

UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book

FY 2009 Budget Estimates



February 2008

**AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I**

OPR: SAF/FMB

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FEBRUARY 2008

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, spare parts, and accessories therefor; specialized equipment; expansion of public and private plants, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon prior to approval of title; reserve plant and Government and contractor-owned equipment layaway; and other expenses necessary for the foregoing purposes including rents and transportation of things, \$12,676,500,000 to remain available for obligations until September 30, 2011.

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FY 2009 BUDGET ESTIMATES

FEBRUARY 2008

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 2009 BUDGET ESTIMATES

FEBRUARY 2008

SECTION 3:

3010F AIRCRAFT, EXHIBIT P-1

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DEPARTMENT OF DEFENSE

FY 2009 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

25 JAN 2008

APPROPRIATION -----	FY 2007 -----	FY 2008 -----	FY 2009 -----
AIRCRAFT PROCUREMENT, AIR FORCE	15,816.6	11,991.8	12,676.5
PROCUREMENT OF AMMUNITION, AIR FORCE	1,043.6	749.0	894.5
MISSILE PROCUREMENT, AIR FORCE	4,115.1	4,945.4	5,536.7
OTHER PROCUREMENT, AIR FORCE	18,906.9	15,365.1	16,128.4
TOTAL Department of the Air Force	39,882.3	33,051.3	35,236.1

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Department of the Air Force

FY 2009 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

25 JAN 2008

APPROPRIATION -----	FY 2007 -----	FY 2008 -----	FY 2009 -----
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Department of the Air Force

FY 2009 PROCUREMENT PROGRAM

SUMMARY
(\$ IN MILLIONS)

25 JAN 2008

APPROPRIATION: AIRCRAFT PROCUREMENT, AIR FORCE

ACTIVITY -----	FY 2007 -----	FY 2008 -----	FY 2009 -----
01. COMBAT AIRCRAFT	3,986.7	4,967.3	4,864.9
02. AIRLIFT AIRCRAFT	5,499.4	1,015.5	1,118.3
03. TRAINER AIRCRAFT	302.5	244.2	33.2
04. OTHER AIRCRAFT	1,542.2	1,531.4	1,795.5
05. MODIFICATION OF INSERVICE AIRCRAFT	3,331.7	2,865.0	3,673.8
06. AIRCRAFT SPARES AND REPAIR PARTS	236.2	254.7	257.0
07. AIRCRAFT SUPT EQUIPMENT & FACILITIES	917.7	1,113.7	933.8
TOTAL AIRCRAFT PROCUREMENT, AIR FORCE	15,816.6	11,991.8	12,676.5

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Department of the Air Force
FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 01: COMBAT AIRCRAFT									

TACTICAL FORCES									
1	F-35	A	2	(595.5)	6	(1,383.0)	8	(1,796.5)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-117.4)		(-93.6)		(-122.7)	U
				-----		-----		-----	
				478.1		1,289.4		1,673.8	
2	F-35								
	ADVANCE PROCUREMENT (CY)			93.6		122.7		136.9	U
	(FY 2007 FOR FY 2008) (MEMO)			(93.6)					
	(FY 2008 FOR FY 2009) (MEMO)					(122.7)			
	(FY 2009 FOR FY 2010) (MEMO)							(136.9)	
3	F-22A	A	20	(3,248.6)	20	(3,590.7)	20	(3,614.2)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-529.1)		(-459.3)		(-560.0)	U
				-----		-----		-----	
				2,719.5		3,131.4		3,054.2	
4	F-22A								
	ADVANCE PROCUREMENT (CY)			695.5		423.8			U
	(FY 2007 FOR FY 2007) (MEMO)			(100.0)					
	(FY 2007 FOR FY 2008) (MEMO)			(459.3)					
	(FY 2007 FOR FY 2009) (MEMO)			(136.2)					
	(FY 2008 FOR FY 2009) (MEMO)					(423.8)			
				-----		-----		-----	
	TOTAL COMBAT AIRCRAFT			3,986.7		4,967.3		4,864.9	
BUDGET ACTIVITY 02: AIRLIFT AIRCRAFT									

TACTICAL AIRLIFT									
5	C-17A (MYP)	A	22	(5,448.0)		(258.8)		(367.6)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-1,115.5)					U
				-----		-----		-----	
				4,332.5		258.8		367.6	

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Department of the Air Force
 FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
OTHER AIRLIFT									
6	C-130J	A	14	(1,186.6)	9	(795.3)			U
	LESS: ADVANCE PROCUREMENT (PY)			(-109.7)		(-113.9)			U
				1,076.9		681.4			
7	C-130J								
	ADVANCE PROCUREMENT (CY)			90.0				96.0	U
	(FY 2007 FOR FY 2008) (MEMO)			(90.0)					
	(FY 2009 FOR FY 2010) (MEMO)							(96.0)	
8	HC/MC-130 RECAP	A					6	(582.9)	U
	LESS: ADVANCE PROCUREMENT (PY)							(-75.2)	U
								507.7	
9	HC/MC-130 RECAP								
	ADVANCE PROCUREMENT (CY)					75.2		80.0	U
	(FY 2008 FOR FY 2009) (MEMO)					(75.2)			
	(FY 2009 FOR FY 2010) (MEMO)							(80.0)	
10	KC-X								
	ADVANCE PROCUREMENT (CY)							61.7	U
	(FY 2009 FOR FY 2010) (MEMO)							(61.7)	
11	JOINT CARGO AIRCRAFT	A						5.4	U
TOTAL AIRLIFT AIRCRAFT				5,499.4		1,015.5		1,118.3	
BUDGET ACTIVITY 03: TRAINER AIRCRAFT									

OPERATIONAL TRAINERS									
12	JPATS	A	48	302.5	39	244.2		33.2	U
TOTAL TRAINER AIRCRAFT				302.5		244.2		33.2	

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Department of the Air Force
 FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 04: OTHER AIRCRAFT									

HELICOPTERS									
13	CSAR-X								
	ADVANCE PROCUREMENT (CY)							15.0	U
	(FY 2009 FOR FY 2010) (MEMO)							(15.0)	
14	V22 OSPREY	A	3	(315.9)	5	(470.9)	6	(438.0)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-10.4)		(-20.1)		(-29.0)	U
				-----		-----		-----	
				305.5		450.7		409.0	
15	V22 OSPREY								
	ADVANCE PROCUREMENT (CY)			34.3		41.0		14.3	U
	(FY 2007 FOR FY 2008) (MEMO)			(20.1)					
	(FY 2007 FOR FY 2009) (MEMO)			(4.6)					
	(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)					(24.4)			
	(FY 2008 FOR FY 2010) (MEMO)					(5.7)			
	(FY 2008 FOR FY 2011) (MEMO)					(5.2)			
	(FY 2008 FOR FY 2012) (MEMO)					(5.7)			
	(FY 2009 FOR FY 2010) (MEMO)							(14.3)	
MISSION SUPPORT AIRCRAFT									
16	C-29A FLIGHT INSPECTION ACFT	A					1	31.9	U
17	C-40	A			2	48.3			U
18	CIVIL AIR PATROL A/C	A		10.2		6.2		2.4	U
OTHER AIRCRAFT									
19	TARGET DRONES	A		73.5		77.1		70.6	U

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Department of the Air Force
FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
20	GLOBAL HAWK LESS: ADVANCE PROCUREMENT (PY)	A	5	(456.0) (-64.1)	5	(561.2) (-50.7)	5	(721.7) (-63.4)	U U
				391.9		510.5		658.3	
21	GLOBAL HAWK ADVANCE PROCUREMENT (CY) (FY 2007 FOR FY 2008) (MEMO) (FY 2008 FOR FY 2009) (MEMO) (FY 2009 FOR FY 2010) (MEMO)			50.7 (50.7)		63.4 (63.4)		53.8 (53.8)	U U
22	MQ-1	A	60	676.1	24	276.1	38	378.7	U
23	MQ-9				4	58.1	9	161.4	U
	TOTAL OTHER AIRCRAFT			1,542.2		1,531.4		1,795.5	
BUDGET ACTIVITY 05: MODIFICATION OF INSERVICE AIRCRAFT									

