibit P-5A, page 4 of 12					

















<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18</b>								P-1 Line Item Nomenclature <b>C-37</b>				
Program Element for Code B Items:		N/A			Other Related Program Elements:				None			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	0	1				1	1	3			6
Total Proc Cost (\$ M)		0.000	45.167	0.000	0.000	0.000	29.335	25.923	77.594	0.000		178.019

**Description**  
 This line item provides funding to purchase C-37 aircraft. The C-37 is the military variant of the commercial Gulfstream 550 executive jet. C-37s provide executive airlift for senior US government officials including Congress and Combatant Commanders. FY06 funding purchases one C-37 for the VIPSAM fleet at Andrews AFB, MD. FY10-12 funding purchases the five C-37s leased from Gulfstream Aerospace Corporation under FY00 authorizing legislation. Aircraft were leased for 10-year terms, with the lease term beginning with aircraft delivery to the Air Force. Air Force plans to purchase the aircraft at a prenegotiated price as lease terms expire. The leased C-37s support Combatant Commanders.

**FY 2008 Program Justification**  
 No activity planned.

**FY 2009 Program Justification**  
 No activity planned.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18</b>	P-1 Line Item Nomenclature <b>C-37</b>

Manufacturer's Name/Plant City/State Location Gulfstream Aerospace, Savannah, GA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft Purchase	A	1	45.167	45.167									
<b>TOTAL PROGRAM</b>				45.167									

Comments  
None

<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18</b>	P-1 Line Item Nomenclature <b>C-37</b>

<b><u>Weapon System</u></b>				<b>Subline Item</b>								
C-37A												
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?	
C-37 Aircraft	1	45.167	WPAFB, OH	Mar-06	C	FFP	Gulfstream Aerospace, Savannah, GA	Mar-06	Mar-08	Yes		

**Remarks**  
None



Exhibit P-40, Budget Item Justification							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19							GLOBAL HAWK					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	14	5	5	5	5	5	5	5	5	TBD	TBD
Cost (\$ M)		776.062	295.442	397.300	514.005	661.112	468.949	482.926	506.835	484.472	TBD	TBD
Advance Proc Cost (\$ M)		202.034	64.121	50.717	63.841	53.832	54.949	59.700	62.100		TBD	TBD
Weapon System Cost (\$ M)		978.096	359.563	448.017	577.846	714.944	523.898	542.626	568.935	484.472	TBD	TBD
Initial Spares (\$ M)		0.000									0.000	0.000
Total Proc Cost (\$ M)		978.096	359.563	448.017	577.846	714.944	523.898	542.626	568.935	484.472	TBD	TBD
Flyaway Unit Cost (\$ M)		58.002	61.690	84.265	86.854	101.342	80.930	82.566	98.903	101.452	TBD	TBD
Wpn Sys Unit Cost (\$ M)		68.384	71.913	98.638	114.026	141.384	103.764	107.474	112.925	98.308	TBD	TBD

**Description**

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

This funding is procuring the highly capable Global Hawk System, which is comprised of aircraft, payload, ground segment, and support segment. The aircraft is fully autonomous, high altitude, long endurance remotely piloted aircraft (RPA). The RQ-4A is an imagery-intelligence (IMINT) RPA esigned to employ 2000 pounds of payload. The RQ-4A has one configuration known as the Block 10. The Block 10 employs an IMINT system comprised of a synthetic aperture radar (SAR) sensor and an electro-optical (EO) / infrared (IR) sensor. These three sensors are called the integrated sensor suite (ISS). The RQ-4B RPA is designed to employ 3000 pounds of payload and enable multi-intelligence (Multi-INT) collecting. The RQ-4B has three configurations: Block 20, Block 30, and Block 40. The Block 20 will employ an upgraded SAR and EO/IR sensors known as the enhanced ISS (EISS) in an IMINT only configuration. The Block 30 will employ the same EISS sensors as the Block 20 and will also integrate a modern, wide-spectrum SIGINT sensor suite capability simultaneously to be used as a multi-INT platform. The Block 40 will integrate the multi-platform radar technology insertion program (MP-RTIP) radar sensor, and currently plans to only carry the MP-RTIP sensor. The user will ultimately determine the optimal quantities and payloads for each aircraft configuration based on operational requirements. The ground station (GS) includes the mission control element (MCE) and the launch and recovery element (LRE). The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable the Global Hawk System.

The Global Hawk program went through a Title 10, Section 2433 review in 2006, due to unit cost breaches (informally known as Nunn-McCurdy). The Department certified the program to Congress on June 5th, 2006. As a result of the review, the Department directed a program restructure to slow development, cap the low rate initial production (LRIP) at 5 per year, and reduce risk. LRIP will remain at 5 per year until successful completion of the initial operational test and evaluation (IOT&E).

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 includes initial spares and support equipment in production contracts as part of the Contractor Supported Weapon System (CSWS).

Throughout the FYDP, the program will continue spiral development to enhance the system to meet requirements as documented in updates to the Capability Development Document (CDD). During this time, the user will determine the optimal payload configuration and quantity for each aircraft based on current operational requirements. To accommodate the concurrent development and production strategy, one of the aircraft procured in FY04 will initially be used for flight characterization test activity of the Block 20 configuration. In addition, one of the aircraft procured in FY05 and one aircraft procured in FY06 will be used initially for advanced payloads testing, for Blocks 30 and 40, respectively.

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19</b>	P-1 Line Item Nomenclature <b>GLOBAL HAWK</b>
<p><b><u>FY 2008 Program Justification</u></b></p> <p>A Department in-progress review (IPR) will be conducted by Mar 2008 to determine if the Global Hawk program has progressed sufficiently to warrant continued LRIP. If the Department determines sufficient progress has been made, the Global Hawk program will contract for Lot 7 production and Lot 8 advanced procurement. Procurement funding in 2008 includes five Global Hawk RQ-4B aircraft, appropriate payloads for each Block configurations, one Ground Segment, integrated logistics support (to include initial spares, support equipment, technical data, etc.), other support requirements (training devices, etc.), acceptance testing, program management support and related tasks. Advanced procurement funding in 2008 is for five Global Hawk RQ-4B aircraft, sensors, two ground segments, and associated support systems.</p> <p><b><u>FY 2009 Program Justification</u></b></p> <p>A Department in-progress review (IPR) will be conducted by Mar 2009 to determine if the Global Hawk program has progressed sufficiently to warrant continued LRIP. Current funding requests do not plan to accelerate, and has sufficient funding for Lot 8 production and Lot 9 advanced procurement. Lot 8 includes five Global Hawk RQ-4B aircraft, appropriate payloads for each Block configuration, two Ground Segments, integrated logistics support (to include initial spares, support equipment, technical data, etc.), other support requirements (training devices, etc.), acceptance testing, program management support and related tasks. Advanced procurement funding in 2009 is for Lot 10, five Global Hawk RQ-4B aircraft, appropriate sensors, and associated support systems.</p>	
P-1 Shopping List Item No. 19	<b>Budget Item Justification Exhibit P-40, page 2 of 26</b>

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19</b>	P-1 Line Item Nomenclature <b>GLOBAL HAWK</b>

Manufacturer's Name/Plant City/State Location NGIS, Palmdale, CA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft (RQ-4A/RQ-4B) (1)	A	5	57.850	289.252	5	65.814	329.069	5	80.788	403.941	5	92.795	463.974
Common Ground Station	A	1	19.200	19.200	3	20.090	60.269	1	24.859	24.859	2	25.380	50.759
Infrastructure Support (2)	A			6.900			72.083			135.922			210.220
Interim Contractor Support	A			40.300									
	A												
	A												
Adv Procurement - Credit	A			64.121			50.717			63.841			53.832
Adv Procurement - Debit	A			-60.210			-64.121			-50.717			-63.841
<b>TOTAL PROGRAM</b>				359.563			448.017			577.846			714.944

Comments

(1) Average unit cost includes aircraft (which includes associated sensors), system engineering and program management, tooling, acceptance test, etc.

(2) Infrastructure Support includes Integrated Logistics Support, program management support, ASIP Sustainment and Depot Activation.

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Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19								GLOBAL HAWK			
Weapon System					Subline Item						
HAEUAV											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
FY 2001											
Long lead for 2 Global Hawk Aircraft and 1 MCE (FY02)	2		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jun-01	Sep-03	Yes	
FY 2002											
3 Global Hawk Aircraft and 1 MCE	3	52.544	303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jan-02	Sep-03	Yes	
Long lead for 3 Global Hawk Aircraft and 1 LRE	3		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jul-02	Sep-04	No	N/A
FY 2003											
3 Global Hawk Aircraft and 1 LRE	3	79.135	303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jan-03	Sep-04	No	N/A
Long lead for 4 Global Hawk Aircraft, and 1 GS (FY04)	4		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jun-03	Feb-06	No	N/A
FY 2004											
4 Global Hawk Aircraft, and 1 GS	4	46.689	303 AESG/PK		SS	FFP	Northrop Grumman, Rancho Bernardo, CA	Mar-04	Feb-06	No	N/A
Long lead for 4 Global Hawk Aircraft and 1 GS (FY05)	4		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Mar-04	Oct-07	No	N/A
FY 2005											
4 Global Hawk Aircraft and 1 GS	4	68.703	303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Jul-05	Oct-07	No	N/A
Long lead for 5 Global Hawk Aircraft and 1 GS (FY06)	5		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	Aug-05	Feb-08	No	N/A
FY 2006											
5 Global Hawk Aircraft and 1 GS	5	77.050	303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	May-06	Feb-08	No	N/A
Long Lead for 5 Global Hawk Aircraft and 3 GS	5		303 AESG/PK		SS	FPI	Northrop Grumman, Rancho Bernardo, CA	May-06	Apr-09	No	N/A

P-1 Shopping List Item No. 19

Procurement History and Planning  
Exhibit P-5A, page 4 of 26

<b>Exhibit P-5A, Procurement History and Planning</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19</b>	P-1 Line Item Nomenclature <b>GLOBAL HAWK</b>
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<u>Weapon System</u>					Subline Item							
HAEUAV												
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?	
(FY07)												
FY 2007												
5 Global Hawk Aircraft and 3 GS	5	92.301	303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Apr-07	Apr-09	No	N/A	
Long lead for 5 Global Hawk Aircraft and 1 GS (FY08)	5		303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Apr-07	Feb-10	No	N/A	
FY 2008												
5 Global Hawk Aircraft and 1 GS	5	106.741	303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Mar-08	Feb-10	No	N/A	
Long lead for 5 Global Hawk aircraft and 2 GS (FY09)	5		303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Mar-08	Feb-11	No	N/A	
FY 2009												
5 Global Hawk Aircraft and 2 GS	5	116.570	303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Mar-09	Feb-11	No	N/A	
Long lead for 5 Global Hawk aircraft	5		303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	Mar-09	Feb-12	No	N/A	

**Remarks**

Unit cost figures are the sum of the unit cost figures for aircraft and ground station from the P-5. Unit cost figures on these pages (P-5A) cannot be multiplied by the quantities which represent only the aircraft.

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Exhibit P-21, Production Schedule Date: February 2007

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature  
**Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19** **GLOBAL HAWK**

PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	FISCAL YEAR 2006												FISCAL YEAR 2007												L A T E R
					2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2002	USAF	2	2	0																							0		
2003	USAF	4	3	1							1																	0	
2004	USAF	4	0	4										1											1	1		0	
2005	USAF	4	0	4																								4	
2006	USAF	5	0	5																								5	
2007	USAF	5	0	5																								5	
2008	USAF	5	0	5																								5	
2009	USAF	5	0	5																								5	
2010	USAF	5	0	5																								5	
2011	USAF	5	0	5																								5	
2012	USAF	5	0	5																								5	
2013	USAF	5	0	5																								5	
<b>TOTAL</b>		<b>54</b>	<b>5</b>	<b>49</b>										<b>1</b>												<b>1</b>	<b>1</b>	<b>44</b>	

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT	INITIAL REORDER
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		PRIOR 1 OCT	AFTER 1 OCT			
Global Hawk / Northrop Grumman	Rancho Bernardo, CA	4	1-8-5	2							

REMARKS  
 Deliveries for the 2006 procurement year and prior are based off of negotiated contracts. All deliveries for the 2007 procurement year and beyond are considered "projected" and subject to change based on the needs of the Air Force. For example, production rate increases can result from increases in the number of shifts and/or shift hours

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<b>Exhibit P-21, Production Schedule</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 19</b>	P-1 Line Item Nomenclature <b>GLOBAL HAWK</b>
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PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2007	BALANCE DUE AS OF 1 OCT 2007	FISCAL YEAR 2008												FISCAL YEAR 2009												L A T E R
					2007			CALENDAR YEAR 2008									CALENDAR YEAR 2009												
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
2004	USAF	1	1	0																								0	
2005	USAF	1	1	0																									0
2006	USAF	1	0	1										1															0
2007	USAF	3	0	3																							1		1
2008	USAF	1	0	1																									1
2009	USAF	2	0	2																									2
<b>TOTAL</b>		<b>9</b>	<b>2</b>	<b>7</b>										1													1		<b>4</b>

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		INITIAL			
					PRIOR 1 OCT	AFTER 1 OCT				
GS/Northrop Grumman	Rancho Bernardo, CA	1	1-8-5	2						
					2	2	25	27		
					2	2	25	27		

REMARKS  
These production rates are for the complete ground Segment and are separate from the aircraft production rates.

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Exhibit P-40, Budget Item Justification							Date: February 2007					
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. 20							GLOBAL HAWK Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Advance Proc Cost (\$ M)		202.034	64.121	50.717	63.841	53.832	54.949	59.700	62.100		TBD	TBD
Weapon System Cost (\$ M)		202.034	64.121	50.717	63.841	53.832	54.949	59.700	62.100	0.000	TBD	TBD
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		202.034	64.121	50.717	63.841	53.832	54.949	59.700	62.100	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)												

**Description**

The Global Hawk System provides high altitude, deep look, long endurance intelligence, surveillance, and reconnaissance (ISR) capability that compliments space and other airborne collectors during peacetime, crisis, and war-fighting scenarios.

This funding is procuring the highly capable Global Hawk System, which is comprised of aircraft, payloads, ground segment, and support segment. The aircraft is fully autonomous, high altitude, long endurance remotely piloted aircraft (RPA). The RQ-4A is an imagery-intelligence (IMINT) RPA designed to employ 2000 pounds of payload. The RQ-4A has one configuration known as the Block 10. The Block 10 employs an IMINT system comprised of a synthetic aperture radar (SAR) sensor and an electro-optical (EO) / infrared (IR) sensor. These three sensors are called the integrated sensor suite (ISS). The RQ-4B RPA is designed to employ 3000 pounds of payload and enable multi-intelligence (multi-INT) collecting. The RQ-4B has three configurations: Block 20, Block 30, and Block 40. The Block 20 will employ upgraded SAR and EO/IR sensors known as the enhanced ISS (EISS) in an IMINT only configuration. The Block 30 will employ the same EISS sensors as the Block 20 and will also integrate a wide spectrum SIGINT sensor suite simultaneously to be used as a multi-INT platform. The Block 40 will integrate the multi-platform radar technology insertion program (MP-RTIP) radar sensor, and currently plans to only carry the MP-RTIP sensor. The user will ultimately determine the optimal quantities and payloads for each aircraft configuration based on operational requirements. The ground station (GS) includes the mission control element (MCE) and the launch and recovery element (LRE). The support segment includes aerospace ground equipment, tech orders, spares, support equipment, and training to enable the Global Hawk System.

The Global Hawk program went through a Title 10, Section 2433 review in 2006, due to unit cost breaches (informally known as Nunn-McCurdy). The Department certified the program to Congress on June 5th, 2006. As a result of the review, the Department directed a program restructure to slow development, cap the low rate initial production (LRIP) at 5 per year, and reduce risk. LRIP will remain at 5 per year until successful completion of the initial operational test and evaluation (IOT&E).

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 includes initial spares and support equipment in production contracts as part of the Contractor Supported Weapon System (CSWS).

Throughout the FYDP, the program will continue spiral development to enhance the system to meet requirements as documented in updates to the Capability Development Document (CDD). During this time, the user will determine the optimal payload configuration and quantity for each aircraft based on current operational requirements. To accommodate the concurrent development and production strategy, one of the aircraft procured in FY04 will initially be used for flight characterization test activity of the Block 20 configuration. In addition, one of the aircraft procured in FY05 and one aircraft procured in FY06 will be used initially for advanced payloads testing, for Blocks 30 and 40, respectively.

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20</b>	P-1 Line Item Nomenclature <b>GLOBAL HAWK Advance Procurement</b>
<p><b><u>FY 2008 Program Justification</u></b>  In FY08 advance procurement will procure aircraft and ground segment produced beginning in FY09 and delivered beginning in FY11. The advance procurement includes five Global Hawk RQ-4B aircraft (with optimal payload configurations and quantity as determined by the user), two Ground Segment, associated support systems, and associated support systems.</p> <p><b><u>FY 2009 Program Justification</u></b>  In FY09 advance procurement will procure aircraft produced beginning in FY10 and delivered beginning in FY12. The advance procurement includes five Global Hawk RQ-4B aircraft (with optimal payload configurations and quantity as determined by the user), associated support systems, and associated support systems.</p>	
P-1 Shopping List Item No. 20	<b>Budget Item Justification Exhibit P-40, page 2 of 4</b>



<b>Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)</b>											Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20</b>											P-1 Line Item Nomenclature <b>GLOBAL HAWK Advance Procurement</b>				
Weapon System HAE_AP															
(TOA, \$ in Millions)															
Description	PLT	QPA	Unit Cost	2006 QTY	2006	2006	2007 QTY	2007	2007	2008 QTY	2008	2008	2009 QTY	2009	2009
					Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request		Contract Forecast Date	Total Cost Request
End Item				5	May-06	295.442	5	Mar-07	397.300	5	Mar-08	514.005	5	Mar-09	661.100
CFE															
Aircraft lead items			10.457	5		52.283	5		40.859	5		38.943	5		36.822
GS Lead Items			3.946	3		11.838	1		4.032	2		8.237			
GFE									5.826			16.661			17.010
EOQ															
Design	N/A					N/A			N/A			N/A			N/A
Term Liability	N/A					N/A			N/A			N/A			N/A
TOTAL AP						64.121			50.717			63.841			53.832
<b>Description</b>															
P-1 Shopping List Item No. 20											Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Exhibit P-10 p.2, page 4 of 4				

<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22</b>								P-1 Line Item Nomenclature <b>MQ-9</b>				
Program Element for Code B Items:		0205219F			Other Related Program Elements:				0305219F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A				4	9	11	11	8	8		51
Total Proc Cost (\$ M)			0.000	0.000	58.470	162.055	196.083	193.115	147.498	150.431		907.652

**Description**

Note: Prior to FY08 MQ-9 was in PE 0305219F.