STRATEGIC AIRCRAFT									
24	B-2A	A		62.7		212.1		330.4	U
25	B-1B	A		68.8		34.4		71.8	U
26	B-52	A		55.9		33.1		41.7	U
27	F-117	A		*					U
TACTICAL AIRCRAFT									
28	A-10	A		276.2		168.0		144.1	U
29	F-15	A		277.0		58.7		12.3	U
30	F-16	A		367.9		332.9		273.7	U
31	F-22A	A		125.5		255.2		327.0	U

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Department of the Air Force
FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS									
LINE	ITEM NOMENCLATURE	IDENT	FY 2007		FY 2008		FY 2009		S E C
NO			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
----	-----	----	-----	-----	-----	-----	-----	-----	---
AIRLIFT AIRCRAFT									
32	C-5	A		(167.1)		(309.8)		(551.7)	U
	LESS: ADVANCE PROCUREMENT (PY)			(-19.7)		(-55.5)		(-66.2)	U
				-----		-----		-----	
				147.4		254.4		485.5	
33	C-5								
	ADVANCE PROCUREMENT (CY)			55.5		66.2		97.6	U
	(FY 2007 FOR FY 2008) (MEMO)			(55.5)					
	(FY 2008 FOR FY 2009) (MEMO)					(66.2)			
	(FY 2009 FOR FY 2010) (MEMO)							(97.6)	
34	C-17A	A		389.2		180.0		331.5	U
35	C-21	A		1.3		.9		11.0	U
36	C-32A	A		8.9		1.6		11.4	U
37	C-37A	A		112.8		.4		2.4	U
TRAINER AIRCRAFT									
38	GLIDER MODS	A		.3		.1		.1	U
39	T-6	A		6.1		17.0		21.1	U
40	T-1	A		.2		12.9		*	U
41	T-38	A		143.1		129.9		59.9	U
42	T-43	A		1.0		2.2		2.3	U
OTHER AIRCRAFT									
43	KC-10A (ATCA)	A		6.7		1.9		1.9	U
44	C-12	A		4.3		.5		.5	U
45	C-20 MODS	A		.5		.5		1.5	U
46	VC-25A MOD	A		1.0		28.2		60.9	U
47	C-40	A		90.7		.2		9.9	U

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Department of the Air Force
 FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
48	C-130	A		448.1		212.6		422.8	U
49	C130J MODS	A		15.1		61.8		59.4	U
50	C-135	A		86.2		124.9		134.2	U
51	COMPASS CALL MODS	A		70.3		45.0		24.6	U
52	DARP	A		104.3		105.4		107.0	U
53	E-3	A		66.3		53.8		86.5	U
54	E-4	A		5.6		19.6		28.1	U
55	E-8	A		100.5		79.2		30.7	U
56	H-1	A		40.3		22.0		13.2	U
57	H-60	A		16.7		117.8		17.3	U
58	GLOBAL HAWK MODS	A		7.5		25.8		103.9	U
59	OTHER AIRCRAFT	A		108.5		94.8		151.9	U
60	MQ-1 MODS	A		57.4		74.2		148.5	U
61	MQ-9 MODS					20.4		24.6	U
62	CV-22 MODS	A		1.9		16.4		22.6	U
TOTAL MODIFICATION OF INSERVICE AIRCRAFT				3,331.7		2,865.0		3,673.8	
BUDGET ACTIVITY 06: AIRCRAFT SPARES AND REPAIR PARTS									

AIRCRAFT SPARES + REPAIR PARTS									
63	INITIAL SPARES/REPAIR PARTS	A		236.2		254.7		257.0	U
TOTAL AIRCRAFT SPARES AND REPAIR PARTS				236.2		254.7		257.0	

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Department of the Air Force
FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
BUDGET ACTIVITY 07: AIRCRAFT SUPT EQUIPMENT & FACILITIES									

COMMON SUPPORT EQUIPMENT									
64	AIRCRAFT REPLACEMENT SUPPORT EQUIP	A		101.2		100.5		104.9	U
POST PRODUCTION SUPPORT									
65	B-1	A		10.3					U
66	B-2A	A		17.7					U
67	B-2A	A		29.7		34.5		36.8	U
68	B-52	A		8.0					U
69	C-5	A				18.2		18.2	U
70	C-21							19.0	U
71	C-130	A				19.2			U
72	EC-130J	A				5.3		5.4	U
73	F-15	A		10.7		5.6		20.2	U
74	F-16	A		12.2		19.3		13.6	U
75	T-6							8.8	U
76	OTHER AIRCRAFT	A				101.2		48.6	U
77	T-1	A				14.8			U
INDUSTRIAL PREPAREDNESS									
78	INDUSTRIAL RESPONSIVENESS	A		23.1		23.8		24.4	U
WAR CONSUMABLES									
79	WAR CONSUMABLES	A		25.0		17.7		80.6	U

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Department of the Air Force
 FY 2009 PROCUREMENT PROGRAM

EXHIBIT P-1

APPROPRIATION: 3010F AIRCRAFT PROCUREMENT, AIR FORCE

DATE: 25 JAN 2008

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2007		FY 2008		FY 2009		S E C
			QUANTITY	COST	QUANTITY	COST	QUANTITY	COST	
	OTHER PRODUCTION CHARGES								
80	OTHER PRODUCTION CHARGES	A		577.4		717.7		521.4	U
81	DEPOT MODERNIZATION	A		66.3					U
	CLASSIFIED PROGRAMS								
82	CLASSIFIED PROGRAMS	A							
83	SPECIAL PROGRAMS	A							
84	OTHER SPECIAL PROGRAMS	A							
	OTHER PRODUCTION CHARGES - SOF								
85	CANCELLED ACCT ADJUSTMENTS	A		.4					U
	DARP								
86	DARP	A		27.2		27.7		21.0	U
				-----		-----		-----	
	TOTAL AIRCRAFT SUPT EQUIPMENT & FACILITIES			917.7		1,113.7		933.8	
				-----		-----		-----	
	TOTAL AIRCRAFT PROCUREMENT, AIR FORCE			15,816.6		11,991.8		12,676.5	

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FY 2009 BUDGET ESTIMATES

FEBRUARY 2008

SECTION 4:

P-1 LINE ITEM DETAIL

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FY 2009 BUDGET ESTIMATES
BUDGET ACTIVITY 01 – COMBAT AIRCRAFT
FEBRUARY 2008

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In accordance with the President's Management Agenda, Budget and Performance Integration initiative, these programs have 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 website.

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Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1	P-1 Line Item Nomenclature F-35

Program Element for Code B Items:		N/A			Other Related Program Elements:				0604800F		
	ID Code	Prior Years	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	1,621	1,763
Cost (\$ M)			478.072	1289.393	1673.787	2083.986	2929.838	4150.646	4336.534	129302.019	146244.275
Advance Proc Cost (\$ M)			93.622	122.704	136.904	231.764	358.194	365.977	468.838	11201.538	12979.541
Weapon System Cost (\$ M)		0.000	571.694	1412.097	1810.691	2315.750	3288.032	4516.623	4805.372	140503.557	159223.816
Initial Spares (\$ M)			76.067	37.039	85.693	121.548	226.789	355.420	372.760	11239.842	12515.158
Total Proc Cost (\$ M)		0.000	647.761	1449.136	1896.384	2437.298	3514.821	4872.043	5178.132	151743.399	171738.974
Flyaway Unit Cost (\$ M)			247.450	215.035	199.489	158.546	124.580	101.726	91.223	79.973	83.131
Wpn Sys Unit Cost (\$ M)			285.847	235.350	226.336	192.979	137.001	107.539	100.112	86.677	90.314

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 includes superior weaponry over existing aircraft. The highly supportable, affordable, state-of-the-art aircraft commands and maintains 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.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 64800F.