Reaper procurement includes all components of the MQ-9 weapon system. The basic MQ-9 system consists of the aircraft, a control station, communications equipment, support equipment, simulator and training devices, readiness spares packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs.

The MQ-9 Reaper aircraft is a single-engine, turbo-prop remotely piloted aircraft designed to operate over-the-horizon at medium-to-high altitude for long endurance sorties. The aircraft is being designed primarily to prosecute critical emerging Time Sensitive Targets (TSTs) as a radar-based attack asset with on-board hard-kill capability (hunter-killer) and also perform Intelligence, Surveillance, Reconnaissance and Target Acquisition (ISR TA) as a secondary role. In the hunter-killer role, the aircraft will employ fused multi-spectral sensors to automatically find, fix, and track ground targets (Automatic Target Cueing (ATC), Target Location Accuracy (TLA), Metric Sensor and other capabilities) and assess post-strike results. The MQ-9 will also explore and if appropriate develop and integrate Signals Intelligence (SIGINT) sensors capabilities. The MQ-9 is in continuing development and will field capability through incremental upgrades. The baseline development includes both a risk reduction phase, FY04 & FY05 Quick Reaction/ Interim Combat Capabilities (ICC), and a System Development & Demonstration (SDD) phase. Risk reduction started in FY03 and includes system design, drawings, specifications, and initial standardized (MIL-STD-1760) advanced weapons data bus efforts. The SDD effort began in FY05 and includes developing and testing the MQ-9's baseline capability and preliminary technical orders. Capabilities in development include increasing the aircraft's gross take-off weight; enhancing aircraft systems to include integrated redundant avionics, ice detection capability, navigation system upgrades, electrical system upgrades, sensor/stores management computer, MIL-STD-1760 advanced weapons data bus, advanced sensor and weapons payloads, and improved human-machine interface; integrating standard "precision" weapons (GBU-12/38/49); hardware and software upgrades to the ground control station (GCS) for MQ-9 operations; completing airworthiness certification; weapons system certification and accreditation; and producing applicable training devices that emulate aircraft capabilities. Subsequent investments will continue to evolve the MQ-9's capabilities to meet new requirements (which may include SIGINT, communications, and other sensor packages), and address reliability and maintainability and safety issues.

The Ground Control Station (GCS) functions as the aircraft cockpit and can control the aircraft either within line-of-sight (LOS) or beyond LOS (BLOS) via a combination of satellite relay and terrestrial communications. The GCS is either mobile to support forward operating locations or fixed at a facility to support Remote Split Operations (RSO). The GCS has the capability to perform mission planning; provide a means for manual and/or autonomous control and a GCS configuration to allow control of multiple aircraft and payloads; allow personnel to launch, recover, and monitor aircraft, payloads, and system communications status; secure data links to receive payload sensor data and command links; monitor threats to the aircraft; display common operational picture; and provide support functions. Additionally, a Launch and Recover GCS (LRGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS will continue to evolve and upgrade its capabilities to keep pace with MQ-9 aircraft capabilities and the missions they perform.

MQ-9s are procured sole-source with General Atomics-Aeronautical Systems Inc. (GA-ASI) as the prime contractor (development, production, integration, depot).

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22</b>	P-1 Line Item Nomenclature <b>MQ-9</b>
<p><b><u>FY 2008 Program Justification</u></b> Procurement funding includes MQ-9 Reaper aircraft, sensors and weapons kits, mobile and fixed Ground Control Stations (GCS), Launch and Recovery GCS, Ground Communication Systems, simulators &amp; training devices, production support, Ground Data Terminals (GDT), initial spares, Readiness Spares Packages (RSP), support equipment, and initial technical data/training.</p> <p><b><u>FY 2009 Program Justification</u></b> Procurement funding includes MQ-9 Reaper aircraft, sensors and weapons kits, mobile and fixed Ground Control Stations (GCS), Launch and Recovery GCS, Ground Communication Systems, simulators &amp; training devices, production support, Ground Data Terminals (GDT), initial spares, Readiness Spares Packages (RSP), support equipment, and initial technical data/training.</p>	
P-1 Shopping List Item No. 22	<b>Budget Item Justification Exhibit P-40, page 2 of 7</b>

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22</b>	P-1 Line Item Nomenclature <b>MQ-9</b>

Manufacturer's Name/Plant City/State Location General Atomics ASI/Rancho Bernardo/CA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
MQ-9 Reaper Aircraft (1)	A							4	12.499	49.995	9	11.900	107.098
Production Support (2)	A									8.475			7.605
Ground Control Systems (3)	A												
Communication Systems (4)	A										1		2.231
Initial/Deployment Support Kits(5)	A												35.777
Support Equipment (6)	A												9.344
Training Device/Simulator	A												
<b>TOTAL PROGRAM</b>										58.470			162.055

Comments

(1) MQ-9 total aircraft cost includes MTS sensor, Lynx SAR, and associated GFE.

(2) Production Support includes Other Government Costs (OGC) and program management support for MQ-9, production tooling, and production specific data/drawings.

(3) Quantity for Ground Systems includes mobile and fixed GCSs. Additionally, this line funds other ground systems to include launch and recovery elements.

(4) Quantity for Communication Systems includes Predator Primary Satellite Links (PPSL). Additionally, this line funds other communication equipment.

(5) Deployment support kit unit cost varies base on kit content (i.e. MQ-9 kit includes Lynx SAR).

(6) Integrated Logistics Support includes initial spares, support equipment, technical data/training, and organic repair capability startup for the MTS laser sensor.

Exhibit P-5A, Procurement History and Planning								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22								MQ-9				
Weapon System				Subline Item								
MQ-9												
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?	
FY 2008												
MQ-9/General Atomics ASI	4		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Jun-08	Dec-09	Yes		
FY 2009												
MQ-9/General Atomics ASI	9		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Jun-09	Jul-10	Yes		
PPSL/L-3 Comm	1		658th/PK		SS	FFP	PPSL/L-3 Comm	Feb-09	Mar-10	Yes		
FY 2010												
MQ-9/General Atomics ASI	11		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-10	May-11	Yes		
GCS/General Atomics ASI	5		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-10	Feb-11	Yes		
PPSL/L-3 Comm	2		658th/PK		SS	FFP	PPSL/L-3 Comm	May-10	Feb-11	Yes		
FY 2011												
MQ-9/General Atomics ASI	11		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-11	Jun-12	Yes		
GCS/General Atomics ASI	3		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-11	Feb-12	Yes		
PPSL/L-3 Comm	1		658th/PK		SS	FFP	PPSL/L-3 Comm	Feb-11	Jan-12	Yes		
FY 2012												
MQ-9/General Atomics ASI	8		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-12	Jun-13	Yes		
GCS/General Atomics ASI	2		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-12	Feb-13	Yes		
FY 2013												
MQ-9/General Atomics ASI	8		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-13	Jun-14	Yes		
GCS/General Atomics ASI	2		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-13	Feb-14	Yes		
<b>Remarks</b>												





<b>Exhibit P-21, Production Schedule</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22</b>	P-1 Line Item Nomenclature <b>MQ-9</b>
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PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2013	BALANCE DUE AS OF 1 OCT 2013	FISCAL YEAR 2014												FISCAL YEAR 2015												L A T E R
					2013			CALENDAR YEAR 2014									CALENDAR YEAR 2015												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2012	USAF	8	3	5	1		1	1																			0		
2013	USAF	8	0	8									1	1						1							0		
<b>TOTAL</b>		<b>16</b>	<b>3</b>	<b>13</b>	<b>1</b>		<b>1</b>	<b>1</b>					<b>1</b>	<b>1</b>					<b>1</b>								<b>0</b>		

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME																							
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME					MFG TIME	TOTAL AFTER 1 OCT																	
					PRIOR 1 OCT	AFTER 1 OCT																						
MQ-9	Rancho Bernardo, CA	6	1-8-5	18																								
					INITIAL	6	6																					
					REORDER	1	1																					

REMARKS

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Exhibit P-40, Budget Item Justification								Date: February 2007																																								
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								PREDATOR UAV																																								
Program Element for Code B Items:			0305219F			Other Related Program Elements:			0305205F																																							
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total																																				
Proc Qty	A	102	26	26	24	26	42	26	24	18	TBD	TBD																																				
Total Proc Cost (\$ M)		404.656	253.562	235.027	277.999	287.376	250.941	151.915	134.206	111.132	TBD	TBD																																				
<b>Description</b>																																																
<p>Note: MQ-9 Program will move to PE 0205219F in FY08. Historical MQ-9 accomplishments remain in this document.</p> <p>Predator procurement includes all components of the MQ-1 weapon system and the MQ-9 through FY07. The basic MQ-1 system consists of the aircraft, a control station, communications equipment, support equipment, simulator and training devices, readiness spares packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs.</p> <p>Breakout of aircraft quantities:</p> <table border="1"> <thead> <tr> <th></th> <th>FY06</th> <th>FY07</th> <th>FY08</th> <th>FY09</th> <th>FY10</th> <th>FY11</th> <th>FY12</th> <th>FY13</th> </tr> </thead> <tbody> <tr> <td>MQ-1</td> <td>24</td> <td>24</td> <td>24</td> <td>26</td> <td>42</td> <td>26</td> <td>24</td> <td>18</td> </tr> <tr> <td>MQ-9</td> <td>2</td> <td>2</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Total</td> <td>26</td> <td>26</td> <td>24</td> <td>26</td> <td>42</td> <td>26</td> <td>24</td> <td>18</td> </tr> </tbody> </table> <p>The MQ-1 aircraft is a single-engine, propeller-driven, remotely piloted aircraft (formerly called unmanned aerial vehicle) designed to operate over-the-horizon at medium altitude for long endurance sorties. The aircraft is designed to provide real-time Intelligence, Surveillance, Reconnaissance, and Target Acquisition (ISR TA), and attack roles to aggressively prosecute Time Sensitive Targets (TST). The MQ-1 will operate primarily at medium altitudes, integrating with joint aerospace, ground, and maritime forces as well as coalition and Allied forces, to execute combatant commander priority missions. The aircraft carries a Multi-spectral Targeting System (MTS) (a sensor turret that incorporates electro-optical (EO), Infra-Red (IR), laser designator, and IR illuminator) capable of transmitting real-time motion imagery throughout the operational theater. The program will develop and integrate Target Location Accuracy and Metric Sensor improvements. Additionally the aircraft is multi-configurable to carry either a Synthetic Aperture Radar (SAR) or Hellfire laser-guided missiles. The MQ-1 aircraft will continue to evolve and upgrade its capabilities (which may include signals intelligence (SIGINT), communications, Target Location Accuracy and other sensor packages) to satisfy new requirements and address reliability and maintainability (R&amp;M) and safety issues.</p> <p>The Ground Control Station (GCS) functions as the aircraft cockpit and can control the aircraft either within line-of-sight (LOS) or beyond LOS (BLOS) via a combination of satellite relay and terrestrial communications. The GCS is either mobile to support forward operating locations or fixed at a facility to support Remote Split Operations (RSO). The GCS has the capability to perform mission planning; provide a means for manual and/or autonomous control and a GCS configuration to allow control of multiple aircraft and payloads; allow personnel to launch, recover, and monitor aircraft, payloads, and system communications status; secure data links to receive payload sensor data and command links; monitor threats to the aircraft; display common operational picture; and provide support functions. Additionally, a Launch and Recover GCS (LRGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS will continue to evolve and upgrade its capabilities to keep pace with MQ-9 aircraft capabilities and the missions they perform.</p> <p>MQ-1s are procured sole-source with General Atomics-Aeronautical Systems Inc. (GA-ASI) as the prime contractor (development, production, integration, depot).</p>														FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	MQ-1	24	24	24	26	42	26	24	18	MQ-9	2	2							Total	26	26	24	26	42	26	24	18
	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13																																								
MQ-1	24	24	24	26	42	26	24	18																																								
MQ-9	2	2																																														
Total	26	26	24	26	42	26	24	18																																								
P-1 Shopping List Item No. 21								Budget Item Justification Exhibit P-40, page 1 of 28																																								

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 21</b>	P-1 Line Item Nomenclature <b>PREDATOR UAV</b>
<p><b><u>FY 2008 Program Justification</u></b> Procurement funding includes MQ-1 aircraft, sensors and weapons kits, mobile and fixed Ground Control Stations (GCS), Launch and Recovery Elements (LRE), Launch and Recovery GCS, Ground Communication Systems, simulators &amp; training devices, production support, Ground Data Terminals (GDT), initial spares, Readiness Spares Packages (RSP), support equipment, and initial technical data/training.</p> <p><b><u>FY 2009 Program Justification</u></b> Procurement funding includes MQ-1 aircraft, sensors and weapons kits, mobile and fixed Ground Control Stations (GCS), Launch and Recovery Elements (LRE), Launch and Recovery GCS, Ground Communication Systems, simulators &amp; training devices, production support, Ground Data Terminals (GDT), initial spares, Readiness Spares Packages (RSP), support equipment, and initial technical data/training.</p>	
P-1 Shopping List Item No. 21	<b>Budget Item Justification Exhibit P-40, page 2 of 28</b>

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 21</b>	P-1 Line Item Nomenclature <b>PREDATOR UAV</b>

Manufacturer's Name/Plant City/State Location General Atomics ASI/Rancho Bernardo/CA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
MQ-1 Predator Aircraft (1)	A	24	3.664	87.925	24	4.263	102.307	24	5.561	133.459	26	6.215	161.598
MQ-9 Reaper Aircraft (2)	A	2	15.717	31.433	2	14.611	29.222						
P3I	A												
Production Support (3)	A			6.515			12.586			4.535			9.575
Ground Control Systems (4)	A	2		34.197	4		29.992	12		40.292	7		24.101
Communication Systems (5)	A			3.117	2		10.628	5		10.922	3		11.060
Initial/Deployment Support Kits(6)	A			64.259			28.692			72.254			58.341
Support Equipment (7)	A			15.233			13.774			16.537			22.701
Training Device/Simulator	A			10.883			7.826						
<b>TOTAL PROGRAM</b>				253.562			235.027			277.999			287.376

Comments

(1) Average unit cost includes aircraft with MTS laser sensor and Hellfire capability.

(2) MQ-9 total aircraft cost includes MTS sensor, Lynx SAR, and associated GFE.

(3) Production Support includes Other Government Costs (OGC) and program management support for both MQ-1 and MQ-9, production tooling, and production specific data/drawings.

(4) Quantity for Ground Systems includes mobile and fixed GCSs. Additionally, this line funds other ground systems to include launch and recovery elements.

(5) Quantity for Communication Systems includes Predator Primary Satellite Links (PPSL). Additionally, this line funds other communication equipment.

(6) Deployment support kit unit cost varies based on aircraft type (MQ-1 or MQ-9) and kit content (i.e. MQ-9 kit includes Lynx SAR).

(7) Integrated Logistics Support includes initial spares, support equipment, technical data/training, and organic repair capability startup for the MTS laser sensor.

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
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								PREDATOR UAV			
Weapon System					Subline Item						
PRED											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
FY 2002											
RQ-1/MQ-1/General Atomics ASI	23		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-01	Jan-03	Yes	
MQ-9/General Atomics ASI	6		658th/PK		SS	Other	MQ-9/General Atomics ASI	Oct-01	Dec-01	Yes	
FY 2003											
RQ-1/MQ-1/General Atomics ASI	22		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-02	Jul-04	Yes	
MQ-9/General Atomics ASI	3		658th/PK		SS	FPIF	MQ-9/General Atomics ASI	Jan-04	Jun-05	Yes	
FY 2004											
RQ-1/MQ-1/General Atomics ASI	10		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Jul-04	Sep-05	Yes	
MQ-9/General Atomics ASI	5		658th/PK		SS	FPIF	MQ-9/General Atomics ASI	Aug-04	Oct-06	Yes	
GCS/General Atomics ASI	7		658th/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Mar-04	Aug-05	Yes	
PPSL/L-3 Comm	7		658th/PK		SS	FFP	PPSL/L-3 Comm, Salt Lake City, UT	Dec-03	Sep-04	Yes	
FY 2005											
RQ-1/MQ-1/General Atomics ASI	22		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Nov-04	Feb-06	Yes	
MQ-9/General Atomics ASI	5		658th/PK		SS	FPIF	MQ-9/General Atomics ASI	Oct-05	May-07	Yes	
GCS/General Atomics ASI	7		658th/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Feb-05	Sep-06	Yes	

P-1 Shopping List Item No. 21

Procurement History and Planning  
Exhibit P-5A, page 4 of 28

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
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								PREDATOR UAV			
Weapon System					Subline Item						
PRED											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
PPSL/L-3 Comm	1		658th/PK		SS	FFP	PPSL/L-3 Comm, Salt Lake City, UT	Sep-05	Dec-06	Yes	
FY 2006											
RQ-1/MQ-1/General Atomics ASI	24		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Jul-06	Apr-07	Yes	
MQ-9/General Atomics ASI	2		658th/PK		SS	FPIF	MQ-9/General Atomics ASI	Oct-06	May-08	Yes	
GCS/General Atomics ASI	2		658th/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Feb-06	Sep-07	Yes	
FY 2007											
RQ-1/MQ-1/General Atomics ASI	24		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-07	Apr-08	Yes	
MQ-9/General Atomics ASI	2		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Jun-07	Mar-09	Yes	
GCS/General Atomics ASI	4		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-07	Feb-08	Yes	
PPSL/L-3 Comm	2		658th/PK		SS	FFP	PPSL/L-3 Comm	Feb-07	Feb-08	Yes	
FY 2008											
RQ-1/MQ-1/General Atomics ASI	24		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-08	Apr-09	Yes	
GCS/General Atomics ASI	12		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-08	Feb-09	Yes	
PPSL/L-3 Comm	5		658th/PK		SS	FFP	PPSL/L-3 Comm	May-08	Feb-09	Yes	
FY 2009											
RQ-1/MQ-1/General Atomics ASI	26		658th/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-09	Apr-10	Yes	
GCS/General Atomics ASI	7		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-09	Feb-10	Yes	
PPSL/L-3 Comm	3		658th/PK		SS	FFP	PPSL/L-3 Comm	Feb-09	Feb-10	Yes	
FY 2010											















Exhibit P-21, Production Schedule Date: February 2007

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** **PREDATOR UAV**

PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	FISCAL YEAR 2006												FISCAL YEAR 2007												L A T E R
					2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007												
					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	
2004	USAF	10	2	8	1	2	2	2	1																		0		
2005	USAF	22	0	22					1	2	2	2	2	2	1	2	1	2	1	2							0		
2006	USAF	24	0	24																	2	2	2	2	2	2	12		
2007	USAF	24	0	24																						24			
2008	USAF	24	0	24																						24			
2009	USAF	26	0	26																						26			
2010	USAF	42	0	42																						42			
2011	USAF	26	0	26																						26			
2012	USAF	24	0	24																						24			
2013	USAF	18	0	18																						18			
<b>TOTAL</b>		<b>240</b>	<b>2</b>	<b>238</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>2</b>	<b>196</b>			

					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
					PRODUCTION RATES			PROCUREMENT LEAD TIME																				
ITEM/MANUFACTURER'S NAME		LOCATION		MIN SUST	SHIFT HOURS	MA X				ADMIN LEAD TIME			MFG TIME		TOTAL AFTER 1 OCT													
RQ-1/MQ-1/General Atomics ASI		Rancho Bernardo, CA		7	1-8-5	48				PRIOR 1 OCT		AFTER 1 OCT																
					INITIAL			6		6		14		20														
REMARKS					REORDER			1		1		14		15														











Exhibit P-21, Production Schedule Date: February 2007

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** **PREDATOR UAV**

PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	FISCAL YEAR 2006												FISCAL YEAR 2007												L A T E R
					2005					CALENDAR YEAR 2006							CALENDAR YEAR 2007												
					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	
2004	USAF	7	2	5		1	1		1	1		1															0		
2005	USAF	7	0	7											1		1		1	1		1			1	1	0		
2006	USAF	2	0	2																						1	1		
2007	USAF	4	0	4																							4		
2008	USAF	12	0	12																							12		
2009	USAF	7	0	7																							7		
2010	USAF	0	0	0																							0		
2011	USAF	0	0	0																							0		
2012	USAF	0	0	0																							0		
<b>TOTAL</b>		<b>39</b>	<b>2</b>	<b>37</b>		<b>1</b>	<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>			<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>		<b>1</b>		<b>1</b>	<b>1</b>	<b>1</b>	<b>24</b>		

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		INITIAL	REORDER		
GCS/General Atomics ASI	Rancho Bernardo, CA	0	1-8-5	12	PRIOR 1 OCT	AFTER 1 OCT			INITIAL	REORDER
					6	6	14	20		
					1	1	14	15		

REMARKS  
 Quantities include both deployable and fixed-site Ground Control Stations (GCS).

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**FY 2008/2009 BUDGET ESTIMATES**

**BUDGET ACTIVITY 06 – AIRCRAFT SPARES AND REPAIR PARTS**

**FEBRUARY 2007**

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<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63</b>	P-1 Line Item Nomenclature <b>Aircraft Initial Spares</b>

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			183.152	239.632	267.386	321.332	356.250	491.813	623.922	659.968	N/A	N/A

**Description**

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

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

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

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

**FY 2008 Program Justification**

The major program drivers in FY08 from a budget standpoint are CV-22 Osprey by a wide margin, coming in at about a third of it is the Joint Strike Fighter (F-35), Manned Reconnaissance System, and the F-16 Squadron. Making its first appearance in Initial Spares in FY08 is the F-22A Squadrons,

**FY 2009 Program Justification**

In FY09 the F-35 program begins its budget ramp up and is the biggest Initial Spares program, followed by the CV-22, Manned Reconnaissance System, and C-130 Airlift Squadrons.

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Exhibit P-18A, Initial Spare Funding Summary				Date: February 2007	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63</b>			P-1 Line Item Nomenclature <b>Aircraft Initial Spares</b>		
Initial Spare Funding Summary	<u>Initial Spare Funding Summary</u>				
<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
1	B-52 Squadrons	3.150	1.532	7.364	0.064
2	B-1B Squadrons	3.476	5.332	7.913	3.221
3	B-2 Squadrons	6.544	2.083	4.676	1.063
4	F-15A/B/C/D Squadrons	6.742	2.731	0.584	1.592
5	A-10 Squadrons	0.268	0.234	3.360	0.329
6	F-16 Squadrons	32.962	12.422	16.742	16.999
7	F-15E Squadrons	7.447	4.313	1.671	1.279
8	F-22A Squadrons	0.000	0.000	5.475	7.483
9	Joint Strike Fighter Squadrons (F-35)	0.000	77.011	40.007	109.696
10	Low Observables Test Equipment (CLOVER)	0.000	0.768	0.000	0.000
11	Combat Rescue and Recovery (HH-60G)	1.192	1.200	1.086	0.755
12	Precision Attack Systems (Other)	1.755	2.140	1.960	3.347
13	COMPASS CALL	14.036	11.333	15.370	15.929
14	Airborne Warning and Control System (AWACS)	7.002	5.832	7.800	8.071
15	Combat Training Range Equipment	1.409	1.168	1.592	1.639
16	JOINT STARS (E-8C)	0.584	0.895	1.329	1.440
17	Full Combat Mission Training	0.000	0.000	8.612	2.486
18	Combat Development	0.121	0.100	0.133	0.137
19	E-4B National Airborne Operations Center (NAOC)	4.330	0.118	0.653	2.421
20	MILSATCOM Terminals (Other)	0.591	0.766	0.000	0.000
21	Aerial Targets (Target Drones)	0.471	0.384	0.509	0.524
22	Manned Reconnaissance System (RC-135S)	37.191	33.700	32.062	46.211
23	C-130 Airlift Squadrons	15.568	19.459	0.000	23.861
24	KC-135S	2.869	12.810	12.505	18.455
25	VC-25A (Operational Support Airlift)	0.485	0.406	0.540	0.555
26	CV-22 Osprey	34.887	28.352	81.672	52.862
27	Special Operations Forces	0.000	14.486	13.691	0.829
28	C-130 Tactical Alft Sqdns (ANG)	0.004	0.003	0.004	0.004
29	Undergraduate Navigator / NFO TNG (UNT)	0.050	0.043	0.057	0.059
30	EURO-NATO Joint Jet Pilot Training	0.018	0.011	0.019	0.021
	<b>TOTAL INITIAL SPARES</b>	<b>183.152</b>	<b>239.632</b>	<b>267.386</b>	<b>321.332</b>

P-1 Shopping List Item No. 63

Initial Spare Funding Summary  
Exhibit P-18A, page 1 of 4

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<b>Exhibit P-18A, Initial Spare Funding</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63</b>	P-1 Line Item Nomenclature <b>Aircraft Initial Spares</b>

<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY 2006</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
	WCF SPARES	83.596	67.548	117.386	132.634
	EXEMPT SPARES	99.556	172.084	150.000	188.698
	TOTAL INITIAL SPARES	183.152	239.632	267.386	321.332

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**FY 2008/2009 BUDGET ESTIMATES**

**BUDGET ACTIVITY 07 – AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES**

**FEBRUARY 2007**

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**FY 2008/2009 BUDGET ESTIMATES**

**BP 12 – APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)**

**FEBRUARY 2007**

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$121,969	\$101,650	\$111,136	\$107,266	\$115,446	\$109,356	\$111,936	\$79,677
<p><b>Description:</b></p> <p>1. This program provides funding for the procurement of replacement organizational and intermediate level support equipment for out-of-production aircraft. These items, common (used on more than one weapon system) and peculiar (unique to one weapon system), directly support aircraft maintenance and servicing requirements. These replacement requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system. Items requiring replacement typically range in age from 10 to 35 years old. As a result, this equipment suffers frequent failures, is uneconomical to repair, and requires spare parts that are no longer available. Many items have become technologically obsolete or must be replaced due to environmental operating constraints. Items of equipment budgeted within this program include: avionics test stations, air conditioners, munitions handling equipment, electronic test sets, maintenance platforms, and automatic test systems. These items support multiple Air Force weapon systems. Failure to procure these items will negatively affect mission capable rates, increase maintenance costs, and increase sortie turn times.</p> <p>2. Items requested in FY08 are identified on the following P-40A and are representative of items being procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 1		Page 1 of 1			

# UNCLASSIFIED

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

DATE: FEBRUARY 2007

**APPROP CODE/BA:**

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

**P-1 NOMENCLATURE:**

AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)									
ENPENNAGE STAND	A			2	\$11,366	2	\$11,968	2	\$12,578
C-5 ISOCHRONIC MAINTENANCE PLATFORM	A					1	\$14,772	1	\$9,972
COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT	A	201	\$15,135		\$2,452		\$348		\$354
TRUCK MOUNTED DEICER	A	28	\$8,400	44	\$13,896				
BRAT PROGRAM	A	2	\$13,624		\$5,485				
T198B - STORES MGMT TEST SET	A	22	\$6,041	12	\$3,703				
ELECTRONIC SYSTEM TEST STATION	A		\$9,147						
RACKMOUNT IMPROVED AVIONICS INTERMEDIATE SHOP TEST STATION	A	1	\$6,686						
T197C - STORES MGMT TEST SET	A	14	\$5,420						
ITEMS LESS THAN 5 MILLION DOLLARS	A		\$10,908		\$27,202		\$23,391		\$33,621
AUTOMATIC TEST SYSTEM (ATS)									
ADVANCED DIGITAL TEST STATION	A	7	\$33,919	1	\$16,165		\$19,163		\$18,484

**P-1 ITEM NO**  
64

**PAGE NO:**  
7 - 2

Page 1 of 2

# UNCLASSIFIED

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

**DATE:** FEBRUARY 2007

**APPROP CODE/BA:**

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

**P-1 NOMENCLATURE:**

AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FLIGHT CONTROL TEST SET (FLCTS)	A			10	\$2,938	17	\$5,011	24	\$7,008
STORES SYSTEM TESTER (SST) - INTERMEDIATE LEVEL	A	11	\$3,321	14	\$5,505	33	\$13,087	20	\$9,225
STORES SYSTEM TESTER (SST) - ORGANIZATION LEVEL	A	26	\$6,524	25	\$7,044	50	\$14,325	50	\$16,024
USM-464 COUNTERMEASURES TEST SET (CTS)	A	7	\$2,844			14	\$7,350		
USM 670 CORE TEST SET (CTS)	A			14	\$5,895	4	\$1,721		
<b>TOTALS:</b>		319	\$121,970	122	\$101,650	121	\$111,136	97	\$107,266

**Remarks:**

Cost information is in thousands of dollars.

**P-1 ITEM NO**  
64

**PAGE NO:**  
7 - 3

Page 2 of 2

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> EMPENNAGE MAINT STAND				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$0	\$11,366	\$11,968	\$12,578	\$0	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The C-5 Empennage Stand is a self-propelled unit used to work on the tail section of the C-5 aircraft. The Stand is 71' 9" tall and 76' 8" wide. It is designed to provide access to all inspection points enabling removal, installation, and inspection of all empennage accessories and flight controls. Existing stands require replacement due to their non-compliance with the latest Occupational Safety and Health Administration (OSHA) standards as well as electrical and structural degradation. The replacement stand will bring the Air Force into compliance with OSHA standards.</p> <p>2. This equipment is urgently required to replace the 30-year-old tail stands located at five Air Force bases. The tail stands currently in use were built prior to current OSHA standards and are seriously deteriorated resulting in electrical problems, extensive corrosion, and potential structural hazards. These hazards compromise the ability to effectively and safely maintain a quarter of the nation's strategic airlift platforms. The amount of maintenance performed per aircraft, the number of aircraft assigned to each base, the heavy C-5 transit flow, the severity of the weather, and harsh environmental conditions have exacerbated overall deterioration of empennage stands. Safety hazards increase with each passing year. In order to keep the stands functional, each base implements workaround safety guidelines for areas of the stands that have corrosion and lack of fall protection. Ultimately, these stands will increase the readiness posture of C-5 strategic airlift capability.</p> <p>3. Items requested in FY08 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 4			Page 1 of 1		

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)</b>	DATE: FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> EMPENNAGE MAINT STAND
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MAINTENANCE PLATFORM, C5 EMPENNAGE	A			2	\$11,366	2	\$11,968	2	\$12,578
TOTALS:				2	\$11,366	2	\$11,968	2	\$12,578

**Remarks:**  
Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 5	Page 1 of 1
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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> EMPENNAGE MAINT STAND
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ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MAINTENANCE PLATFORM, C5 EMPENNAGE(1)									
FY2007	2	\$5,683,000	AFMC/WR-ALC	OPT/FFP	KERN STEEL FABRICATION INC (KSF)/ BAKERSFIELD, CA	Mar-07	Dec-07	Yes	
FY2008	2	\$5,984,000	AFMC/WR-ALC	OPT/FFP	KERN STEEL FABRICATION INC (KSF)/ BAKERSFIELD, CA	Nov-07	Aug-08	Yes	
FY2009	2	\$6,289,000	AFMC/WR-ALC	OPT/FFP	KERN STEEL FABRICATION INC (KSF)/ BAKERSFIELD, CA	Nov-08	Aug-09	Yes	

**Remarks:**  
 Cost information is in actual dollars.

(1) Contract number FA8518-05-C-0011 was awarded 22 Aug 2005 with 4 year options. Expires 22 Aug 2010.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 6	Page 1 of 1
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> C-5 ISOCHRONAL MAINTENANCE STAND				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$0	\$0	\$14,772	\$9,972	\$0	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The C-5 Isochronal Maintenance Stand is designed to provide access to all engine, fuselage and wing maintenance areas and inspection doors of the C-5 aircraft. This equipment consists of 40 mobile platforms, 16 portable step stands, a tow bar for use in towing large stands, four pylon ladders and eight deck pullout tools. With the upgrades of the C-5B models the new stands will have to support both the new GE CF6 80C2 engine as well as the TF39 engine.</p> <p>2. The existing platforms are utilized by Aircraft Generation Squadrons (AGS), Equipment Maintenance Squadrons (EMS), and Component Repair Squadrons (CRS). Current Isochronal Maintenance Stands are heavily over-tasked due to the limited number assigned to AF installations. The non-availability of these stands affects timely maintenance completion, mission capable rates and departure reliability rates. The current stands were built prior to the implementation of Occupational Safety and Health Administration (OSHA) safety regulations and are in a seriously deteriorated state posing structural hazards. The C-5 Isochronal Maintenance Stands permit aircraft maintenance technicians to maintain the C-5 aircraft in support of Strategic Airlift Capability.</p> <p>3. Items requested in FY08 are identified on the 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>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 7		Page 1 of 1			

# UNCLASSIFIED

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> C-5 ISOCHRONAL MAINTENANCE STAND
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
C-5 ISOCHRONO MAINTENANCE STAND	A							1	\$9,708,000	\$9,708	1	\$9,972,000	\$9,972
DATA										\$2,500			
FIRST ARTICLE TEST										\$2,564			
TOTALS:								1		\$14,772	1		\$9,972

**Remarks:**  
Total Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 8	Page 1 of 1
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<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> C-5 ISOCHRONAL MAINTENANCE STAND
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ITEM NAME/ 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
C-5 ISO CHRONO MAINTENANCE STAND									
FY2008	1	\$9,708,000	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Nov-07	Mar-09	Yes	
FY2009	1	\$9,972,000	AFMC/WR-ALC	OPT/FFP	UNKNOWN	Apr-09	Dec-09	Yes	

**Remarks:**  
 Cost information is in actual dollars.

FY08 First Article Acceptance is Mar 09  
 FY09 PR to be initiated after first article acceptance , est Apr 09