FY2008 funding totals do not include \$230M FY08 GWOT requirements still pending Congressional consideration.

FY 2009 Program Justification

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

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Exhibit P-5, Weapon System Cost Analysis					Date: February 2008					
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					
Manufacturer's Name/Plant City/State Location					Subline Item					
Lockheed Martin/Ft Worth TX										
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe/CFE	A	2	149.450	298.899	6	119.874	719.244	8	99.668	797.344
CFE Electronics	A	2	48.006	96.011	6	36.703	220.218	8	32.034	256.268
GFE Electronics	A									
Engines/Eng ACC	A	2	15.872	31.744	6	13.484	80.906	8	12.524	100.195
Armament	A									
ECO (Flyaway)	A	2	16.273	32.545	6	9.799	58.795	8	5.644	45.150
Subtotal Recurring Flyaway				459.200			1079.162			1198.957
Non-Recurring Cost	A			25.622			188.611			370.698
Ancillary Equip	B			10.078			22.437			26.260
Subtotal Non-Recurring Flyaway				35.701			211.048			396.958
Airframe PGSE	B			0.000			21.227			24.389
Engine PGSE	B			0.000			3.270			2.595
Avionics PGSE	B			0.000			5.773			7.075
Peculiar Training Equipment	B			0.000			35.548			69.698
Pubs/Tech Data	B			5.487			9.639			10.493
Other ILS	B			4.616			1.048			15.209
Facilities Management	B			0.000			0.000			0.000
Field Activities	B			0.000			0.000			0.000
Production Eng Support	B			90.515			16.301			71.117
Subtotal Support Cost				100.618			92.805			200.576
Gross P-1 Cost				595.519			1383.015			1796.491
Advance Procurement Credit	A			-117.447			-93.622			-122.704
Net P-1 Cost				478.072			1289.393			1673.787
Advance Procurement	A			93.622			122.704			136.904
Weapon System Cost				571.694			1412.097			1810.691
Initial Spares				76.077			37.039			85.693
TOTAL PROGRAM				571.694			1412.097			1810.691
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.										
3) Procurement and Spares Cost to Complete is based on SAR-06 cost model and will be updated again when SAR-07 numbers are released in April 2008.										
P-1 Shopping List Item No. 1					Weapon System Cost Analysis Exhibit P-5, page 2 of 7					

Exhibit P-5A, Procurement History and Planning								Date: February 2008			
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	210.111	Arlington, VA	Mar-07	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Jul-07	Jan-10	Yes	
Pratt & Whitney (FY07)	2	12.742	Arlington, VA	Feb-06	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Aug-07	Jun-09	Yes	
Lockheed Martin (FY08)	6	170.648	Arlington, VA	Feb-07	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Mar-08	Apr-10	Yes	
Pratt & Whitney (FY08)	6	12.131	Arlington, VA	Feb-07	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jun-08	Oct-09	Yes	
Lockheed Martin (FY09)	8	142.477	Arlington, VA	Feb-08	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Mar-09	Mar-11	Yes	
Pratt & Whitney (FY09)	8	11.269	Arlington, VA	Feb-08	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-09	Jun-10	Yes	
Lockheed Martin (FY10)	12	120.480	Arlington, VA	Feb-09	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Jan-10	Jan-12	Yes	
Pratt & Whitney (FY10)	12	10.535	Arlington, VA	Feb-09	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-10	Apr-11	Yes	
Lockheed Martin (FY11)	24	106.583	Arlington, VA	Feb-10	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Jan-11	Jan-13	Yes	
Pratt & Whitney (FY11)	24	9.991	Arlington, VA	Feb-10	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-11	Apr-12	Yes	
Lockheed Martin (FY12)	42	89.805	Arlington, VA	Feb-11	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Jan-12	Jan-14	Yes	
Pratt & Whitney (FY12)	42	9.246	Arlington, VA	Feb-11	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-12	Apr-13	Yes	
Lockheed Martin (FY13)	48	81.775	Arlington, VA	Feb-12	SS	CPIF/AF	Lockheed Martin, Ft Worth, TX	Jan-13	Jan-15	Yes	
Pratt & Whitney (FY13)	48	8.967	Arlington, VA	Feb-12	SS	CPIF/AF	Pratt & Whitney, East Hartford, CT	Jan-13	Apr-14	Yes	
Remarks											
P-1 Shopping List Item No. 1						Procurement History and Planning Exhibit P-5A, page 3 of 7					

Exhibit P-21, Production Schedule	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1	P-1 Line Item Nomenclature F-35
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PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2009	BALANCE DUE AS OF 1 OCT 2009	FISCAL YEAR 2010												FISCAL YEAR 2011												L A T E R
					2009						CALENDAR YEAR 2010						CALENDAR YEAR 2011												
					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	
2007	USAF	2	0	2				1	1																			0	
2008	USAF	6	0	6							1	1	1	1	1	1												0	
2009	USAF	8	0	8																1		1			1	1	4		
2010	USAF	12	0	12																								12	
2011	USAF	24	0	24																								24	
2012	USAF	42	0	42																								42	
2013	USAF	48	0	48																								48	
TOTAL		142	0	142				1	1			1	1	1	1	1	1								1	1	130		

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										
Lockheed Martin	Ft Worth TX	6	2/8/5	16											7	6	36	42	

REMARKS

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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 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)			93.622	122.704	136.904	231.764	358.194	365.977	468.838	11317.317	13095.320
Weapon System Cost (\$ M)		0.000	93.622	122.704	136.904	231.764	358.194	365.977	468.838	11317.317	13095.320
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	93.622	122.704	136.904	231.764	358.194	365.977	468.838	11317.317	13095.320
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 began in FY07.

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 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 2								P-1 Line Item Nomenclature F-35 Advance Procurement				
Weapon System JSF_AP												
(TOA, \$ in Millions)												
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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				2	Mar-07	93.622	6	Mar-08	122.704	8	Jan-09	136.904
GFE												
EOQ												
Design												
Term Liability												
TOTAL AP						93.622			122.704			136.904
<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 2008				
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 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	115	20	20	20					0	175
Cost (\$ M)		19267.050	2719.503	3131.378	3054.197	42.306	42.006			0.000	28256.440
Interim Ctr Support (\$ M)		0.000								0.000	0.000
Advance Proc Cost (\$ M)		3758.945	695.541	423.783						0.000	4878.269
Weapon System Cost (\$ M)		23025.995	3415.044	3555.161	3054.197	42.306	42.006	0.000	0.000	0.000	33134.709
Initial Spares (\$ M)		22.884	0.000	0.000	0.000	0.000	0.000			0.000	22.884
Total Proc Cost (\$ M)		23048.879	3415.044	3555.161	3054.197	42.306	42.006	0.000	0.000	0.000	33157.593
Flyaway Unit Cost (\$ M)		161.592	136.826	137.467	146.388	0.000	0.000			0.000	154.267
Wpn Sys Unit Cost (\$ M)		200.226	170.752	177.758	152.710	0.000	0.000			0.000	189.341
Description											
<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 \$431M for Lot 8 (FY08) and \$398M for Lot 9 (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 2009 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&E.</p> <p>Procurement funding is budgeted in FY10 and FY11 to complete the procurement of equipment for operational locations (i.e. equipment, support, etc.) and other necessary expenses to deliver the MYP aircraft.</p> <p>The flyaway cost listed above includes cost from both aircraft procurement appropriation and inline modernization funding. It 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 which were not included in the baseline production program for Lot 6 and prior.</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 air vehicle and engine production contracts. The program plans to continue to procure material capability via the Follow-On Agile Sustainment to the Raptor (FASTeR) and Sustainment Program for the Raptor Engine (SPaRE) contracts 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-1 Shopping List Item No. 3							Budget Item Justification Exhibit P-40, page 1 of 9				

Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 3	P-1 Line Item Nomenclature F-22 (Raptor)

FY 2009 Program Justification

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.

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Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 3	P-1 Line Item Nomenclature F-22 (Raptor)

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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframes/CFE	A	20	84.294	1685.888	20	84.716	1694.314	20	91.084	1821.673
Engine Accessories (shipset)	A	20	19.678	393.560	20	20.454	409.079	20	20.878	417.561
Avionics	A	20	28.020	560.396	20	28.218	564.355	20	30.340	606.808
Nonrecurring Costs				96.685			81.594			81.726
FLYAWAY COST SUBTOTAL				2736.529			2749.342			2927.768
Less: Prior Year Adv Procurement				-450.959			-489.621			-607.883
Plus: Current Year Adv Procurement	A			695.541			423.783			0.000
Other	A			43.179			52.330			52.976
Production Support - Other (PSO)	A			115.091			261.920			153.742
FASTeR / PALS	A			227.473			375.555			266.924
SUBTOTAL Air Vehicle Support				630.325			623.967			-134.241
Engine Support (SPARE)	A			48.190			181.852			260.670
Modernization BP10	A									
SUPPORT COST SUBTOTAL				48.190			181.852			260.670
TOTAL PROGRAM				3415.044			3555.161			3054.197

Comments

Nonrecurring costs includes, but is not limited to, the nonrecurring engineering and production costs associated with F-22A Diminishing Manufacturing Sources (DMS) issues as well as correction of air vehicle deficiencies caused by the concurrent development and production phases of the F-22A program. DMS costs include funding to protect production viability beyond the current program of record.

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 2008			
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	Feb-06	Yes	
Lockheed Martin Corp	24	109.526	ASC/YF	Jul-03	SS	FFP	Lockheed Martin	Nov-05	Nov-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	112.314	ASC/YF	May-06	SS	FFP	Lockheed Martin	Jul-07	Nov-08	Yes	
Lockheed Martin Corp	20	112.933	ASC/YF	May-06	SS	FFP	Lockheed Martin	Oct-07	Dec-09	Yes	
Lockheed Martin Corp	20	121.424	ASC/YF	May-06	SS	FFP	Lockheed Martin	Oct-08	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	Feb-04	Yes	
Pratt & Whitney	44	10.391	ASC/YF	Aug-02	SS	FFP	Pratt & Whitney	Jun-04	Feb-05	Yes	
Pratt & Whitney	48	9.823	ASC/YF	Aug-03	SS	FFP	Pratt & Whitney	Apr-05	Mar-06	Yes	
Pratt & Whitney	46	9.330	ASC/YF	Oct-05	SS	FFP	Pratt & Whitney	Apr-06	Mar-07	Yes	
Pratt & Whitney	40	9.839	ASC/YF	Oct-06	SS	FFP	Pratt & Whitney	Jul-07	Jan-08	Yes	
Pratt & Whitney	40	10.227	ASC/YF	Oct-06	SS	FFP	Pratt & Whitney	Oct-07	Feb-09	Yes	
Pratt & Whitney	40	10.439	ASC/YF	Oct-06	SS	FFP	Pratt & Whitney	Oct-08	Feb-10	Yes	
Remarks											
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					

Exhibit P-21, Production Schedule Date: February 2008

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)**

PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2002	BALANCE DUE AS OF 1 OCT 2002	FISCAL YEAR 2003												FISCAL YEAR 2004												L A T E R
					2002			CALENDAR YEAR 2003									CALENDAR YEAR 2004												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
1999	USAF	2	0	2	1	1																					0		
2000	USAF	0	0	0																							0		
2001	USAF	10	0	10											1		1	2		2		2	1	1			0		
2002	USAF	13	0	13																					1	1	11		
2003	USAF	21	0	21																							21		
2004	USAF	22	0	22																							22		
2005	USAF	24	0	24																							24		
2006	USAF	23	0	23																							23		
2007	USAF	20	0	20																							20		
2008	USAF	20	0	20																							20		
2009	USAF	20	0	20																							20		
TOTAL						1	1								0													161	
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
ITEM/MANUFACTURER'S NAME		LOCATION		PRODUCTION RATES			PROCUREMENT LEAD TIME																						
				MIN	SHIFT	M	ADMIN					MFG		TOTAL															
				SUST	HOURS	A	LEAD TIME					TIME		AFTER															
Lockheed Martin		Marietta, GA 30063 - 0000			DAYS	X						PRIOR		1 OCT															
												AFTER		1 OCT															
							INITIAL							52															
							REORDER							35															

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

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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:				N/A		
	ID Code	Prior Years	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)		3739.345	695.541	423.783							4858.669
Weapon System Cost (\$ M)		3739.345	695.541	423.783	0.000	0.000	0.000	0.000	0.000	0.000	4858.669
Initial Spares (\$ M)		0.000									0.000
Total Proc Cost (\$ M)		3739.345	695.541	423.783	0.000	0.000	0.000	0.000	0.000	0.000	4858.669
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 2009 Program Justification

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 4								P-1 Line Item Nomenclature F-22 (Raptor) Advance Procurement				
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 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			115	20	20	20	0	0			0	175
CFE			3598.632	395.541	423.783	0.000	0.000	0.000			0.000	4417.956
GFE												0.000
EOQ				300.000								300.000
Design			140.713									140.713
Term Liability												0.000
												0.000
TOTAL AP			3739.345	695.541	423.783	0.000	0.000	0.000	0.000	0.000	0.000	4858.669
Description												
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						

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 4								P-1 Line Item Nomenclature F-22 (Raptor) Advance Procurement				
Weapon System F-22AP												
(TOA, \$ in Millions)												
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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				20	Dec-06	359.341	20	Dec-07	423.783			
Lot 8 Titanium												
Lot 9 Titanium					Dec-06	36.200						
EOQ					Jan-07	300.000						
Design												
TOTAL AP						695.541			423.783			0.000
<u>Description</u>												
P-1 Shopping List Item No. 4								Advance Procurement Requirements Analysis (Page 2 - Budget Justification) Exhibit P-10 p.2, page 3 of 3				

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

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In accordance with the President's Management Agenda, Budget and Performance Integration initiative, these programs have 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 website.