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 9	Page 1 of 1
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$15,135	\$2,452	\$348	\$354	\$1,045	\$354	\$0	\$0
<p><b>Description:</b></p> <p>1. Common Aircraft Portable Reprogramming Equipment (CAPRE) replaces the Digital Computer System and 11 Program Loader Verifier devices in organizational and intermediate level shops. CAPRE reprograms aircraft computer software, updates threat data in electronic warfare pods, performs aircraft diagnostic troubleshooting, and supports automated technical orders. CAPRE consists of a laptop, cables, interface modules, software, and Aircraft Adapter Groups (AAGs). Critical to CAPRE are the AAGs. AAGs connect CAPRE laptops, test equipment, and Line Replaceable Units (LRU) on supported weapon systems. 10 to 26 AAGs are required per CAPRE, depending on the aircraft type. Each AAG contains unique cables, connectors, interface module hardware, and software to support reprogramming LRUs. Each shop/location/platform utilizing the aircraft system requires AAGs. Mission-critical Operational Flight Programs (OFPs) and mission data files are downloaded to the CAPRE laptop from the secure bulletin board and over secure telephone units. Personnel then transport CAPRE to the weapon system and use AAGs to upload files to avionics/electronic warfare computers. CAPRE supports the following weapon systems: A-10, B-52, C-5, C-17, C-130, F-15, F-16, H-60, and MH-53.</p> <p>2. Modern combat missions rely on rapid deployment of updated OFPs and enemy threat information to reduce aircrew vulnerability and enhance mission effectiveness. Current reprogramming equipment is increasingly unsupportable due to obsolete components. Failure to procure CAPRE will prevent essential loading of OFPs to meet mission requirements of avionics systems. Without reprogramming capability, aircraft mission capability rates degrade, rapid response to combat missions is impeded, and risk of mission failure, loss of aircraft, and loss of life substantially increase.</p> <p>3. Items requested in FY08 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>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 10		Page 1 of 1			

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<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
CAPRE	A	201	\$17,255	\$3,468									
INTERIM CONTRACT SUPPORT (ICS)				\$150									
TECHNICAL ORDER/LICENSES (1)				\$122									
AIRCRAFT ADAPTER GROUP SOFTWARE				\$11,325			\$2,402			\$323			\$329
DATA (2)				\$70			\$50			\$25			\$25
<b>TOTALS:</b>				\$15,135			\$2,452			\$348			\$354

**Remarks:**  
Total Cost information is in thousands of dollars.

(1) Technical orders require updating with each CAPRE laptop contract award and purchase of operating system licenses.  
 (2) Data being procured for government use to validate existing CAPRE technical order updates as changes occur.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 11	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT
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ITEM NAME/ 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									
FY2006	201	\$17,255	AFMC/WR-ALC	MIPR/C/FFP	GSA/GSA/GOVERNMENT TECHNOLOGIES SERVICES INC./ CHANTILLY, VA	Aug-06	Dec-06		

**Remarks:**  
Cost information is in actual dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 12	Page 1 of 1
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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5 MILLION				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$10,908	\$27,202	\$23,391	\$33,621	\$46,096	\$45,610	\$55,152	\$39,145
<p><b>Description:</b></p> <p>1. The Items Less Than \$5 Million line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable equipment over the life of a weapon system, and consist of over 2,800 national stock numbered (NSN) items as well as numerous items which are non-stock listed (NSL).</p> <p>2. Items requested in FY08 are identified on the following P-40A-IL and are representative of items being procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 13			Page 1 of 1		

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

DATE: FEBRUARY 2007

**APPROP CODE/BA:**

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

**P-1 NOMENCLATURE:**

ITEMS LESS THAN \$5 MILLION

PROCUREMENT ITEMS	NSN	FY2008		FY2009	
		QTY.	COST	QTY.	COST
MAJOR PROCUREMENTS					
30 MM AMMUNITION LOADER GFU 7	1730010648482RN	3	\$2,873	5	\$4,889
TEST SET, TRANSPONDER	6625014584627TG	241	\$2,853	35	\$423
COMBINED GENERATOR AIR CONDITIONER	6115014958117ID	2	\$2,575		
C-130 ISO MAINTENANCE PLATFORM	1730990597533RN	1	\$2,505		
RADIO FREQUENCY TRANSMITTER LINE TEST STATION (RFTLTS)	6625013991757RH	2	\$1,836	5	\$3,791
225KW GENERATOR SET	6115013068342ID			1	\$1,374
MINOR PROCUREMENTS (GROUPED BY FSC)					
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT				52	\$3,537
FSC 1740 AIRFIELD SPECIALIZED TRUCKS AND TRAILERS				2	\$1,457
FSC 2835 GAS TURB & JET ENGINES, EXC ACFT & COMP			\$717		\$888
FSC 3895 MISCELLANEOUS CONSTRUCTION EQUIPMENT				1	\$647
FSC 3950 WINCHES, HOISTS, CRANES AND DERRICKS		1	\$276	2	\$708

**P-1 ITEM NO**  
64

**PAGE NO:**  
7 - 14

Page 1 of 2

# UNCLASSIFIED

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

**DATE:** FEBRUARY 2007

**APPROP CODE/BA:**

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

**P-1 NOMENCLATURE:**

ITEMS LESS THAN \$5 MILLION

PROCUREMENT ITEMS	NSN	FY2008		FY2009	
		QTY.	COST	QTY.	COST
FSC 3990 MISCELLANEOUS MATERIEL HANDLING EQUIPMENT				3	\$994
FSC 4120 AIR CONDITIONING EQUIPMENT				6	\$2,492
FSC 4920 AIRCRAFT MAINT SHOP SPECIALIZED EQP		23	\$6,276	26	\$5,013
FSC 4930 LUBRICATION & DISPENSING EQUIPMENT		1	\$409	3	\$1,409
FSC 6625 ELECT & ELCTRONIC PROPERTIES INSTRUMENT		4	\$2,768	4	\$2,980
FSC 6635 PHYSICAL PROPERTIES TESTING EQUIP		1	\$304	4	\$1,954
FSC 6650 OPTICAL INSTRUMENTS				2	\$1,065
TOTALS:			\$23,391		\$33,621

**Remarks:**

Cost information is in thousands of dollars.

**P-1 ITEM NO**  
64

**PAGE NO:**  
7 - 15

Page 2 of 2

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> ADVANCED DIGITAL TEST STATION				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$33,919	\$16,165	\$19,163	\$18,484	\$16,751	\$5,742	\$0	\$0
<p><b>Description:</b></p> <p>1. The Advanced Digital Test Station (ADTS) is a single Commercial Off The Shelf (COTS) system that replaces 1970s vintage Digital Analog Video and Digital Radar Electronic Warfare Test Systems and Test Sets. ADTS is fully automated, programmable, stimulus generating, response measuring, intermediate automatic test equipment that will checkout, align, and fault isolate 134 avionics Line Replaceable Units (LRUs). ADTS interfaces to LRUs via Test Program Sets (TPSs). TPSs are required to perform the automated testing and fault isolation of the Unit Under Test (UUT). A TPS consists of test software, an interface test adapter (ITA), cables used to connect the ITA to the UUT, and supporting documentation.</p> <p>2. This test station supports B-1 avionics LRUs, and ultimately impacts B-1 mission capability for Global Attack missions. Failure to provide funding for ADTS will reduce B-1 mission capability due to non-availability of serviceable assets. The Combat Air Force considers ADTS a top priority. The automatic test equipment (ATE) presently supporting B-1 LRU/Shop Replaceable Unit (SRU) troubleshooting and repair is no longer supportable due to diminished manufacturing sources and obsolescence caused by age of the equipment.</p> <p>3. Items requested in FY08 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p> <p>4. All funding beginning in FY08 is for Test Program Sets (TPS) Rehost efforts.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 16			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> ADVANCED DIGITAL TEST STATION
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
SELF TEST AND CALIBRATION (ITA)				\$139			\$144						
PRODUCT SUPPORT AGREEMENT				\$2,082			\$303						
TEST PROGRAM SET REHOST				\$21,446			\$14,211			\$19,163			\$18,484
ADV DIGITAL TEST STATION	A	7	\$1,464,603	\$10,252	1	\$1,507,000	\$1,507						
<b>TOTALS:</b>		7		\$33,919	1		\$16,165			\$19,163			\$18,484

**Remarks:**  
Total Cost information is in thousands of dollars.

(1) ITA: Interface Test Adaptors  
 (2) Supplier corrects legitimate problems at no additional item cost and keeps items servicable (supply parts, maintenance, software, and technical support).  
 (3) Adapts TPSs to new ADTS.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 17	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> ADVANCED DIGITAL TEST STATION
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ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
ADV DIGITAL TEST STATION									
FY2006	7	\$1,464,603	AFMC/OC-ALC	DO/FFP	TERADYNE INC/NORTH READING, MA	Dec-05	Dec-06		
FY2007	1	\$1,507,000	AFMC/OC-ALC	DO/FFP	TERADYNE INC/NORTH READING, MA	Dec-06	Dec-07		

**Remarks:**  
 Cost information is in actual dollars.

Contract FA8102-04-D-0001 awarded 24 Nov 2003 as an order type contract and may be exercised through FY07.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 18	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> FLIGHT CONTROL TEST SET (FLCTS)				
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$0	\$2,938	\$5,011	\$7,008	\$4,000	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. This organizational level tester maintains and tests the Automatic Flight Control System (AFCS) on all F-15A/D aircraft by isolating to a defective aircraft line replacement unit (LRU). The AFCS provides functions of pitch, roll, and yaw control augmentation through the Control Augmentations System (CAS), pilot relief modes (auto pilot) of altitude hold, pitch roll, yaw, and take off trim. The CAS is the primary control system for the aircraft. The test set includes the test set itself, self-tester (coffin tester), remote controller (enables operation of the test set from aircraft cockpit), combination case (includes a control panel assembly) and special purpose cables.</p> <p>2. Replacement of any of these components and/or pilot reported discrepancy (Deviations from Flight), requires checking of the AFCS with the tester prior to flight as the T.O. directs the use of the FLTS as a diagnostic tool. Impound aircraft require FLTS for diagnostics and release of aircraft for flight. Based on Command Technologies study, which included obsolescence and diminishing manufacturing sources analysis, the recommended sustainment strategy was replacement of test unit. This recommendation coincides with concerns of current AFCS specific LRU testing in regard to long term support problems. Pre-computer architecture of logistics and timing circuits rules out re-engineering individual components.</p> <p>3. Failure to procure this tester will increase AFCS repair/budget, decrease combat missions, ground F-15 aircraft world-wide, affect F-15 Programmed Depot Maintenance (PDM) schedules, risk loss of life, and greatly increase our nation's vulnerability to enemy threats.</p> <p>4. Items requested in FY08 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change on critical equipment needs to support current Air Force mission requirements.</p>								
	P-1 ITEM NO 64		PAGE NO: 7 - 19			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> FLIGHT CONTROL TEST SET (FLCTS)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
FLIGHTS CNT TEST SET	A				10	\$264,458	\$2,645	17	\$270,352	\$4,596	24	\$275,999	\$6,624
NON-RECURRING ENGINEERING							\$124			\$120			\$154
DATA							\$100			\$75			\$80
1ST FIRST ARTICLE TESTING										\$80			
TRAINING							\$70			\$140			\$150
<b>TOTALS:</b>							\$2,938			\$5,011			\$7,008

**Remarks:**  
Total Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 20	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> FLIGHT CONTROL TEST SET (FLCTS)
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ITEM NAME/ 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
FLIGHTS CNT TEST SET									
FY2007	10	\$264,458	AFMC/WR-ALC	SS/FFP	BOEING AEROSPACE/ ST LOUIS, MO	Mar-07	Oct-07	Yes	
FY2008	17	\$270,352	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Mar-08	Oct-08	Yes	
FY2009	24	\$275,999	AFMC/WR-ALC	OPT/FFP	UNKNOWN	Mar-09	Jul-09	Yes	

**Remarks:**  
Cost information is in actual dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 21	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> STORES SYSTEM TESTER - INTERMEDIATE				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$3,321	\$5,505	\$13,087	\$9,225	\$0	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The Stores System Tester - Intermediate (SSTI) replaces the Stores Release Equipment tester and directly impacts the Air Force's ability to safely load, carry, and launch weapons on the F-16 aircraft. The current tester accomplishes intermediate level testing of F-16 Alternate Mission Equipment (AME), which includes aircraft launchers, pylons, bomb racks, gun pods, and associated relays/adapters. The tester performs AME functional and fault isolation tests. Tester shortages are creating severe limitations on mission accomplishment. Procurement of existing testers is not an option due to diminishing manufacturing sources (DMS). Procurement of the SSTI fills the existing tester shortages and precludes further DMS complications.</p> <p>2. The current test set is uneconomical to maintain due to obsolete and outdated parts. Older test sets are failing at higher rates, are becoming increasingly more difficult to repair, and are no longer reliable in determining the cause of AME failures. If a replacement tester is not made available, essential AME maintenance will lag, impacting timely weapons loading on the aircraft; thus reducing F-16 mission capability.</p> <p>3. Items requested in FY08 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>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 22			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> STORES SYSTEM TESTER - INTERMEDIATE
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
STORES SYSTEM TESTER - INTERMEDIATE LEVEL	A	11	\$301,877	\$3,321	14	\$393,233	\$5,505	33	\$396,590	\$13,087	20	\$443,614	\$8,872
DATA/TRAINING													\$353
<b>TOTALS:</b>		11		\$3,321	14		\$5,505	33		\$13,087	20		\$9,225

**Remarks:**  
Total Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 23	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> STORES SYSTEM TESTER - INTERMEDIATE
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ITEM NAME/ 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
STORES SYSTEM TESTER - INTERMEDIATE LEVEL(1)									
FY2006	11	\$301,877	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	May-06	Jan-08		
FY2007	14	\$393,233	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	Jan-07	Jul-08		
FY2008	33	\$396,590	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	Nov-07	May-09	Yes	
FY2009	20	\$443,614	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	Nov-08	May-10	Yes	

**Remarks:**  
 Cost information is in actual dollars.

(1) This 5 year IDIQ contract, FA8212-04-D-0014, was awarded 7 Sep 04.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 24		Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> STORES SYSTEM TESTER - ORGANIZATION LEVEL				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$6,524	\$7,044	\$14,325	\$16,024	\$4,251	\$0	\$0	\$0
<p><b>Description:</b></p> <p>1. The Stores System Tester - Organizational (SSTO) replaces the Stores Management System (SMS) tester which performs on-aircraft organizational level functional and fault isolation tests on the F-16 aircraft. Tester sustainability, parts obsolescence, and resulting tester shortages are creating severe limitations on mission accomplishment. Procurement of existing testers is not an option due to diminishing manufacturing sources (DMS). Procurement of the SSTO fills existing tester shortages and precludes further DMS complications.</p> <p>2. The current test set is uneconomical to maintain due to obsolete and outdated parts. Older test sets are failing at higher rates, are becoming increasingly more difficult to repair, and are no longer reliable for determining the cause of F-16 SMS failures. If a replacement tester is not made available, essential SMS maintenance will lag, impacting timely weapons loading on the aircraft; thus reducing F-16 mission capability.</p> <p>3. Items requested in FY08 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 25			Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

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

**DATE:** FEBRUARY 2007

**APPROP CODE/BA:**

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

**P-1 NOMENCLATURE:**

STORES SYSTEM TESTER - ORGANIZATION LEVEL

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STORES SYSTEM TESTER - ORGANIZATION LEVEL	A	26	\$6,524	25	\$7,044	50	\$14,325	50	\$16,024
<b>TOTALS:</b>		26	\$6,524	25	\$7,044	50	\$14,325	50	\$16,024

**Remarks:**

Cost information is in thousands of dollars.

**P-1 ITEM NO**  
64

**PAGE NO:**  
7 - 26

Page 1 of 1

# UNCLASSIFIED

# UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> STORES SYSTEM TESTER - ORGANIZATION LEVEL						
ITEM NAME/ 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	
STORES SYSTEM TESTER - ORGANIZATION LEVEL(1)										
FY2006	26	\$250,913	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEM/ NASHUA, NH	May-06	Jan-08			
FY2007	25	\$281,766	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEM/ NASHUA, NH	Jan-07	Jul-08			
FY2008	50	\$286,506	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEM/ NASHUA, NH	Nov-07	May-09	Yes		
FY2009	50	\$320,477	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEM/ NASHUA, NH	Nov-08	May-10	Yes		
<b>Remarks:</b> Cost information is in actual dollars.  (1) This 5 year IDIQ contract, FA8212-04-D-0014, was awarded 7 Sep 04.										
<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 27			Page 1 of 1					

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> USM-464 COUNTERMEASURES TEST SET (CTS)				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$2,844	\$0	\$7,350	\$0	\$4,225	\$4,314	\$1,102	\$0
<b>Description:</b>								
<p>1. The AN/USM-464 Countermeasures Test Set is a one-person portable, ruggedized computer controlled automatic flightline tester. It is used to perform end-to-end, GO/NO-GO performance verification testing at the organizational level (O-level) for electronic warfare (EW) systems in place onboard aircraft. The design of the AN/USM-464 is intended to produce maximum commonality of hardware and software, to permit O-level maintenance of radar homing and warning receiver equipment, radar warning receivers, Electronic Countermeasures (ECM) equipment, antennas and cables. This test system supports ALR-46, ALR-69, ALQ-172(V)1, ALQ-172 (V)2, ALQ-155, ALQ-122 and ALQ-196 ECM systems installed on B52H, MC-130E Combat Talon I, MC-130H Combat Talon II, AC-130H Gunship, AC-130U Gunship and MC-130P Combat Shadow weapon systems.</p> <p>2. The USM-464 is common to ACC and AFSOC and is the only test set that is capable of performing the complex tests on sophisticated EW systems. The B-52 is currently deployed to support Operation Enduring Freedom (OEF) with the deployment commitment to be drastically increased in the future. The USM-464 is critical equipment required to perform B-52 Phase required EW Tests. Fully Mission Capable (MC) aircraft were returned to CONUS because no EW test capability was available. Purchasing the new USM-464 downsized test set is critical to ensure the B-52 EW systems operate properly to prevent possible loss of aircraft when sent into combat.</p> <p>3. Items requested in FY08 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64			<b>PAGE NO:</b> 7 - 28		Page 1 of 1		

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> USM-464 COUNTERMEASURES TEST SET (CTS)
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<b>PROCUREMENT ITEMS</b>	<b>ID CODE</b>	<b>FY2006</b>		<b>FY2007</b>		<b>FY2008</b>		<b>FY2009</b>	
		<b>QTY.</b>	<b>COST</b>	<b>QTY.</b>	<b>COST</b>	<b>QTY.</b>	<b>COST</b>	<b>QTY.</b>	<b>COST</b>
USM-464 COUNTERMEASURES TEST SET (CTS)	A	7	\$2,844			14	\$7,350		
<b>TOTALS:</b>		7	\$2,844			14	\$7,350		

**Remarks:**  
Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 29	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> USM-464 COUNTERMEASURES TEST SET (CTS)
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ITEM NAME/ 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
USM-464 COUNTERMEASURES TEST SET (CTS)									
FY2006(1)	7	\$406,284	AFMC/WR-ALC	SS/IDIQ	BAE/NASHUA, NH	Sep-06	Apr-07		
FY2008(1)	14	\$525,000	AFMC/WR-ALC	SS/IDIQ	BAE/NASHUA, NH	Dec-07	Aug-08	Yes	

**Remarks:**  
 Cost information is in actual dollars.

NSN added to BAE corporate contract in FY2006.