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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. 5						C-17A (MYP)					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	168	22								190
Cost (\$ M)		36594.730	4332.520	258.839	367.554	237.240	214.093	216.100	196.349		42417.425
Interim Ctr Support (\$ M)		3963.481									3963.481
Advance Proc Cost (\$ M)		5378.051									5378.051
Weapon System Cost (\$ M)		45936.262	4332.520	258.839	367.554	237.240	214.093	216.100	196.349	0.000	51758.957
Initial Spares (\$ M)		807.018									807.018
Total Proc Cost (\$ M)		46743.280	4332.520	258.839	367.554	237.240	214.093	216.100	196.349	0.000	52565.975
Flyaway Unit Cost (\$ M)		431.488	218.378								
Wpn Sys Unit Cost (\$ M)		507.631	197.600								
Description											
FY07 was the last year of a five-year multi-year procurement (MYP) of 60 C-17s and the procurement of 10 aircraft in accordance with the FY07 Defense Appropriations Act. The FY08 and subsequent budgets continue the acquisition of required support equipment, spares, data, and training to complete the C-17 program.											
Material Improvement Projects retrofit kits are included in 3010 BP10 sustainment line per FY06 ICS P-40 exhibit.											
The FY07-09 USAF delivery schedule has been adjusted to account for delivery of four Australian Foreign Military Sale (FMS) aircraft and four Canadian and two UK Direct Commercial Sale (DCS) aircraft, along with ten additional C-17s scheduled to deliver in FY08/09.											
FY2007 funding total includes \$2.4B in GWOT supplemental											
This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 41130F.											
FY09 funding does not match P-1 Exhibit. The Air Force requests \$8.8M originally programmed in this P-1 line be appropriated in P-1 line 45 for proper execution.											
FY 2009 Program Justification											
FY09 budget funds support equipment, spares, training, mission support and data requirements.											
Funding document is unexecuteable. AF requests \$8.766M requested in this line be appropriated in P-1 line 45 of C-17 modifications for proper execution.											
P-1 Shopping List Item No. 5						Budget Item Justification Exhibit P-40, page 1 of 8					

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Exhibit P-5, Weapon System Cost Analysis					Date: February 2008					
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. 5					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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
1.0 Airframe	A	22	184.291	4054.412			0.000			0.000
2.0 Engine (4) (Model F-117-PW-100)	A	72	7.726	556.241			0.000			0.000
3.0 Avionics	A	22	5.997	131.935			0.000			0.000
4.0 Engineering Change Orders (ECO)	A			0.000						
5.0 Producibility Enhancement	A	22	2.273	50.007			39.791			27.227
6.0 Nonrecurring Flyaway	A			0.000			0.000			0.000
7.0 Settlement	A			0.000			37.342			0.000
7.1 Prior Year Adv Procurement (unit cost non add)				0.000						
8.0 Flyaway Cost Subtotal (1 thru 7)				4792.595			77.133			27.227
9.0 Peculiar Support Equipment	A			7.775			13.144			62.889
10.0 Common Support Equipment	A			1.680			1.640			1.640
11.0 Training	A			68.607			43.629			75.933
12.0 Data	A			20.278			21.011			29.726
13.0 Field Support	A			0.000			0.000			0.000
14.0 Site Activation/Spares (XX10)	A			235.119			94.221			46.920
15.0 Whole Engine Spares				76.030			0.000			114.600
16.0 Mission Support	A			18.405			8.061			8.619
17.0 Support Cost Subtotal (9 thru 16)				427.894			181.706			340.327
18.0 Gross P-1 Cost (8 + 17)				5220.489			258.839			367.554
19.1 LESS: Prior Year Adv Procurement	A			-657.269			0.000			0.000
19.2 LESS: EOQ Payback	A			-230.700			0.000			0.000
19.3 Prior Year Adv Procurement (unit cost non add)	A									
20.0 Net P-1 Cost (18 + 19)				4332.520			258.839			367.554
21.1 Advance Procurement, Current Year	A			0.000			0.000			0.000
21.2 EOQ, Current Year	A			0.000			0.000			0.000
Other P-1 Weapon System Costs	A			0.000						
22.1 ICS (BP10 1050; FY00 thru To Complete)	A			0.000			0.000			0.000
TOTAL PROGRAM				4332.520			258.839			367.554
Comments										
-The increase in FY09 PSE (9.0) includes Software Labs Infrastructure Modernization										
-The increase in FY09 Training (11.0) includes the procurement of Weapon System Trainer #22										
P-1 Shopping List Item No. 5					Weapon System Cost Analysis					
					Exhibit P-5, page 2 of 8					

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 5	P-1 Line Item Nomenclature C-17A (MYP)
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Manufacturer's Name/Plant City/State Location Boeing Airlift and Tankers / Long Beach, CA	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost

-The increase in Whole Engine Spares (15.0) in FY09 procures additional engines to comply with updated spares models.

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Exhibit P-5A, Procurement History and Planning							Date: February 2008				
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. 5							C-17A (MYP)				
Weapon System				Subline Item							
C-17A											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
FY 2006											
Air Vehicle	15	170.152	AFMC/ASC		SS	FFP	Boeing - Airlift and Tankers, Long Beach, CA	Jan-06	Aug-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	Sep-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											
<p>-- Air Vehicle Unit Cost is total of Airframe and Avionics unit costs from P-5 Exhibit which includes both Contractor and Government Furnished Equipment.</p> <p>-- 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.</p> <p>-- 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 May 08.</p> <p>-- The FY07 engine buy is part of an IDIQ-type contract that is Fixed Price with Economic Price Adjustment.</p>											
P-1 Shopping List Item No. 5											
Procurement History and Planning Exhibit P-5A, page 4 of 8											

Exhibit P-40, Budget Item Justification						Date: February 2008					
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-130J					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	32	14	9		8	8	8	8	15	102
Cost (\$ M)		2406.122	1076.925	681.431		492.544	536.929	541.543	557.774	TBD	TBD
Advance Proc Cost (\$ M)		448.837	90.000		96.000	96.000	96.000	96.000		TBD	TBD
Weapon System Cost (\$ M)		2854.959	1166.925	681.431	96.000	588.544	632.929	637.543	557.774	TBD	TBD
Initial Spares (\$ M)		70.169	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	70.169
Total Proc Cost (\$ M)		2925.128	1166.925	681.431	96.000	588.544	632.929	637.543	557.774	TBD	TBD
Flyaway Unit Cost (\$ M)		62.268	59.464	61.879	N/A	65.170	66.521	67.859	69.229	TBD	TBD
Wpn Sys Unit Cost (\$ M)		62.771	60.120	62.545	N/A	65.798	67.165	68.522	69.912	TBD	TBD

Description

The 2007 funding total includes \$388M in GWOT supplemental funding.

The FY2008 funding totals do not include \$1356.3M GWOT requirements still pending Congressional consideration.

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).

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 41132F.

Funding document is unexecutable, Air Force requests \$25M currently programmed in P-1 line 60 (C-130J Mods) be appropriated in P-1 line 7 (C-130J) for proper execution.

FY 2009 Program Justification

The FY 2009 budget provides advance procurement for new production starting in 2010. FY08 is the last year of the C-130J multiyear procurement (MYP) buy. The last MYP aircraft delivers in FY10. In addition, Congress has added 8 C-130Js in support of the Global War On Terror (GWOT) - 3 in FY06 and 5 in FY07. These aircraft also deliver in FY10. The USAF has 17 C-130Js in its FY08 GWOT request, 15 C-130Js and 2 MC-130Js (Special Operations Tanker).

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Exhibit P-5, Weapon System Cost Analysis						Date: February 2008				
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-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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe	A	14	60.311	844.356	9	59.779	538.007			
Avionics	A									
Armament	A									
Software	A									
Other Government Furnished Equipment (GFE)	A			27.900			18.900			
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A									
FLYAWAY COST SUBTOTAL				872.256			556.907			
Airframe Peculiar Ground Support Equipment (PGSE)	A			7.500			6.000			
Peculiar Training Equipment	A			3.040			1.347			
Publications/Technical Data	A			3.000			2.262			0.000
ECOs	A									
Diminshing Manufacturing Sources	A			19.250			9.000			
ICS	A			2.650			3.849			
ISS	A			257.034			143.018			0.000
Data	A			1.745			1.785			0.000
Post Delivery Support	A			12.851			13.024			
Organic Depot Support	A			0.000			56.028			0.000
Other	A			6.103			7.450			0.000
SUPPORT COST SUBTOTAL				313.173			243.763			
EOQ	A									
Advanced Procurement	A			90.000						96.000
Less prorated FY03 EOQ				-6.490			-6.490			
Less prorated FY04 EOQ	A			-8.654			-8.654			
Less prorated FY05 EOQ	A			-14.423			-14.423			
Less previous year advance procurement	A			-78.937			-89.672			
Production Line Shutdown	A									
Withhold	A									
TOTAL PROGRAM				1166.925			681.431			96.000
Comments										

P-1 Shopping List Item No. 6

Weapon System Cost Analysis
Exhibit P-5, page 2 of 10

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 6	P-1 Line Item Nomenclature C-130J
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Manufacturer's Name/Plant City/State Location	Subline Item
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Lockheed Martin Aero-Marietta	C-130J (BPAC 10400C)
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost

Effective 1 Oct 99, initial spares requirements migrated to Interim Supply Support (ISS) under the Reengineered Supply Support Process (RSSP) umbrella.

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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-130J Advance Procurement					
Program Element for Code B Items:		41132F			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	90.000		96.000	96.000	96.000	96.000			843.900
Weapon System Cost (\$ M)		369.900	90.000	0.000	96.000	96.000	96.000	96.000	0.000	0.000	843.900
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		369.900	90.000	0.000	96.000	96.000	96.000	96.000	0.000	0.000	843.900
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 2009 Program Justification

The FY09 advance procurement funds provide long lead items for 8 FY10 C-130Js.

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: February 2008		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 7										P-1 Line Item Nomenclature C-130J Advance Procurement		
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 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	9	9		8	8	8	8		65
CFE			239.900	90.000		80.000	80.000	80.000	80.000			649.900
GFE						16.000	16.000	16.000	16.000			64.000
EOQ			130.000									130.000
Design												0.000
Term Liability												0.000
												0.000
TOTAL AP			369.900	90.000	0.000	96.000	96.000	96.000	96.000	0.000	0.000	843.900
Description												
<p>The Advance Procurement GFE funding enables the USAF to authorize and place on order materials and equipment suppliers with sufficient lead time to support the planned delivery schedule.</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. 7						Advance Procurement Requirements Analysis (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 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 7								P-1 Line Item Nomenclature C-130J Advance Procurement				
Weapon System C130JA												
<u>(TOA, \$ in Millions)</u>												
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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				9	Nov-06	90.000					Nov-08	96.000
CFE				9	Nov-06	90.000					Nov-08	80.000
GFE											Nov-08	16.000
EOQ												
TOTAL AP						90.000			0.000			96.000
<u>Description</u>												
The Advance Procurement GFE funding enables the USAF to authorize and place on order materials, equipment suppliers and subcontractors with sufficient lead time to support the planned delivery schedule.												
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.												
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-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 2008					
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						HC/MC-130 Recap					

Program Element for Code B Items:		N/A			Other Related Program Elements:				HC/MC-130 Recap RDT&E: PE65278F		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A				6	8	8	8	8	77	115
Cost (\$ M)					507.677	647.328	576.583	504.304	474.707	TBD	TBD
Advance Proc Cost (\$ M)				75.221	80.000	87.360	95.398	104.174	113.758	TBD	TBD
Weapon System Cost (\$ M)		0.000	0.000	75.221	587.677	734.688	671.981	608.478	588.465	TBD	TBD
Initial Spares (\$ M)										TBD	TBD
Total Proc Cost (\$ M)		0.000	0.000	75.221	587.677	734.688	671.981	608.478	588.465	TBD	TBD
Flyaway Unit Cost (\$ M)					83.246	81.289	74.015	65.895	63.202		
Wpn Sys Unit Cost (\$ M)					97.946	91.836	83.998	76.060	73.558		

Description

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. The HC/MC-130 Recap Capabilities Development Document (CDD) defines a common baseline configuration for the weapon system and a FY 2012 Initial Operational Capability. The JROC validated the CDD in Nov 2007.

The FY 2008 President's Budget requested RDT&E and Advanced Procurement funds to begin the program. The FY 2008 Defense Appropriation provided \$25.190M of advanced procurement for HC-130 Recap and \$50.542 of advance procurement for MC-130 Recap.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 64261F and PE 65278F.

FY 2009 Program Justification

AF plans to procure modified KC-130Js in FY 2009 and FY 2010 to meet the Warfighter's immediate requirement and conduct a business case analysis to determine the acquisition strategy to procure the remaining aircraft.

The following production buy profile is predicated on early cost estimates. The Air Force is updating its cost estimate and the initial indication is that funds will be sufficient for five or six aircraft depending on negotiated contract price. The FY10 PB will reflect requisite adjustments to the buy profile and costs.

FY09 FY10 FY11 FY12 FY13

PE 0207224F (ACC) 2 4 4 4 4

PE 0207230F (AFSOC) 4 4 4 4 4

Exhibit P-5A, Procurement History and Planning Date: February 2008

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 **HC/MC-130 Recap**

Weapon System Subline Item
HC-130Recap

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)	6	80.717	WPAFB		SS	FFP	Lockheed Martin Aeronautical Systems, Marietta GA	Mar-08	Aug-10		

Remarks

Exhibit P-40, Budget Item Justification						Date: February 2008					
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						HC/MC-130 Recap Adv Proc					

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 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		75.221	80.000	87.360	95.398	104.174	113.758		555.911
Weapon System Cost (\$ M)		0.000	0.000	75.221	80.000	87.360	95.398	104.174	113.758	0.000	555.911
Initial Spares (\$ M)		0.000									0.000
Total Proc Cost (\$ M)		0.000	0.000	75.221	80.000	87.360	95.398	104.174	113.758	0.000	555.911
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

HC/MC-130 Recapitalization will replace and augment the aging USAF fleets of combat rescue HC-130P/N and special operations MC-130E/P aircraft which are experiencing airworthiness, maintainability and operational limitations. The HC/MC-130 Recap Capabilities Development Document (CDD) defines a common baseline configuration for the weapon system and a FY 2012 Initial Operational Capability. The JROC validated the CDD in Nov 2007.

The FY 2008 President's Budget requested RDT&E and Advanced Procurement funds to begin the program. The FY 2008 Defense Appropriation provided \$25.190M of advanced procurement for HC-130 Recap and \$50.542 of advance procurement for MC-130 Recap.

FY 2009 Program Justification

FY 2009 funds will provide advance procurement for long lead items for eight aircraft to be procured in FY10.

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: February 2008		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9										P-1 Line Item Nomenclature HC/MC-130 Recap Adv Proc		
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 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						6	8	8	8	8	107	145
CFE					75.221	80.000	87.360	95.398	104.174	113.758	TBD	555.911
GFE												0.000
EOQ												0.000
Design												0.000
Term Liability												0.000
												0.000
TOTAL AP			0.000	0.000	75.221	80.000	87.360	95.398	104.174	113.758	0.000	555.911
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.												
P-1 Shopping List Item No. 9						Advance Procurement Requirements Analysis (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 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 9	P-1 Line Item Nomenclature HC/MC-130 Recap Adv Proc
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Weapon System
 HC-130Recap AP

(TOA, \$ in Millions)

<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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								Mar-08	75.221		Nov-08	80.000
GFE												
EOQ												
Design												
Term Liability												
TOTAL AP						0.000			75.221			80.000

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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Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10	P-1 Line Item Nomenclature KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A					5	12	13	14		44
Cost (\$ M)										TBD	TBD
Advance Proc Cost (\$ M)					61.660	172.820	147.459	148.063	152.560	TBD	TBD
Weapon System Cost (\$ M)		0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	TBD	TBD
Initial Spares (\$ M)										TBD	TBD
Total Proc Cost (\$ M)		0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	TBD	TBD
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 KC-X is currently in source selection.

The Air Force needs to replace its aging KC-135 tankers (average age 47 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. The program plans to procure four RDT&E aircraft that will be retrofitted back to production configuration.