(1) BAE Corporate Contract F09603-03-D-0001 in place, expires 2013

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 30	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				<b>P-1 NOMENCLATURE:</b> USM670 CORE TEST SET (CTS)				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$0	\$5,895	\$1,721	\$0	\$4,038	\$1,833	\$1,872	\$2,392
<p><b>Description:</b></p> <p>1. The Joint Service Electronic Combat Systems Tester (JSECST) provides an organizational level (O-level) flight line capability for verifying the operational status of aircraft-installed electronic combat (EC) systems including their associated installed antennas, transmission lines, radomes, cockpit displays, controls and EC suite communication buses. It also provides EC system malfunction diagnostics. The JSECST provides end-to-end (ETE) functional testing to determine the status of EC systems installed in or on operational aircraft. It automatically determines the go/no-go status of the EC system with minimal technician interaction. In cases where the EC system has a critical fault, the JSECST detects the critical failure, indentifies the ETE test that failed, and provides the diagnostics to isolate the failed aircraft transmission line path/component or line replaceable unit (LRU). The JSECST can be operated in automatic or manual mode to provide identification and isolation of failed EC systems. This equipment supports Air Force weapon systems A-10, F-15 and F-16 aircraft.</p> <p>2. Failure to procure this item would compromise the safety of more than 14 units supporting A-10s, F-15s, and F-16s. The JSECST is a defensive system tester, equipping the war fighter with safe and fully functional electronic combat systems.</p> <p>3. Items requested in FY08 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 31			Page 1 of 1		

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> USM670 CORE TEST SET (CTS)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
USM670 CORE TEST SET (CTS)	A			14	\$5,895	4	\$1,721		
<b>TOTALS:</b>				14	\$5,895	4	\$1,721		

**Remarks:**  
Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 32	Page 1 of 1
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# UNCLASSIFIED

<b>BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	<b>P-1 NOMENCLATURE:</b> USM670 CORE TEST SET (CTS)
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ITEM NAME/ 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
USM670 CORE TEST SET (CTS)									
FY2007	14	\$421,064	AFMC/WR-ALC	SS/IDIQ	UNKNOWN	Mar-07	Oct-07	Yes	
FY2008	4	\$430,128	AFMC/WR-ALC	SS/IDIQ	UNKNOWN	Jan-08	Aug-08	Yes	

**Remarks:**  
Cost information is in actual dollars.

	<b>P-1 ITEM NO</b> 64		<b>PAGE NO:</b> 7 - 33	Page 1 of 1
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**FY 2008/2009 BUDGET ESTIMATES**  
**BP 13 – POST PRODUCTION SUPPORT**  
**FEBRUARY 2007**

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 65</b>								P-1 Line Item Nomenclature <b>B-1 Post Prod Support</b>			

Program Element for Code B Items:		11126F			Other Related Program Elements:				64226f; 11126f			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			13.285	10.282	0.000	0.000	0.000	0.000	0.000	0.000		23.567

**Description**  
 Aircraft Post-Production Support for B-1 aircraft. The B-1 is a long range, all weather, precision attack, heavy bomber. The aircraft is 147 feet long by 137 feet wide and weighs 477,000 pounds fully loaded. The B-1 operates at speeds up to Mach 1.2 and at altitudes from 200 feet above ground level to 40,000 feet.

**FY 2008 Program Justification**

N/A

**FY 2009 Program Justification**

N/A

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 65</b>	P-1 Line Item Nomenclature <b>B-1 Post Prod Support</b>

Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A												
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)	A												
Engine PGSE	A												
Peculiar Training Equipment	A												
Publications/Technical Data	A												
ECOs	A												
Other	A												
<b>SUPPORT COST SUBTOTAL</b>													
Other Government Furnished Equipment (GFE)	A			0.063			0.162						
Depot Level Support Equipment	A			13.222			10.120						
MRSP's / Re provisioning Spares	A												
<b>OTHER SUPORT COSTS SUBTOTAL</b>				13.285			10.282						
<b>TOTAL PROGRAM</b>				13.285			10.282						

Comments

<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 66</b>							P-1 Line Item Nomenclature <b>B-2A Post Prod Support</b>					

Program Element for Code B Items:		11127F			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)			6.856	7.665								14.521
Interim Ctr Support (\$ M)			26.979	11.666	34.780	37.139	31.314	22.023	14.547	11.781		190.229
Advance Proc Cost (\$ M)												0.000
Weapon System Cost (\$ M)		0.000	33.835	19.331	34.780	37.139	31.314	22.023	14.547	11.781	0.000	204.750
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	33.835	19.331	34.780	37.139	31.314	22.023	14.547	11.781	0.000	204.750
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)			6.856	7.665					1.192	2.926		

**Description**

- Post Production Support funds are used for the following requirements:

-- Maintain software lab capabilities. The B-2 lab is a one-of-a-kind facility that develops, maintains, integrates, and tests the B-2 Spirit software. No other facility exists that can perform all of these functions. The B-2 lab combines flight controls, radar, weapons, navigation, traffic control, communications, flight management, external interfaces, and defensive management functionality in a lab environment. This funding will also acquire upgrades, integration, and testing of obsolete lab equipment.

-- Depot Activation for B-2 components as directed by HQ AFMC via the Source of Repair Assignment Process (SORAP). Funds will initiate depot activation execution of organic repair capability to include purchase of hardware/software support equipment and replacement of non-stock listed obsolete parts.

-- Procurement of non-stock listed piece parts and other peculiar and common support equipment.

**FY 2008 Program Justification**

All PPS requirements for FY08 are currently unfunded.

**FY 2009 Program Justification**

Beginning in FY09, Depot Activation requirements are funded from BP19; all other PPS requirements will continue to be funded from BP13 PPS. FY09 PPS requirements are currently unfunded.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 66</b>	P-1 Line Item Nomenclature <b>B-2A Post Prod Support</b>

Manufacturer's Name/Plant City/State Location Northrop Grumman CForp., B-2 Division, Pico Rivera, Ca.	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A												
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)	A												
Engine PGSE	A												
Peculiar Training Equipment	A			0.100				0.100					
Common Support Equipment	A			0.100				0.100					
Publications/Technical Data	A												
S/W & H/W Investment				4.235				4.675					
Progm Mngt & Rqts				2.421				2.790					
ECOs	A												
Other	A												
<b>SUPPORT COST SUBTOTAL</b>				6.856				7.665					
<b>INTERIM CONTRACTOR SUPPORT (ICS)</b>				26.979				11.666			34.780		37.139
<b>TOTAL PROGRAM</b>				33.835				19.331			34.780		37.139

Comments

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67</b>								P-1 Line Item Nomenclature <b>B-2A ICS</b>			

Program Element for Code B Items:		N/A11			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Cost (\$ M)												0.000
Interim Ctr Support (\$ M)			26.979	11.666	34.780	37.139	31.314	22.023	14.547	11.781		190.229
Advance Proc Cost (\$ M)												0.000
Weapon System Cost (\$ M)		0.000	26.979	11.666	34.780	37.139	31.314	22.023	14.547	11.781	0.000	190.229
Initial Spares (\$ M)												0.000
Total Proc Cost (\$ M)		0.000	26.979	11.666	34.780	37.139	31.314	22.023	14.547	11.781	0.000	190.229
Flyaway Unit Cost (\$ M)												
Wpn Sys Unit Cost (\$ M)			26.979	11.666	34.780	37.139	31.314	22.023	14.547	11.781		179.434

**Description**

Interim Contractor Support (ICS) provides maintenance and repair capability to meet Air Combat Command (ACC) operational requirements for the B-2 weapon system. The ICS program is a comprehensive repair capability repairing 592 different B-2 Line Replaceable Units (LRU), Shop Replaceable Units (SRU), airframe structures, hydro-mechanical components, and avionics components until permanent depot capability is established. ICS funds will fund repairs until all components are depot activated.

**FY 2008 Program Justification**

ICS provides maintenance and repairs for B-2 components needed to operate the fleet. FY08 ICS funding will continue to support repair-prioritized critical MICAP items precluding operational training impacts, minimizing cannibalization, and minimizing repair backlogs. FY08 funds will also purchase Government Furnish Materials required to maintain Special Test Equipment (STE) required for repair and maintenance of B-2 components. During FY06/07, funding infusions reversed the downward trend of funding shortfalls that had occurred prior to FY06.

**FY 2009 Program Justification**

ICS funding requirements continue due to delays in depot activation funds from prior years. ICS funds will fund repairs until all components are depot activated.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67</b>	P-1 Line Item Nomenclature <b>B-2A ICS</b>

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Interim Contractor Support				26.979			11.666			34.780			37.139
<b>TOTAL PROGRAM</b>				<b>26.979</b>			<b>11.666</b>			<b>34.780</b>			<b>37.139</b>

Comments

<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68</b>								P-1 Line Item Nomenclature <b>B-52 SQUADRONS</b>			

Program Element for Code B Items:		N/A			Other Related Program Elements:				010113F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			18.678	8.052	0.000	0.000	0.000	0.000	0.000	0.000		26.730

**Description**

The Conventional Enhancement Module (CEM) is a new tester that is baselined to the Off-Aircraft Pylon Test (OAPT) developed under the Integrated Conventional Stores Management System (ICSMS). The tester, termed: Multi-Use System Tester Armament - Next Generation or MUSTANG, combines the test capabilities of three separate testers: Off-Aircraft Pylon Tester (OAPT), Ground Weapons Maintenance Tester (GWM-9) and Weapons Pre load Tester (WPT). The OAPT is utilized to certify the common pylons for conventional and MIL-STD-1760 weapons release every 180 days. The WPT tests aircraft nuclear and conventional (MIL-STD-1760 conventional munitions) launcher/weapon control systems. The GWM-9 tests legacy conventional weapon control and suspension systems.

**FY 2008 Program Justification**

N/A

**FY 2009 Program Justification**

N/A

<b>Exhibit P-5, Weapon System Cost Analysis</b>		Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68</b>		P-1 Line Item Nomenclature <b>B-52 SQUADRONS</b>

Manufacturer's Name/Plant City/State Location Boeing IDS/Wichita/KS	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Support Equipment	A	16	0.913	14.612	7	1.023	7.163						
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A			2.411			0.664						
Publications/Technical Data	A			1.655			0.225						
SUPPORT COST SUBTOTAL													
<b>TOTAL PROGRAM</b>				18.678			8.052						

Comments

<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 69</b>								P-1 Line Item Nomenclature <b>C-5 Conversion Requirements</b>				
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			0.000	0.000	18.277	18.635	12.118	0.000	0.000	0.000		49.030

**Description**

C-5 equipment requirements are required in support of ongoing conversions at ANG and AFRC units. The ANG has an empennage (Emp) maintenance stand requirement in FY08 and FY09 at its units at Memphis, TN and Martinsburg, WV. The Emp stand is used in support of maintenance of the tail section of the C-5 aircraft. The stand is approximately 70 feet tall and 77 feet wide at the horizontal stabilizer. The C-5 Emp is a self-propelled unit that contains approximately six working levels. It is designed to provide access to all inspection points to allow personnel to remove, install, and inspect all accessories and flight controls on the C-5 aircraft. The stand incorporates an elevator and crane capability and is mobile and drivable under its own power from a diesel engine. The AFRC has several equipment requirements in support of its unit at Wright-Patterson AFB (WPAFB), OH. The WPAFB unit requirements are needed in FY08, FY09, and FY10 (\$12.118M).

**FY 2008 Program Justification**

FY08 - Procures equipment in support of converting units at Memphis, TN (ANG - \$6.477M) and Wright-Patterson AFB, OH (AFRC - \$11.8M).

**FY 2009 Program Justification**

FY09 - Procures equipment in support of converting units at Martinsburg, WV (ANG - \$6.435M) and Wright-Patterson AFB, OH (AFRC - \$12.2M).

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 69</b>	P-1 Line Item Nomenclature <b>C-5 Conversion Requirements</b>
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Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics													
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
Other										18.277			18.635
<b>SUPPORT COST SUBTOTAL</b>										18.277			18.635
<b>TOTAL PROGRAM</b>										18.277			18.635

Comments

<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70</b>								P-1 Line Item Nomenclature <b>C-21</b>			

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)		0.000	0.000	0.000	14.904	19.213	0.000	0.000	0.000	0.000	0.000	34.117

**Description**

A suite of five Ground Based Training System (GBTS) devices will be acquired to use with the C-21 aircraft to support Combat System Officer (CSO) training. Two will be low-level part-task devices, comprised of only the radar and the Flight Management System (FMS). These devices will enable the student to learn how to use radar while running a mission. The other three devices will provide higher level aircrew training. They will replicate the flight deck and allow the student to learn copilot duties as well as practice running the mission with another crew member prior to actual flight.

Headquarters Air Education and Training Command (AETC) is currently evaluating whether CSO training will be done on C-21 or T-1 aircraft. If the decision is made to use T-1 aircraft, these funds will be used to acquire T-1 training devices in lieu of those for the C-21.

**FY 2008 Program Justification**

Acquire two part-task and one high-level C-21 (T-1) CSO aircrew training devices for use at the joint training facility at NAS Pensacola FL.

**FY 2009 Program Justification**

Acquire two high-level C-21 (T-1) CSO aircrew training devices for use at the joint training facility at NAS Pensacola FL.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70</b>	P-1 Line Item Nomenclature <b>C-21</b>

Manufacturer's Name/Plant City/State Location	Subline Item
TBD	N/A

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics													
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
Other													
<b>SUPPORT COST SUBTOTAL</b>													
Ground Based Training System												14.904	19.213
<b>TOTAL PROGRAM</b>												14.904	19.213

Comments  
This is a non-developmental program. Source selection will be determined after review of current aircraft modification contracts is complete.

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<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71</b>							P-1 Line Item Nomenclature <b>C-130 Post Prod Support</b>					

Program Element for Code B Items:		41115F			Other Related Program Elements:				44011F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)		24.421	20.227	0.000	16.929	0.000	0.000	0.000	0.000	0.000		61.577

**Description**

In support of OPERATION ENDURING FREEDOM, the need for additional AC-130U force structure resulted in Dec 01 DEPSECDEF PDM IV which directed the procurement of 4 additional AC-130Us. USSOCOM agreed to purchase the aircraft and fund AFSOC-related equipment and avionics. USAF agreed to accept acquisition management and fund C-130-common equipment and avionics. This funding provides for common support equipment for these 4 aircraft.

**FY 2008 Program Justification**

Post production support for AC-130U plus 4 aircraft.

**FY 2009 Program Justification**



<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72</b>							P-1 Line Item Nomenclature <b>EC-130J</b>					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	0										0
Total Proc Cost (\$ M)		0.000	0.000	0.000	5.348	5.435	5.431	0.000	0.000	0.000		16.214

**Description**

The EC-130J Commando Solo conducts information operations, psychological operations and civil affairs broadcasts in AM, FM, HF, TV and military communications bands. A typical mission consists of a single-ship orbit offset from the desired target audience -- either military or civilian personnel. The EC-130J is a highly modified C-130J and the modifications include 60/90 KVA generator systems. The new generator system involves extensive modification to the USAF configuration Quick Engine Change (QEC) kit. Since the QEC is a two-level maintenance item, a separate/unique QEC must be spared/supported to sustain the fleet of EC-130J aircraft. The EC-130J fleet requires 3 additional EC-peculiar 60/90 KVA configuration QECs

**FY 2008 Program Justification**

Funds in FY08 will fully fund the procurement on one additional EC-130J QEC. The QEC will deliver in FY10.

**FY 2009 Program Justification**

Funds in FY09 will fully fund the procurement on one additional EC-130J QEC. The QEC will deliver in FY11.

<b>Exhibit P-5, Weapon System Cost Analysis</b>		Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72</b>		P-1 Line Item Nomenclature <b>EC-130J</b>

Manufacturer's Name/Plant City/State Location Lockheed Martin Aero - Marietta	Subline Item EC-130J (BPAC 13400C)
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics													
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
Other								1	5.275	5.275	1	5.375	5.375
<b>SUPPORT COST SUBTOTAL</b>													
<b>TOTAL PROGRAM</b>										5.275			5.375

Comments

Funding to procure 3 additional EC-130J QECs ( 1 per year ) to support/sustain the 7 EC-130J aircraft fielded.

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73</b>								P-1 Line Item Nomenclature <b>F-15 Post Prod Support</b>				
Program Element for Code B Items:		N/A			Other Related Program Elements:				n/a			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)		34.411	12.993	10.702	5.615	13.372	16.186	22.431	2.701	2.754	TBD	TBD

**Description**

The program continues post-production support of the F15A-E fleet including Interim Contractor Support (ICS) for various air vehicle subsystems and the Electronic Systems Test Set (ESTS).

The F15A-D Eagle is a highly maneuverable all-weather air superiority fighter. The F15E Strike Eagle retains the basic air-to-air capability of the F15 A-D Eagle, but adds a weapon systems operator (WSO), rear cockpit, conformal fuel tanks and advanced systems for all-weather, day/night, all-altitude, deep penetration air-to-surface attack.