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 supports long lead items for five aircraft procured in FY10. These five aircraft will deliver in FY12.

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10								P-1 Line Item Nomenclature KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT				
Weapon System KC135R_AP				First System Award Date Feb-08				First System Completion Date Sep-10				
(\$ in Millions)												
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</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							5	12	13	14		44
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
												0.000
TOTAL AP			0.000	0.000	0.000	61.660	172.820	147.459	148.063	152.560	0.000	682.562
<u>Description</u>												
KC-X is in source selection.												
P-1 Shopping List Item No. 10							Advance Procurement Requirements Analysis (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 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 10	P-1 Line Item Nomenclature KC-135 REPLACEMENT AIRCRAFT ADVANCE PROCUREMENT
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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>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			61.660
GFE						0.000			0.000			
EOQ												
Design												
Term Liability												
B												
TOTAL AP						0.000			0.000			61.660

Description
 KC-X is in source selection.

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Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11	P-1 Line Item Nomenclature JOINT CARGO AIRCRAFT

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A					3	5	8	8	0	24
Total Proc Cost (\$ M)			0.000	0.000	5.439	124.845	265.622	536.532	481.835	445.869	1860.142

Description

The Joint Cargo Aircraft (JCA) program is an Army/Air Force aircraft program. It procures a commercial derivative aircraft that meets the Army's immediate needs and provides the Air Force an additional capability in meeting its intratheater airlift mission. A joint Army/Air Force Source Selection Team selected the C-27J in a full and open competition. The JCA firm fixed price contract was awarded on 13 June 2007 to L3 Communications with delivery orders for two aircraft, engineering services, cost reporting, Live Fire Test and Evaluation hardware, and logistics support. The Army began aircraft procurement in FY07. Their first aircraft delivery is scheduled for September 2008. Initial USAF procurement is planned for FY10 with delivery planned for FY12. The current program calls for 78 aircraft (54 Army and 24 Air Force).

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 41138F.

FY 2009 Program Justification

FY09 APAF BP10 funding is required to initiate support equipment procurement for Air Force base standup.

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 11	P-1 Line Item Nomenclature JOINT CARGO AIRCRAFT
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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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft Recurring Production										
Engineering Change Orders										
Mission Support										
FLYAWAY COST SUBTOTAL										
Non Recurring Production (Depot Standup)										
Production/ILS Cost Data										
Support Equipment										5.439
Site Activation										
Initial Spares										
Trainer Procurement										
Other Training										
ICS										
Modifications										
Software Maintenance										
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM										5.439

Comments

FY09 APAF funding is required to initiate long-lead item support equipment procurement for Air Force base standup.
 FY10 & Out: The current program calls for 78 aircraft (54 Army and 24 Air Force). The Army began aircraft procurement in FY07. Initial USAF procurement is planned for FY10.

Exhibit P-5A, Procurement History and Planning								Date: February 2008				
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								JOINT CARGO AIRCRAFT				
<u>Weapon System</u>				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?	
FY 2010												
Joint Cargo Aircraft	3	31.221	Huntsville AL	Mar-06	C	Army	L-3 Communications Integrated Systems, Greenville, TX	Jun-07	Jan-12			
FY 2011												
Joint Cargo Aircraft	5	30.272	Huntsville AL	Mar-06	C	Army	L-3 Communications Integrated Systems, Greenville, TX	Jun-07	Jan-13			
FY 2012												
Joint Cargo Aircraft	8	TBD	Huntsville AL		SS	Army	L-3 Communications Integrated Systems, Greenville, TX		Jan-14			
FY 2013												
Joint Cargo Aircraft	8	TBD	Huntsville AL		SS	Army	L-3 Communications Integrated Systems, Greenville, TX		Jan-15			
<u>Remarks</u>												

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

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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12						P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)					

Program Element for Code B Items:		N/A			Other Related Program Elements:				0604233F, 0804741F		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	365	48	39						0	452
Cost (\$ M)		1930.598	302.541	244.227	33.196	25.978				0.000	2536.540
Advance Proc Cost (\$ M)		0.000								0.000	0.000
Weapon System Cost (\$ M)		1930.598	302.541	244.227	33.196	25.978	0.000	0.000	0.000	0.000	2536.540
Initial Spares (\$ M)		25.837	8.183	0.000	14.750	2.560	0.470	0.000	0.000	0.000	51.800
Total Proc Cost (\$ M)		1956.435	310.724	244.227	47.946	28.538	0.470	0.000	0.000	0.000	2588.340
Flyaway Unit Cost (\$ M)		4.087	5.612	5.459							4.607
Wpn Sys Unit Cost (\$ M)		5.289	6.303	6.262							5.517

Description

JPATS 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.

Funding document is unexecutable. AF requests \$27.654M be appropriated in this line item and the remaining \$5.542M be appropriated in P-1 line 63 (Aircraft Initial Spares) for proper execution.

FY 2009 Program Justification

One T-6A Operational Flight Trainer simulator will be acquired in support of Combat Systems Officer (CSO) training. Funding is programmed for JPATS program management, systems engineering and dedicated prime contractor support.

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12	P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)

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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft	A	48	5.612	269.389	39	5.459	212.906			
FLYAWAY COST SUBTOTAL				269.389			212.906			
Advance Procurement	A			0.100						
Other	A			26.429			23.921			29.196
SUPPORT COST SUBTOTAL				26.529			23.921			29.196
Ground Based Training System	A			6.623			7.400			4.000
TOTAL PROGRAM				302.541			244.227			33.196

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 \$100,000 Advance Procurement in FY2006 was obtained through the Congressional new start notification process, to help bridge the transition from FAR part 12 to FAR part 15.

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

Exhibit P-5A, Procurement History and Planning							Date: February 2008				
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	Sep-96	Feb-00	Yes	
Air Vehicle FY96	4	3.431	ASC/YT WPAFB OH	May-94	C/FPO	FPIF	Raytheon Aircraft Co Wichita, Kansas	Apr-97	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	May-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	Apr-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	Jun-06	Yes	
Air Vehicle FY06	54	5.157	ASC/YT WPAFB OH	Jun-01	C/FPO	FFP	Raytheon Aircraft Co Wichita, Kansas	Feb-06	Jun-07	Yes	

P-1 Shopping List Item No. 12

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

Exhibit P-5A, Procurement History and Planning	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 03, Trainer Aircraft, Item No. 12	P-1 Line Item Nomenclature 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 FY07	48	5.254	ASC/YT WPAFB OH	Mar-06	C/FPO	FFP	Hawker-Beechcraft Corp Wichita, Kansas	Feb-08	Mar-09	Yes	
Air Vehicle FY08	39	5.502	ASC/YT WPAFB OH	Mar-06	C/FPO	FFP	Hawker-Beechcraft Corp Wichita, Kansas	Mar-08	Apr-10	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 is in accordance with FAR Part 15.

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

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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						CSAR-X Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				0604261F		
	ID Code	Prior Years	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)					15.000	69.200	68.400	97.500	121.700		371.800
Weapon System Cost (\$ M)		0.000	0.000	0.000	15.000	69.200	68.400	97.500	121.700	0.000	371.800
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	15.000	69.200	68.400	97.500	121.700	0.000	371.800
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.

Following the initial contract award in November 2006, protests have delayed the start of this program.

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 but are not limited to light alloy castings and forgings, transmission system castings and forgings, structural assemblies, gearbox, and rotor assemblies.

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13	P-1 Line Item Nomenclature CSAR-X Advance Procurement
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Weapon System CSAR-X AP	First System Award Date Aug-09	First System Completion Date Feb-12
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(\$ in Millions)												
Description	PLT	When Rqd	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
End Item Qty							2	10	10	14		36
CFE						15.000	69.200	68.400	97.500	121.700		371.800
GFE												0.000
EOQ												0.000
Design												0.000
Term Liability												0.000
												0.000
TOTAL AP			0.000	0.000	0.000	15.000	69.200	68.400	97.500	121.700	0.000	371.800

Description

Dollars reflected above are advanced procurement for the CSAR-X helicopter, one year in advance of full funding.