**FY 2008 Program Justification**

Funding is required for continuing support of Electronic Systems Test Set (ESTS) and to provide Interim Contract Support (ICS) for repair of newly fielded assets until support decision (SORAP) is implemented to establish the organic or contract repair for the equipment. Grounding of aircraft will result without this repair support.

**FY 2009 Program Justification**

Funding is required for continuing support of Electronic Systems Test Set (ESTS) and to provide Interim Contract Support (ICS) for repair of newly fielded assets until support decision (SORAP) is implemented to establish the organic or contract repair for the equipment. Grounding of aircraft will result without this repair support.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73</b>	P-1 Line Item Nomenclature <b>F-15 Post Prod Support</b>

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe Peculiar Ground Support Equipment (PGSE)	A			1.110			1.084						
Engine PGSE	A			0.000			0.000						
PPS	A			1.976			2.284						
ICS (including ESTS)	A			6.300			3.400			5.615			13.372
Support Contracts	A			3.607			3.934						
Plant Shutdown	A			0.000									
<b>TOTAL PROGRAM</b>				<b>12.993</b>			<b>10.702</b>			<b>5.615</b>			<b>13.372</b>

Comments  
FY08-13 Funding for ESTS and ICS only.

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<b>Exhibit P-40, Budget Item Justification</b>							Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74</b>							P-1 Line Item Nomenclature <b>F-16 Post Prod Support</b>				

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			17.594	12.200	19.454	20.758	20.510	20.812	21.224	21.644		154.196

**Description**

The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a fixed-wing, high-performance, single-engine fighter aircraft. In its 28-year history, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions such as defense suppression, armed reconnaissance, close air support, combat air patrol, forward air control, and battle air interdiction (day/night and all-weather). Also, during these years the aircraft has evolved in its capabilities to exploit the advances made in computer, avionics systems, engine, and structures technologies. The F-16 has been selected by over 20 air forces around the world. Due to lead time necessary for delivery of depot stand-up assets (purchased with BP11 funds), ICS funds of \$7M are required in FY08 for continued interim contractor repair of these assets.

**FY 2008 Program Justification**

This appropriation is for the continuation of prime contract post production support, procurement of deferred peculiar ground support equipment, and activities associated with F-16 production line shutdown.

**FY 2009 Program Justification**

This appropriation is for the continuation of prime contract post production support, procurement of deferred peculiar ground support equipment, and activities associated with F-16 production line shutdown.



<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74a</b>								P-1 Line Item Nomenclature <b>Joint Primary Aircraft Training System (JPATS)</b>				
Program Element for Code B Items:		N/A			Other Related Program Elements:			0604233F, 0804741F				
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)		0.000	0.000	0.000	0.000	8.929	9.248	9.619	0.000	0.000	0.000	27.796

**Description**

FY09-FY11 Post Production Support for the Joint Primary Aircraft Training System (JPATS) program. The final Air Force JPATS aircraft buy occurs in FY08. The final Air Force Aircrew Training Device (ATD) buy occurs in FY09.

**FY 2008 Program Justification**

N/A

**FY 2009 Program Justification**

Partially funds FY09 Post Production Support (program management, system engineering, prime contract Contract Data Requirement List items). (The remainder of the funding is programmed in PE 0804740F JPATS weapon system line.)



Exhibit P-40, Budget Item Justification									Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75</b>									P-1 Line Item Nomenclature <b>OTHER AIRCRAFT</b>			
Program Element for Code B Items:			N/A			Other Related Program Elements:			0207131F, 0101113F, 0101127F, 0207223F, 0401130F, 41119F, 41115F			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	0										0
Total Proc Cost (\$ M)		0.000	0.000	0.000	101.896	90.531	198.176	205.655	172.624	76.769	TBD	TBD
<b>Description</b>												
Other Aircraft contains funding from two Program Elements that support two distinct programs.												
- FULL COMBAT MISSION TRAINING ( FCMT) is funded in PE 27701F, provides funds to procure aircrew trainers for the Combat Air Forces (CAF) and supports CAF participation in Air Force Distributed Mission Operations (DMO). DMO is an operational readiness initiative enabling the USAF to exercise and train at the operational and strategic levels of war while facilitating unit level training. Networked Live-Virtual-Constructive components form the integrated DMO battlespace by linking geographically distributed high fidelity combat and combat support training devices including C2 and ISR systems.												
- TRAINING is funded in PE 41897F, provides funds to procure/enhance aircrew and maintenance trainers for the Mobility Air Forces (MAF). Additional/upgraded trainers will provide for improved combat readiness and reduce utilization of aircraft for training. Additional aircraft formerly used for training will now be available to the warfighting commanders. Critical tactical and distributed mission operation training in these simulators will increase MAF combat effectiveness and reduce aircraft losses.												
<b>FY 2008 Program Justification</b>												
- FY 08 FCMT funding will support the acquisition of 7 A-10C Full Mission Trainers (FMT) . These additional FMTs will complete the equipping of all A-10C Active Duty units and provide 2 additional Air National Guard A-10C units with FMTs providing 360 degree visual displays and DMO capability.												
- FY 08 TRAINING funding will support the acquisition of:												
-- 2 C-17 Sim Threat Generators to provide realistic tactics training in the C-5 weapon system trainers allowing crewmembers to practice tactical and threat avoidance procedures in a safe, low cost environment												
-- 1 C-17 Weapon System Trainer will increase the amount of flying training that can be moved from the costly aircraft to the simulator providing more C-17s available to the warfighting commanders												
-- 7 C-5 Sim Threat Generators to provide realistic tactics training in the C-5 weapon system trainers allowing crewmembers to practice tactical and threat avoidance procedures in a safe, low cost environment												
-- 19 AMC C-130 Sim Training Devices; cargo compartment displays for enhanced initial load master training; trainers to enhance mission planning; station keeping part task trainers - allows a significant reduction in training which now must be accomplished in the aircraft.												
-- 1 KC-135 Boom Operator Trainer - provides for Distributed Mission Operation training capability for boom operators and pilots training in receiver air refueling and much less expensive simulator training for boom operators instead of training in the aircraft												
-- 12 C-17 Loadmaster visual systems for Loadmaster training; supports night vision goggle training, tactics training and FAA Level C training requirements												
-- 3 C-5 Simulator Visual Systems will provide upgraded image generation and visual projector systems for C-5 simulators to support night vision goggle training, tactics training and FAA Level C training requirements												
P-1 Shopping List Item No. 75									Budget Item Justification Exhibit P-40, page 1 of 3			

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75</b>	P-1 Line Item Nomenclature <b>OTHER AIRCRAFT</b>

**FY 2009 Program Justification**

- FY 09 FCMT funding will support:

-- The acquisition of 6 F-16 block 50 trainers - \$39.4M. These trainers will replace capability currently provided by Training Simulation Services contracts in accordance with direction provided by FY 07 NDAA

--The modification of 2 B-2 (RADAR mods) and 3 B-52 Trainers (Electronic Mods) - \$10.0M These funds will be converted to BA 5 in FY 09.

- FY 09 TRAINING funding will support the acquisition of:

-- 5 C-17 Sim Threat Generators to provide realistic tactics training in the C-5 weapon system trainers allowing crewmembers to practice tactical and threat avoidance procedures in a safe, low cost environment

-- 1 C-17 Weapon System Trainer will increase the amount of flying training that can be moved from the costly aircraft to the simulator providing more C-17s available to the warfighting commanders

-- 2 C-5 Sim Threat Generators to provide realistic tactics training in the C-5 weapon system trainers allowing crewmembers to practice tactical and threat avoidance procedures in a safe, low cost environment

-- Distributed Mission Operations (DMO) Capability provides for integration of 25 C-5 and C-17 simulators into the Air Force DMO environment to allow geographically separated battlefield systems and trainers to participate in a synthetic battlefield environment for mission rehearsal, Air Expeditionary Force (AEF) preparation and team tactical training

-- 1 C-17 Cargo Load Model allows hands-on instruction for C-17 initial training of student loadmasters which will increase student Loadmaster throughput and reduce costly on aircraft training

-- 3 C-5 Simulator Visual Systems will provide upgraded image generation and visual projector systems for C-5 simulators to support supports night vision goggle training, tactics training and FAA Level C training

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75</b>	P-1 Line Item Nomenclature <b>OTHER AIRCRAFT</b>

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics													
Armament													
Software													
Other Government Furnished Equipment (GFE)													
Engineering Change Orders (ECO)													
Nonrecurring Costs													
Other Costs													
FLYAWAY COST SUBTOTAL													
Airframe Peculiar Ground Support Equipment (PGSE)													
Engine PGSE													
Peculiar Training Equipment													
Publications/Technical Data													
ECOs													
Other													
FULL COMBAT MISSION TRAINING (FCMT), PE27701F; Combat Air Forces Aircrew Training Devices		0		0.000	0		0.000	7		25.857	6		49.072
TRAINING, PE41897F Mobility Air Forces Training Devices		0		0.000	0		0.000	45		76.039	37		41.459
SUPPORT COST SUBTOTAL										101.896			90.531
TOTAL PROGRAM										101.896			90.531

Comments

- FCMT: FY 08 funding supports acquisition of seven A-10C Full Missions Trainers (FMT). FY09 - \$39.4M will support the acquisition of 6 F-16 block 50 trainers. These trainers will replace capability currently provided by Training Simulation Services contracts in accordance with direction provided by FY 07 NDAA. In addition, \$10.0M will be converted to BA 5 in FY 09 to support modifications of 2 B-2 (RADAR mods) and 3 B-52 Trainers (Electronic Mods).

- TRAINING FY08 funding supports the acquisition of 2 C-17 Sim Generators (\$2.4M); 1 C-17 Weapon System Trainer (\$23.8M); 7 C-5 Sim Threat Generators (\$6.4M); 19 AMC C-130 Sim Training Devices (\$2.7M); 1 KC-135 Boom Operator Trainer (\$6.7M); 12 C-17 Loadmaster visual systems (\$10.9M); and 3 C-5 Simulator Visual Systems (\$3.1M). FY 09 funding supports the acquisition of 5 C-17 Sim Generators (\$4.4M); 1 C-17 Weapon System Trainer (\$24.3M); 2 C-5 Sim Threat Generators (\$1.2M); Distributed Mission Operations (DMO) capability for 25 C-5 and C-17 simulators (\$6.3M); 1 C-17 Cargo Load Trainer (\$1.7M); and C-5 Simulator Visual Systems (\$3.5M).

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**FY 2008/2009 BUDGET ESTIMATES**  
**BP 14 – INDUSTRIAL PREPAREDNESS**  
**FEBRUARY 2007**

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<b>Exhibit P-40, Budget Item Justification</b>								Date: February 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 76</b>								P-1 Line Item Nomenclature <b>Industrial Responsiveness</b>				
Program Element for Code B Items:			N/A			Other Related Program Elements:			N/A			
	ID Code	Prior Years	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A											0
Total Proc Cost (\$ M)			21.919	23.438	23.942	24.621	25.230	25.567	26.085	26.618		197.420

**Description**

1. The Air Force Industrial Preparedness program element combines the resources of several appropriations (APAF, MPAF, OPAF, O&M, and RDT&E) to create a comprehensive program that ensures the defense industry can supply reliable, affordable systems to operational commanders. The Aircraft Procurement (APAF) part of Industrial Preparedness supports the following: 1) management of government-owned industrial plants; and 2) management of industrial base planning activities and compliance with the Defense Production Act.

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

Industrial Facility cost elements (MPCs 1000, 3000, 7000, and 9000): Provide for repair and expansion, major rehabilitation, environmental compliance, equipment movement, and energy conservation at Air Force-owned-contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, U-2, F-16, C-130, C-5B, F-117, and F-22.

Industrial Planning cost element (MPC 6000): Provides for the identification/analysis of critical aircraft industrial base problems/constraints (e.g., diminishing manufacturing sources material shortages -- on the B-1B, B-52, F-15, C-5, and C-141 fielded systems, as well as on the F-16, F-22, C-17, and C-130 systems in production). Supports Air Force management of the Defense Priorities and Allocations System (Title I, Defense Production Act). Provides timely and accurate industrial base information to support Air Force decisions on: 1) aircraft weapon system acquisition risks; 2) budget allocation 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 2008 Program Justification**

MPC 7000 Environmental Compliance is the major cost driver in FY08, with MPC 3000 Capital Type Rehabilitation and 6000 Industrial Base Assessment experiencing some costs as well.

**FY 2009 Program Justification**

For FY09 this program element will have more of the same, similiar to FY08 with MPC 7000 Environmental Compliance leading the way as the major cost driver in FY08, with MPC 3000 Capital Type Rehabilitation and MPC 6000 Industrial Base Assessment experiencing some costs as well.

<b>Exhibit P-5, Weapon System Cost Analysis</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 76</b>	P-1 Line Item Nomenclature <b>Industrial Responsiveness</b>

Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY 2006			FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics	A												
Armament	A												
Software	A												
Other Government Furnished Equipment (GFE)	A												
Engineering Change Orders (ECO)	A												
Nonrecurring Costs	A												
Other Costs	A												
<b>FLYAWAY COST SUBTOTAL</b>													
Airframe Peculiar Ground Support Equipment (PGSE)	A												
Engine PGSE	A												
Peculiar Training Equipment	A												
Publications/Technical Data	A												
ECOs	A												
Other	A												
<b>SUPPORT COST SUBTOTAL</b>													
Capital Type Rehabilitation (MPC 3000)	A			7.230			7.848			8.296			8.474
Replacement & Modernization (MPC 4000)	A			0.000			0.000			0.000			0.000
Industrial Base Assessment (MPC 6000)	A			3.351			3.564			3.124			3.229
Environmental Compliance (MPC 7000)	A			11.338			12.026			12.522			12.918
Pollution Prevention	A												
<b>TOTAL PROGRAM</b>				<b>21.919</b>			<b>23.438</b>			<b>23.942</b>			<b>24.621</b>

Comments

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**FY 2008/2006 BUDGET ESTIMATES**

**BP 17 – WAR CONSUMABLES**

**FEBRUARY 2007**

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES				<b>P-1 NOMENCLATURE:</b> WAR CONSUMABLES (OVERVIEW)				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$24,100	\$25,345	\$86,707	\$81,411	\$138,912	\$165,073	\$117,534	\$120,609
<p><b>Description:</b></p> <ol style="list-style-type: none"> <li>1. This program provides funding for the procurement of initial/replacement War Consumables, and includes commodities such as Missile Rail Launchers, Radio Frequency (RF) (expendable) Towed Decoys, Fiber Optic Towed Decoys (FOTD), and Aerial Target Drone (ATD) rocket motors. These items support War Reserve Materiel (WRM) requirements and fleet inventory objectives across multiple weapon systems.</li> <li>2. Budget increase in FY08 reflects initial Miniature Air Launched Decoy (MALD) production.</li> <li>3. Items to be procured in FY08 are listed on the attached P-40A. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</li> </ol>								
	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 1			Page 1 of 1		

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

**DATE:** FEBRUARY 2007

**APPROP CODE/BA:**  
APAF/WAR CONSUMABLES

**P-1 NOMENCLATURE:**  
WAR CONSUMABLES (OVERVIEW)

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
WAR CONSUMABLES (OVERVIEW)									
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	A	851	\$20,531	714	\$21,526	611	\$19,303	611	\$20,276
MINIATURE AIR LAUNCHED DECOY	A					150	\$63,405	150	\$56,988
ITEMS LESS THAN \$5 MILLION	A		\$3,569		\$3,819		\$3,999		\$4,147
<b>TOTALS:</b>			\$24,100		\$25,345		\$86,707		\$81,411

**Remarks:**

Cost information is in thousands of dollars.

**P-1 ITEM NO**  
77

**PAGE NO:**  
2

Page 1 of 1

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES				<b>P-1 NOMENCLATURE:</b> ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$20,531	\$21,526	\$19,303	\$20,276	\$21,325	\$22,470	\$23,603	\$24,809
<p><b>Description:</b></p> <p>1. The Advanced Airborne Expendable Decoy (AAED) is part of the ALE-50 Radio Frequency (RF) towed decoy system integrated into the F-16 and B-1B aircraft. The ALE-50 significantly enhances aircraft countermeasure capabilities against modern RF 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 B-1B are the AAED, magazine, launcher, multi-platform launch controller and farings.</p> <p>2. Failure to procure the AAED impacts sustainment of projected wartime sortie rates, impeding mission accomplishment.</p>								
	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 3		Page 1 of 1			

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<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)</b>	DATE: FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES	<b>P-1 NOMENCLATURE:</b> ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DECOY	A	851	\$20,531	714	\$21,526	611	\$19,303	611	\$20,276
TOTALS:		851	\$20,531	714	\$21,526	611	\$19,303	611	\$20,276

**Remarks:**  
Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 4	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES				<b>P-1 NOMENCLATURE:</b> ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
DECOY										
FY2006(1)	851	\$24,126	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Aug-06	Oct-07			
FY2007(1)	714	\$30,148	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-07	Oct-08	Yes		
FY2008(1)	611	\$31,592	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-08	Aug-09	Yes		
FY2009(1)	611	\$33,185	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-09	May-10	Yes		
<p><b>Remarks:</b>                      Cost information is in actual dollars.</p> <p>(1) Contract has an FY04 base year with ten option years.</p>										
<b>P-1 ITEM NO</b> 77			<b>PAGE NO:</b> 5			Page 1 of 1				

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>						<b>DATE:</b> FEBRUARY 2007		
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES			<b>P-1 NOMENCLATURE:</b> MINIATURE AIR LAUNCHED DECOY					
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>			150	150	375	495	325	335
<b>COST</b> (in Thousands)	\$0	\$0	\$63,405	\$56,988	\$113,339	\$138,299	\$89,542	\$91,323
<p><b>Description:</b></p> <p>1. The Miniature Air Launch Decoy (MALD) and MALD Jammer (MALD-J) configurations are key enablers supporting Air Force Global Strike, Global Response, Space and C4ISR, and Air and Space Expeditionary Force Concepts of Operation. Both MALD and MALD-J are budgeted in this project. MALD is a low cost, powered, expendable decoy designed to represent the kinematics and radar signature characteristics of various combat aircraft. The MALD will be employed from various aircraft platforms to stimulate, saturate, and deceive integrated air defense systems (IADS) thus increasing the survivability of strike aircraft. MALD-J will provide stand-in jamming capability for Airborne Electronic Attack Systems. MALD-J will be launched against a preplanned target and will jam specific radars in a stand-in role to degrade or deny the IADS detection of friendly aircraft or munitions. MALD-J will be able to operate in both decoy and jammer modes.</p> <p>2. The development of this program is funded in Program Element Code 0604270F (Electronic Warfare Development), Budget Program Activity Code 8462 (Airborne Electronic Attack).</p> <p>3. This item is procured through the Air Armament Center, Eglin AFB, FL.</p>								
	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 6		Page 1 of 1			

# UNCLASSIFIED

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)									DATE: FEBRUARY 2007				
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: MINIATURE AIR LAUNCHED DECOY									
WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MALD	A							150	\$251,053	\$37,658	150	\$248,267	\$37,240
PRODUCTION SUPPORT													
PRODUCTION SUPPORT EQUIPMENT										\$13,695			\$4,636
ECO/ECP										\$7,962			\$11,358
CONTRACTOR SUPPORT										\$815			\$832
DATA/TRAINING										\$1,990			\$1,647
PROGRAM MANAGEMENT ADMINISTRATION										\$1,285			\$1,275
TOTALS:								150		\$63,405	150		\$56,988
<p><b>Remarks:</b> Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 77				PAGE NO: 7				Page 1 of 1					

# UNCLASSIFIED

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES				<b>P-1 NOMENCLATURE:</b> MINIATURE AIR LAUNCHED DECOY						
ITEM NAME/ 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										
FY2008(1)	150	\$251,053	AFMC/AAC	OPT/FPIS	RAYTHEON/TUCSON, AZ	Mar-08	Jan-09	Yes		
FY2009(2)	150	\$248,267	AFMC/AAC	SS/FFPW/OPT	RAYTHEON/TUCSON, AZ	Mar-09	Jan-10	Yes		
<p><b>Remarks:</b>                      Cost information is in actual dollars.</p> <p>(1) FY08 will exercise the first of three production options to the System Design and Development (SDD) Contract. The SDD contract has an FY02 base year.</p> <p>(2) FY09 will exercise the second of three production options to the SDD Contract.</p>										
			<b>P-1 ITEM NO</b> 77			<b>PAGE NO:</b> 8				Page 1 of 1

# UNCLASSIFIED

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<b>BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)</b>							<b>DATE:</b> FEBRUARY 2007	
<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES				<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5 MILLION				
	<b>FY2006</b>	<b>FY2007</b>	<b>FY2008</b>	<b>FY2009</b>	<b>FY2010</b>	<b>FY2011</b>	<b>FY2012</b>	<b>FY2013</b>
<b>QUANTITY</b>								
<b>COST</b> (in Thousands)	\$3,569	\$3,819	\$3,999	\$4,147	\$4,248	\$4,304	\$4,389	\$4,477
<p><b>Description:</b></p> <p>1. The "Items Less Than \$5 Million" line includes commodities such as aerial target rocket motors. These items are applicable across multiple weapon systems. These initial/replacement War Consumable requirements ensure continuation of serviceable, supportable equipment over the life of a weapon system.</p> <p>2. All items have an annual procurement value of less than \$5 million and are code A. Items requested in FY08 are identified on the following P-40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>								
	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 9		Page 1 of 1			

# UNCLASSIFIED

# UNCLASSIFIED

<b>BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)</b>	<b>DATE:</b> FEBRUARY 2007
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<b>APPROP CODE/BA:</b> APAF/WAR CONSUMABLES	<b>P-1 NOMENCLATURE:</b> ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	NSN	FY2008		FY2009	
		QTY.	COST	QTY.	COST
REEFING LINE CUTTER		3,920	\$341	3,743	\$341
TITAN 40C RATO & INITIATOR		690	\$2,316	702	\$2,474
MK-17 IGNITER		4,297	\$662	4,097	\$664
MK44 IMPULSE CART		3,934	\$681	3,675	\$669
TOTALS:			\$3,999		\$4,147

**Remarks:**  
Cost information is in thousands of dollars.

	<b>P-1 ITEM NO</b> 77		<b>PAGE NO:</b> 10	Page 1 of 1
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**UNCLASSIFIED**

**FY 2008/2009 BUDGET ESTIMATES  
BP 19 – OTHER PRODUCTION CHARGES  
FEBRUARY 2007**

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<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity , , Item No. 78</b>	P-1 Line Item Nomenclature <b>Other Production Charges</b>
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	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty								
Total Proc Cost (\$ M)	676.978	452.701	683.080	607.506	988.777	1331.955	1122.823	1021.843

**Description**

The Miscellaneous Production Charges program provides for items which, are not directly related to other procurement line items in this appropriation, cannot be reasonably allocated and charged to other procurement line items in this appropriation, can be managed as separate end items, may contain certain classified programs, and may be alternate mission equipment, not considered a modification, for out of production systems.

## UNCLASSIFIED

Exhibit P-40A, Budget Item Justification for Aggregated Items		Date: February 2007		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number		P-1 Line Item Nomenclature		
Aircraft Procurement, Air Force, Budget Activity , , Item No. 78		Miscellaneous Production Charges		
Procurement Items (\$M)	FY 2006	FY 2007	FY 2008	FY 2009
B-2 Squadrons	0.000	0.000	0.000	19.759
EW Equipment Sustainment	4.915	4.831	19.449	41.798
Manned Destructive Suppression	16.917	8.634	10.129	10.216
F-22A Squad	48.105	44.900	110.977	124.648
Joint Helmet Mounted Cueing System	0.000	0.000	8.498	0.000
F-22	41.390	45.731	33.431	34.017
Advanced Targeting Pods	64.389	63.695	105.444	118.840
Combat Training Range Equipment	26.918	7.634	15.529	15.780
Electronic Warfare Integrated Reprogramming (EWIR)	2.825	2.727	3.107	3.277
Classified Programs	362.018	173.423	237.976	176.562
Aerial Targets	4.926	5.063	5.575	5.199
NAVSTAR Global Positioning System (GPS) User Equipment	11.521	9.969	12.593	16.078
C-130 Airlift Squadrons	11.058	0.000	0.000	0.000
C-5 Airborne Broadcast Intelligence/Combat Track II	1.220	1.213	1.372	1.410
C-5 AMP	0.000	0.000	23.744	7.503
KC-135 Airborne Broadcast Intelligence (ABI)	1.414	1.405	1.591	1.636
C-17 (ANG)	1.384	1.333	1.484	1.496
Pollution Prevention	2.306	2.220	2.468	2.537
Undergraduate Navigator (SECT)	1.911	0.000	5.819	0.000
Joint National Training Capability	2.915	2.770	0.057	0.075
NATO AWACS Modernization	70.846	77.153	83.837	6.047
C-17 AIRCRAFT	0.000	0.000	0.000	20.628
Total Adjustments	676.978	452.701	683.080	607.506

P-1 Shopping List Item No. 78

Budget Item Justification for Aggregated Items  
Exhibit P-40A, page 2 of 24

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**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 05, Modification of Inservice Aircraft, Item No. 10</b>	P-1 Line Item Nomenclature <b>B-2 Squadrons</b>

**FY 2008 PRESIDENT'S BUDGET  
B-2 SQUADRONS FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** B-2 Squadrons

**MODELS OF AIRCRAFT APPLICABLE:**

**DESCRIPTION/JUSTIFICATION:** These funds will be used to fund Depot Activation initiation of B-2 components as directed by HQ AFMC via the Source of Repair Assignment Process (SORAP). Depot Activation of the following efforts is currently scheduled in FY 09/10/11: These efforts include but are not limited to, Avionics, Receiver-Exciter, TPSs, PTS, RDP/RSP, DDU and parts.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	0.000	0.000	0.000	19.540
				19.540

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 20</b>	P-1 Line Item Nomenclature <b>EW Equipment Sustainment</b>

**FY 2008 PRESIDENT'S BUDGET  
EW EQUIPMENT SUSTAINMENT FACT SHEET  
(Dollars in Millions)**

<b>PROJECT TITLE:</b>	EW Equipment Sustainment			
<b>MODELS OF AIRCRAFT APPLICABLE:</b>	A-10, F-16			
<b>DESCRIPTION/JUSTIFICATION:</b>	Program provides sustainment/modernization of ALQ-131 and 184 EW pods (primary self-protection equipment for A-10s and F-16s) and related support equipment.			
<b>PROJECTED FINANCIAL PLAN:</b>				
<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
	4.915	4.831	19.449	41.798
<b>TOTAL COST</b>	4.915	4.831	19.449	41.798

Exhibit P-1900, P-1900

Date: February 2007

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

P-1 Line Item Nomenclature

**Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 20**

**Manned Destructive Suppression**

**FY 2008 PRESIDENT'S BUDGET  
MANNED DESTRUCTIVE SUPPRESSION FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Manned Destructive Suppression

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

**DESCRIPTION/JUSTIFICATION:** The AN/ASQ-213 pod is the key component of the HARM Targeting System (HTS). The HTS pod senses radar emissions and provides targeting information to the F-16 Block 50/52 pilot and the HARM Missile. This permits launch using the missiles' most lethal 'range known' mode. The F-16 HTS provides the only USAF HARM Suppression of Enemy Air Defenses (SEAD) capability. HTS Release (R7) is the latest version and includes multi-ship precision geolocation targeting which adds the capability to provide targeting information for satellite guided precision munitions. The Air Force has a 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. In FY 2001, 31 new HTS Release 6 (R6) configured pods were procured. FY 2006 funds procured 22 HTS R7 pods. Funds are programmed in FY 2007 - FY 2009 to procure approximately 27 additional HTS R7 pods towards achieving a 1.1 to 1.0 ratio of HTS pods to F-16 Block 50/52 combat-ready aircraft.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	16.917	8.634	10.129	10.216
	16.917	8.634	10.129	10.216

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 40</b>	P-1 Line Item Nomenclature <b>F-22A Squad</b>

**FY 2008 PRESIDENT'S BUDGET  
F-22A SQUAD FACT SHEET  
(Dollars in Millions)**

<b>PROJECT TITLE:</b>	F-22A Squad			
<b>MODELS OF AIRCRAFT APPLICABLE:</b>	F-22A			
<b>DESCRIPTION/JUSTIFICATION:</b>	Depot Core Activation - requirements to activate the F-22 core capability by partnering with ALCs.			
<b>PROJECTED FINANCIAL PLAN:</b>				
<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	48.105	44.900	110.977	124.648
	48.105	44.900	110.977	124.648

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity , , Item No. 40</b>	P-1 Line Item Nomenclature <b>Joint Helmet Mounted Cueing System</b>

**FY 2008 PRESIDENT'S BUDGET  
JHMCS (JOINT HELMET MOUNTED CUEING SYSTEM FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Joint Helmet Mounted Cueing System

**MODELS OF AIRCRAFT APPLICABLE:** F-15 C/D/E, F-16 Blk 25/30/40/50

**DESCRIPTION/JUSTIFICATION:** JHMCS is a joint Air Force/Navy program (Air Force is the lead service) to develop and field a helmet display system capable of depicting aircraft heading data, pilot's viewing perspective, target indication tracking/cueing, and other information on the aircrew visor to enhance pilot situational awareness. This display allows the pilot to quickly align platform sensors and weapons on targets, and engage threats using high off-boresight (HOBS) weapons such as the AIM-9X. This funding procures the equipment to establish the initial organic depot at WR-ALC and Crane.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>	0.000	0.000	8.498	0.000
<b>TOTAL COST</b>	0.000	0.000	8.498	0.000

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 60</b>	P-1 Line Item Nomenclature <b>F-22</b>
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**FY 2008 PRESIDENT'S BUDGET  
F-22 FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** F-22

**MODELS OF AIRCRAFT APPLICABLE:** F-22A

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

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
F-22A	41.390	45.731	33.431	34.017
<b>TOTAL COST</b>	41.390	45.731	33.431	34.017

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 70</b>	P-1 Line Item Nomenclature <b>Advanced Targeting Pods</b>

**FY 2008 PRESIDENT'S BUDGET  
PRECISION ATTACK SYSTEMS PROCUREMENT FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Advanced Targeting Pods

**MODELS OF AIRCRAFT APPLICABLE:** F-16, F-15E, A-10, B-52, B-1

**DESCRIPTION/JUSTIFICATION:** Advanced Targeting Pods (ATPs) provide long-range target acquisition and expanded weapon delivery envelopes for greater aircraft survivability. ATPs feature third generation forward looking infrared (FLIR) sensor, charged coupled device television (CCD-TV), improved laser capability, laser spot tracker (LST), infrared (IR) marker, and real-time video transfer connectivity with ground forces. Greater aircraft standoff, improved resolution, eye safe laser, high system reliability and smaller deployment footprint give ATPs a greater combat effectiveness across several mission areas, including suppression/destruction of enemy air defenses (SEAD/DEAD), precision air interdiction, close air support (CAS), non-traditional intelligence, surveillance and reconnaissance (NTISR), and time-sensitive targeting. The video downlink (VDL) upgrade to ATPs provides ground forces improved combat identification (CID) effectiveness resulting in quicker kills with reduced collateral damage and fratricide. Laser Infrared Targeting and Navigating (LITENING) Advance Technology (AT) and Sniper Extended Range (XR) are ATPs currently used by the active duty, Air National Guard (ANG), and Air Force Reserve Command (AFRC).

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	64.389	63.695	105.444	118.840

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80</b>	P-1 Line Item Nomenclature <b>Combat Training Range Equipment</b>

**FY 2008 PRESIDENT'S BUDGET  
COMBAT TRAINING RANGE EQUIPMENT FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Combat Training Range Equipment

**MODELS OF AIRCRAFT APPLICABLE:** A-10, F-15, F-16, F-22A, F-35, B-52, B-1, B-2

**DESCRIPTION/JUSTIFICATION:** This item provides aircraft equipment for air combat training including the procurement of the P5 Combat Training System (P5CTS). P5CTS is a cooperative AF/Navy program to provide test, training, and evaluation of AF and Navy aircrews. It also provides the capability for operational testing of weapon systems and tactics under simulated combat conditions. The P5CTS system provides the capability to train aircrews in air-to-air, air-to-ground, and ground-to-air combat, as well as electronic warfare during joint force exercises and distributed mission operation training. FY08 will continue the procurement/fielding and support of the P5CTS.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
Air Combat Training Systems (ACTS)				
-- P5 Combat Training Systems (P5CTS)	13.668	4.934	15.529	15.780
-- Other Legacy ACTS Systems	0.250			
-- Hurricane supplemental funds for P5CTS	13.000			
-- Congressional Add (Montana 120th FW)		2.700		
<b>PENDING PROGRAM CHANGES:</b>				
<b>TOTAL COST</b>	26.918	7.634	15.529	15.780

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 90</b>	P-1 Line Item Nomenclature <b>Electronic Warfare Integrated Reprogramming (EWIR)</b>
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**FY 2008 PRESIDENT'S BUDGET  
ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR) FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Electronic Warfare Integrated Reprogramming (EWIR)

**MODELS OF AIRCRAFT APPLICABLE:** Multiple A/C

**DESCRIPTION/JUSTIFICATION:** This program funds equipment and aircraft sytem components for the EW Avionics Integrated Support Facility (EWASIF) to provide critical reprogramming of EW systems for all Air Force and Foreign Military Sales customers.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	2.825	2.727	3.107	3.277
	2.825	2.727	3.107	3.277

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<b>Exhibit P-1900, P-1900</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 82</b>	P-1 Line Item Nomenclature <b>Classified Programs</b>
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**FY 2008 PRESIDENT'S BUDGET  
CLASSIFIED PROGRAMS FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:**

Classified Programs

**MODELS OF AIRCRAFT APPLICABLE:**

N/A

**DESCRIPTION/JUSTIFICATION:**

Details of this program are available on a need-to-know basis.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	362.018	173.423	237.976	176.562
	362.018	173.423	237.976	176.562

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 110</b>	P-1 Line Item Nomenclature <b>Aerial Targets</b>

**FY 2008 PRESIDENT'S BUDGET  
AERIAL TARGETS FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Aerial Targets

**MODELS OF AIRCRAFT APPLICABLE:** QF-4, BQM-34, BQM-167A

**DESCRIPTION/JUSTIFICATION:** Program procures ALQ-188B and DLQ-9 electronic attack pods for target drones. Pods simulate threat aircraft electronic countermeasures and jamming capabilities.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
ALQ-188B and DLQ-9 electronic attack pods	4.926	5.063	5.575	5.199
<b>TOTAL COST</b>	4.926	5.063	5.575	5.199

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 120</b>	P-1 Line Item Nomenclature <b>NAVSTAR Global Positioning System (GPS) User Equipment</b>
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**FY 2008 PRESIDENT'S BUDGET  
NAVSTAR GLOBAL POSITIONING SYSTEM (GPS) USER EQUIPMENT FACT SHEET  
(Dollars in Millions)**

<b>PROJECT TITLE:</b>	NAVSTAR Global Positioning System (GPS) User Equipment			
<b>MODELS OF AIRCRAFT APPLICABLE:</b>	A-10A,B-1B, B-2A,B-52H,C-5A/B/C,C-17A,C-20A/B/H,C-21A,C-38A, C-130, C-141B/C, C/KC-135, CV-22,VC-25A,E-3B/C, E-4B, E-8C, E-9A, F-15C/D/E, F-16C/D, F-117A,F/A-22, HH-60,KC-10A, MH-53J/M, RC-135, RQ-1A,T-38C,T-43A,U-2S, UH-1N, Global Hawk, Predator			
<b>DESCRIPTION/JUSTIFICATION:</b>	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 appropriate software support, Diminishing Manufacturer Sources and Material Shortages (DMSMS) components, and test assets utilized in the sustainment phase of the GPS User Equipment life cycle. This program also includes production engineering and testing of UE modifications and pre-planned product improvements to these units.			
<b>PROJECTED FINANCIAL PLAN:</b>				
	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
Non-recurring/Integration	11.521	9.969	12.593	16.078
<b>TOTAL COST</b>	<b>11.521</b>	<b>9.969</b>	<b>12.593</b>	<b>16.078</b>

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 140</b>	P-1 Line Item Nomenclature <b>C-130 Airlift Squadrons</b>

**FY 2008 PRESIDENT'S BUDGET  
C-130 AIRLIFT SQUADRONS (JATO) FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** C-130 Airlift Squadrons

**MODELS OF AIRCRAFT APPLICABLE:** LC-130

**DESCRIPTION/JUSTIFICATION:** Procures 1500 Jet-Assisted-Takeoff rockets (Bottles). JATO bottles are used only by the ANG's LC-130 aircraft in their support of the National Science Foundation (NSF) in Antarctica and Greenland. These rockets are used to assist the LC-130 takeoff from the deep snow at some of the NSF's forward sites in Antarctica and Greenland.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>	11.058	0.000	0.000	0.000
<b>TOTAL COST</b>	11.058	0.000	0.000	0.000

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80</b>	P-1 Line Item Nomenclature <b>C-5 Airborne Broadcast Intelligence/Combat Track II</b>

**FY 2008 PRESIDENT'S BUDGET  
C-5 AIRBORNE BROADCAST INTELLIGENCE (ABI) FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** C-5 Airborne Broadcast Intelligence/Combat Track II

**MODELS OF AIRCRAFT APPLICABLE:** C-5

**DESCRIPTION/JUSTIFICATION:** Mobility Air Forces (MAF) aircraft are increasingly moving closer to the battle and operate within hostile environments while supporting refueling and troop/supply delivery missions. The Air Mobility Command (AMC) Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect MAF aircraft from hostilities during combat operations. To enhance mission safety during these combat operations, it is critical to provide aircrews timely and essential off-board information. Enabling real-time information in the cockpit allows mission adjustments in response to rapidly changing combat conditions while in-flight. The Airborne Broadcast Intelligence (ABI) and Combat Track II (CTII) systems provide real-time intelligence, situational awareness (national/theater intelligence and displays air/land/blue water threats), beyond line-of-sight C2 data, and secure text messaging enabling aircrews to receive updated threat and mission information. To limit system implementation costs, ABI/CTII are roll-on/roll-off systems enabling immediate employment on all MAF aircraft. Without real-time information and C2 communications in the cockpit, MAF aircraft will be forced to continue to operate without secure access to mission critical beyond line-of-sight C2 and situational/threat awareness leaving them vulnerable to enemy threats and hostile actions. These systems are interchangeable between all MAF aircraft.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	1.220	1.213	1.372	1.410

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80.1</b>	P-1 Line Item Nomenclature <b>C-5 AMP</b>

**FY 2008 PRESIDENT'S BUDGET  
C-5 AMP FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:**

C-5 AMP

**MODELS OF AIRCRAFT APPLICABLE:**

**DESCRIPTION/JUSTIFICATION:**

674495: Avionics Modernization Program (AMP): Phase I of an Air Force planned two-phase modernization effort for the C-5 (Phase II is the Reliability Enhancement and Re-engining Program (RERP) . AMP implements communication, navigation, surveillance/air traffic management (CNS/ATM) [formerly, Global Air Traffic Management (GATM)] and navigation/safety capability and the All Weather Flight Control System (AWFCS). It installs Deputy Secretary of Defense (DepSecDef) directed navigation/safety equipment: Terrain Awareness and Warning System (TAWS) and Traffic Alert and Collision Avoidance System (TCAS), reducing the threat of controlled flight into terrain and mid-air collisions. CNS/ATM capability requirements will be incorporated into the aircraft to meet current and future International Civil Aviation Organization (ICAO)/Federal Aviation Administration (FAA) requirements and to progress towards free flight capability. The AWFCS portion of AMP replaces low reliability line replaceable units (LRUs) in the automatic flight control system and replaces aging, non-supportable mechanical instruments in the engine and flight systems. Connectivity to mobility command and control capabilities will also be incorporated in the AMP design. The TCAS portion was accelerated ahead of the rest of the AMP mod and was completed 31 Oct 02.

Depots at Robins AFB (730 ACSG), Tinker AFB (OC-ALC), and Hill AFB (OO-ALC) will provide organic depot support for various aspects of the C-5 AMP avionics package. This funding will be used to procure items required to stand-up depot support capability for C-5 AMP aircraft at these locations.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	0.000	0.000	23.744	7.503

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 160</b>	P-1 Line Item Nomenclature <b>KC-135 Airborne Broadcast Intelligence (ABI)</b>

**FY 2008 PRESIDENT'S BUDGET  
KC-135 AIRBORNE BROADCAST INTELLIGENCE (ABI) FACT SHEET  
(Dollars in Millions)**

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

**MODELS OF AIRCRAFT APPLICABLE:** KC-135

**DESCRIPTION/JUSTIFICATION:** Mobility Air Forces (MAF) aircraft are increasingly moving closer to the battle and operate within hostile environments while supporting refueling and troop/supply delivery missions. The Air Mobility Command (AMC) Airlift and Air Refueling Mission Area Plans identified a deficiency in the ability to protect MAF aircraft from hostilities during combat operations. To enhance mission safety during these combat operations, it is critical to provide aircrews timely and essential off-board information. Enabling real-time information in the cockpit allows mission adjustments in response to rapidly changing combat conditions while in-flight. The Airborne Broadcast Intelligence (ABI) and Combat Track II (CTII) systems provide real-time intelligence, situational awareness (national/theater intelligence and displays air/land/blue water threats), beyond line-of-sight C2 data, and secure text messaging enabling aircrews to receive updated threat and mission information. To limit system implementation costs, ABI/CTII are roll-on/roll-off systems enabling immediate employment on all MAF aircraft. Without real-time information and C2 communications in the cockpit, MAF aircraft will be forced to continue to operate without secure access to mission critical beyond line-of-sight C2 and situational/threat awareness leaving them vulnerable to enemy threats and hostile actions. These systems are interchangeable between all MAF aircraft.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
<b>TOTAL COST</b>	1.414	1.405	1.591	1.636
	1.414	1.405	1.591	1.636

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 170</b>	P-1 Line Item Nomenclature <b>C-17 (ANG)</b>

**FY 2008 PRESIDENT'S BUDGET  
C-17 FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** C-17 (ANG)

**MODELS OF AIRCRAFT APPLICABLE:** C-17

**DESCRIPTION/JUSTIFICATION:** Funds will provide Modern Intermediate Level Teststand (MILT) and peculiar supply equipment for maintenance training devices for the C-17 strategic airlift squadrons (ANG).

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
	1.384	1.333	1.484	1.496
<b>TOTAL COST</b>	1.384	1.333	1.484	1.496

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 180</b>	P-1 Line Item Nomenclature <b>Pollution Prevention</b>

**FY 2008 PRESIDENT'S BUDGET  
POLLUTION PREVENTION FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:**

Pollution Prevention

**MODELS OF AIRCRAFT APPLICABLE:**

N/A

**DESCRIPTION/JUSTIFICATION:**

Installations and Government Owned, Contractor Operated (GOCO) facilities throughout the Air Force require and are authorized equipment, facility projects, and services that must be acquired to accomplish the DoD and Air Force pollution prevention goals. These goals are a direct result of the Pollution Prevention Act of 1990, Montreal Protocol, Executive Order 12856 and 12873, the DoD Comprehensive Pollution Prevention Strategy, and the Air Force Pollution Prevention Strategy. This budget item identifies the pollution prevention initiatives required to reduce and prevent harmful releases of hazardous and toxic materials to the air, land, and water. It includes requirements such as refrigerant recovery equipment, recycling equipment, efforts to reduce solid waste generation, enhance hazardous material management practices, hazardous waste minimization efforts, and opportunity assessments to identify pollution prevention opportunities.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	2.306	2.220	2.468	2.537
	2.306	2.220	2.468	2.537

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 190</b>	P-1 Line Item Nomenclature <b>Undergraduate Navigator (SECT)</b>

**FY 2008 PRESIDENT'S BUDGET  
T-38 UNDERGRADUATE NAVIGATION FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Undergraduate Navigator (SECT)

**MODELS OF AIRCRAFT APPLICABLE:** N/A

**DESCRIPTION/JUSTIFICATION:** FY2006 funds were used to upgrade the T25 Simulator for Electronic Combat Training (SECT), which is used to train all USAF Electronic Warfare (EW) Officers. The SECT does not emulate a specific aircraft, but rather teaches electronic threat recognition and reaction procedures applicable to a variety of aircraft. The original SECT was designed in the early 1990s as a proprietary based trainer using mini-computers and workstations. Most hardware is now obsolete and is no longer supported by the vendor. Secondary sources do not exist for some hardware items, and secondary sources are also becoming scarce for other hardware items. Per AETC Test 99-02F T25 Force Development Evaluation Report, the SECT is "not operationally effective" because of inadequate memory, disk space and processing power. Existing hardware memory and processing power cannot be increased to build complex, realistic, up-to-date training scenarios. A non-proprietary, open-architecture trainer would provide reliability and required growth capability to accommodate dynamic EW training environment. FY2008 funds will be used to acquire eight additional T25 SECT simulators for use in Air Force Combat Systems Officer (CSO) training.

**PROJECTED FINANCIAL PLAN:**

<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	1.911	0.000	5.819	0.000
	1.911	0.000	5.819	0.000

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity , , Item No. 200</b>	P-1 Line Item Nomenclature <b>Joint National Training Capability</b>

**FY 2008 PRESIDENT'S BUDGET  
JOINT NATIONAL TRAINING CAPABILITY FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** Joint National Training Capability

**MODELS OF AIRCRAFT APPLICABLE:** A-10, F-15, F-16, F/A-22, F-35, B-52, B-1, B-2

**DESCRIPTION/JUSTIFICATION:** This item provides aircraft equipment for the Joint National Training Capability (JNTC). This includes the procurement of airborne instrumentation systems to support joint and multi-service requirements to enhance training realism. Capabilities include Time-space Position Information (TSPI) and exercise recording for aircrew debriefing/feedback. The purpose is to provide deployable systems to support training worldwide where existing tracking capability for participating aircraft is minimal. FY06 procures the P5 Combat Training System (P5CTS).

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
Joint National Training Capability				
-- P5 Combat Training Systems (P5CTS) Pods	2.915	2.770	0.057	0.075
<b>TOTAL COST</b>	2.915	2.770	0.057	0.075

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 210</b>	P-1 Line Item Nomenclature <b>NATO AWACS Modernization</b>

**FY 2008 PRESIDENT'S BUDGET  
NATO AWACS MODERNIZATION FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** NATO AWACS Modernization

**MODELS OF AIRCRAFT APPLICABLE:** E-3A

**DESCRIPTION/JUSTIFICATION:** NATO E-3 aircraft provide air and maritime surveillance and air control for allied forces in the NATO area of operations. This project provides the U.S. share of the total NATO Airborne Early Warning and Control Modernization Program and modernization efforts. The modernization program includes but is not limited to the NATO Mid-Term (NMT) project, the Large Aircraft Infrared Counter-Measures (LAIRCM) project, and future projects. The NMT project upgrades the mission computers, provides improved man-machine interfaces, Multi-Sensor Integration (MSI), digital communications, satellite communications, and adds 5 new consoles to the aircraft. These Mid-Term projects will update the NATO E-3 aircraft with capabilities to maintain fleet operational effectiveness and interoperability well into the 21st century. The LAIRCM project installs a self-defense capability into the NATO E-3 fleet enabling contingency operations, to include participation in the NATO Response Force (NRF), beyond NATO Area of Operations while continuing to maintain a level of security for the aircraft. Future modernization projects may include but are not limited to Communications Navigation Surveillance/Air Traffic Management (CNS/ATM), Mode 5, and Enhanced Mode S. These future projects will enable the aircraft to operate in all types of civil airspace, meet the military requirements for Identification Friend or Foe Interrogation and sustain the NATO fleet for the future needs of NATO. Fiscal Year Defense Plan funding provides the required U.S. contribution for the projects defined by the NATO AEW&C Board of Directors and approved by the U.S. government.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
NATO AWACS-Near/Mid Term	70.846	77.153	83.837	6.047
<b>TOTAL COST</b>	70.846	77.153	83.837	6.047

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 78</b>	P-1 Line Item Nomenclature <b>C-17 AIRCRAFT</b>

**FY 2008 PRESIDENT'S BUDGET  
C-17 AIRCRAFT FACT SHEET  
(Dollars in Millions)**

<b>PROJECT TITLE:</b>	C-17 AIRCRAFT			
<b>MODELS OF AIRCRAFT APPLICABLE:</b>	C-17			
<b>DESCRIPTION/JUSTIFICATION:</b>	This activity is for the Depot Activation of the C-17 system at the three USAF Air Logistic Centers.			
<b>PROJECTED FINANCIAL PLAN:</b>				
<b>BASIS FOR COST ESTIMATE:</b>	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>TOTAL COST</b>	0.000	0.000	0.000	20.628
				20.628

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 79</b>	P-1 Line Item Nomenclature <b>DEPOT MODERNIZATION</b>
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	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty								
Total Proc Cost (\$ M)	0.000	1.365	0.000	0.000	0.000	0.000	0.000	0.000

**Description**

Depot Modernization provides new technology and state-of-the-art equipment to support the Air Force Depot Maintenance Strategy. Depot Modernization incorporates projects at each of the three Air Logistics Centers, and provides capability to meet current and future core requirements for avionics, instruments, oxygen components, software, fuel accessories and engines. Beginning in FY08 these funds are being transitioned out of BP19 and into the working capital fund, where the charges are more appropriate for this type of work. These tasks will continue unabated, however just not in BP19.

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 79</b>	P-1 Line Item Nomenclature <b>DEPOT MODERNIZATION</b>

**FY 2008 PRESIDENT'S BUDGET  
DEPOT MODERNIZATION FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:**

DEPOT MODERNIZATION

**MODELS OF AIRCRAFT APPLICABLE:**

A-10, B-1, B-2, B-52, C-5, C-17, C-130, E-3, E-6A, F-4, F-22, F-15, F-16, F-14, JSF, KC-135, T-37, T-38

**DESCRIPTION/JUSTIFICATION:**

Depot Modernization provides new technology and state-of-the-art equipment to support the Air Force Depot Maintenance Strategy. Depot Modernization incorporates projects at each of the three Air Logistics Centers, and provides capability to meet current and future core requirements for avionics, instruments, oxygen components, software, fuel accessories and engines. A multi-phased effort at OC-ALC will transform Bldg. 3001 into a state-of-the-art facility by implementing Lean/Cellular principles across the entire maintenance complex. The project incorporates a holistic approach, coupling Lean/Cellular design engineering with new and refurbished equipment that is key to achieving reduced flow days and increased throughput. The project includes design, shop floor preparations, new equipment purchase and refurbishment, equipment relocation and employee training. Similarly, the investment at OO-ALC is part of an overall Lean Manufacturing/Benchmarking effort that includes open-architecture state-of-the-art equipment and high velocity oxygen fuel thermal spray systems. WR-ALC projects transform outdated avionics integration software facility hardware/software to open industry standards. WR-ALC projects also include transformation of the metal bond process and the heat treat and sheetmetal manufacturing process.

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
Benchmarking with Contractor/Industry Leaders	0.000	1.365	0.000	0.000
<b>TOTAL COST</b>	<b>0.000</b>	<b>1.365</b>	<b>0.000</b>	<b>0.000</b>

**UNCLASSIFIED**

<b>Exhibit P-40, Budget Item Justification</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 84</b>	P-1 Line Item Nomenclature <b>DARP</b>
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	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty								
Total Proc Cost (\$ M)	125.651	12.953	27.881	21.235	11.108	9.089	0.000	0.000

**Description**

This program provides centralized funding for multi-Service and Air Force requirements to field future airborne reconnaissance systems. Information pertaining to DARP programs is classified and available on a need-to-know basis. However, efforts include Mission Planning Systems, Airframe, Synthetic Aperture Radar, Avionics, Data Links, Defensive System, Electro/Optical Sensors, Engines, Life Support and Signals Intelligence (SIGINT).

**UNCLASSIFIED**

<b>Exhibit P-1900, P-1900</b>	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number <b>Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 84</b>	P-1 Line Item Nomenclature <b>DARP</b>
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**FY 2008 PRESIDENT'S BUDGET  
DARP MODS FACT SHEET  
(Dollars in Millions)**

**PROJECT TITLE:** DARP

**MODELS OF AIRCRAFT APPLICABLE:** N/A

**DESCRIPTION/JUSTIFICATION:** Information pertaining to DARP programs is classified and available on a need-to-know basis. However, efforts include Mission Planning Systems, Airframe, Synthetic Aperture Radar, Avionics, Data Links, Defensive System, Electro/Optical Sensors, Engines, Life Support and Signals Intelligence (SIGINT).

**PROJECTED FINANCIAL PLAN:**

	<b>FY 2006</b>	<b>FY 2007</b>	<b>FY 2008</b>	<b>FY 2009</b>
<b>BASIS FOR COST ESTIMATE:</b>				
	125.651	12.953	27.881	21.235
<b>TOTAL COST</b>	125.651	12.953	27.881	21.235