Program is currently in source selection. Schedules and quantity are offeror-dependent and will be updated after contract award. Depending on offerors proposals, the CSAR-X contract flexibility may allow the program to buy advanced procurement for 4 aircraft in FY09 to support a future FY10 aircraft procurement of 4 aircraft.

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13	P-1 Line Item Nomenclature CSAR-X Advance Procurement
--	---

Weapon System
CSAR-X AP

(TOA, \$ in Millions)

<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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												15.000
GFE												
EOQ												
Design												
Term Liability												
TOTAL AP						0.000			0.000			15.000

Description
Dollars reflected above are advanced procurement for the CSAR-X helicopter, one year in advance of full funding.

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	7	3	5	6	5	5	5	5	7	48
Cost (\$ M)		820.169	305.536	450.730	409.027	387.646	350.039	359.148	353.991	518.577	3954.864
Advance Proc Cost (\$ M)		46.043	34.252	40.967	14.266	13.837	13.421	22.669	14.018	5.014	204.488
Weapon System Cost (\$ M)		866.213	339.788	491.697	423.293	401.483	363.460	381.817	368.009	523.592	4159.352
Initial Spares (\$ M)		141.352	45.356	75.658	41.297	79.606	64.483	60.569	85.473	63.315	657.109
Total Proc Cost (\$ M)		1007.565	385.144	567.355	464.590	481.089	427.943	442.386	453.482	586.907	4816.461
Flyaway Unit Cost (\$ M)		76.988	67.901	67.305	64.283	63.687	64.476	66.172	69.047	69.777	68.129
Wpn Sys Unit Cost (\$ M)		123.745	113.263	98.339	70.549	80.297	72.692	76.363	73.602	74.799	86.653

Description

FY2007 funding total includes \$99.252M in GWOT supplemental.

FY2008 funding totals do not include \$492.500M FY2008 GWOT requirements still pending Congressional consideration.

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long range, high speed, 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 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 is being 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.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 41314F.

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 Integrated Logistics Support. The funding request for CV-22 is included in the USAF Aircraft Initial Spares budget exhibits. Those funds will provide initial lay-in spares and Readiness Spares Packages for the six aircraft being procured (for Hurlburt Field) as well as 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

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Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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

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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Air Frame CFE	A	3	59.859	179.576	5	59.777	298.886	6	56.683	340.096
Engines/Accessories	A			12.386			22.121			27.124
CFE Electronics	A			0.300			0.306			0.312
GFE Electronics	A			4.806			9.437			11.571
Engineering Change Orders (ECO)	A			6.634			5.774			6.595
Nonrecurring Cost	A			9.327			3.830			7.940
Parts Obsolescence	A			1.440			2.253			2.296
TOTAL FLYAWAY COST				214.469			342.607			395.934
Airframe PGSE	A			4.816			9.042			0.030
Engine PGSE	A			0.196			0.803			0.000
Avionics PGSE	A			5.406			4.875			0.000
Peculiar Training Equipment	A			9.299			35.417			3.961
Publications/Technical Data	A			2.561			7.612			7.883
Other ILS	A			67.432			51.997			11.425
Production Engr Support	A			5.296			8.366			8.270
Common SE	A			6.343			9.945			10.457
Support ECO/Mod	A			0.100			0.215			0.079
SUPPORT COST				101.451			128.271			42.105
Gross P-1 Cost				315.920			470.878			438.039
Advance Procurement (Credit)				-10.384			-20.148			-29.012
Net P-1 Cost				305.536			450.730			409.027
Advance Procurement				34.252			40.967			14.266
Weapon System Cost				339.788	69		491.697			423.293
Initial Spares				45.356			75.658			41.297
TOTAL PROGRAM				339.788			491.697			423.293

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

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Exhibit P-5A, Procurement History and Planning						Date: February 2008					
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					

<u>Weapon System</u>					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 11 (FY07)	3	67.901	NAVAIR	Mar-06	SS	FFP	Bell-Boeing, Amarillo TX	May-07	Dec-08	Yes	
Aircraft Procurement Lot 12 (FY08)	5	67.305	NAVAIR	Jul-06	SS	FFP	Bell-Boeing, Amarillo TX	Feb-08	Mar-10	Yes	
Aircraft Procurement Lot 13 (FY09)	6	64.283	NAVAIR	Jul-06	SS	FFP	Bell-Boeing, Amarillo, TX	Jan-09	Jan-11	Yes	
Aircraft Procurement Lot 14 (FY10)	5	63.687	NAVAIR	Jul-06	SS	FFP	Bell-Boeing, Amarillo, TX	Jan-10	Dec-11	Yes	

Remarks
 FY08 through FY12 procurement will be ordered on Multi-Year contract scheduled to be awarded in Feb 2008.
 Unit cost is flyaway recurring unit cost

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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15						CV-22 (Osprey) Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)		46.043	34.252	40.967	14.266	13.837	13.421	22.669	14.018	5.014	204.488
Weapon System Cost (\$ M)		46.043	34.252	40.967	14.266	13.837	13.421	22.669	14.018	5.014	204.488
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		46.043	34.252	40.967	14.266	13.837	13.421	22.669	14.018	5.014	204.488
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide long range, high speed, 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 associated configuration items (CIs). The Air Force funds the procurement of the basic aircraft (V-22 common components) and contractor logistics support for operational testing and support, 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 2009 Program Justification

The FY09 budget includes \$14.3M for long lead items to support an FY08 through FY12 multi-year procurement contract.

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)										Date: February 2008		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15										P-1 Line Item Nomenclature CV-22 (Osprey) Advance Procurement		
Weapon System CV22AP					First System Award Date Mar-03					First System Completion Date Feb-06		
(\$ in Millions)												
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</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	34		7	3	5	6	5	5	5	5	7	48
CFE	34		46.043									46.043
GFE												0.000
EOQ												0.000
Design												0.000
Term Liability												0.000
EOQ/Long-Lead for FY08	32			20.148								20.148
EOQ/Long-Lead for FY09	32			0.820	28.192							29.012
EOQ/Long-Lead for FY10	32			5.325	3.596	14.266						23.187
EOQ/Long-Lead for FY11	32			3.352	4.865		13.837					22.054
EOQ/Long-Lead for FY12	32			4.607	4.314			13.421				22.342
EOQ/Long-Lead for FY13	32								22.669			22.669
EOQ/Long-Lead for FY14	32									14.018		14.018
EOQ/Long-Lead for FY15	32										5.014	5.014
TOTAL AP			46.043	34.252	40.967	14.266	13.837	13.421	22.669	14.018	5.014	204.488
Description												
Airframe CFE requirements are long lead parts and materials necessary to protect the delivery schedule. Includes (but is not limited to) 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.												

Exhibit P-10 p.2, Advance Procurement Requirements Analysis (Page 2 - Budget Justification)								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 15								P-1 Line Item Nomenclature CV-22 (Osprey) Advance Procurement				
Weapon System CV22AP												
<u>(TOA, \$ in Millions)</u>												
<u>Description</u>	<u>PLT</u>	<u>QPA</u>	<u>Unit Cost</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	34											
GFE												
EOQ												
EOQ/Long-Lead for FY08	32			5	Jun-07	20.148						
EOQ/Long-Lead for FY09	32			6	Jun-07	0.820	6	Feb-08	28.192			
EOQ/Long-Lead for FY10	32			5	Jun-07	5.325	5	Feb-08	3.596	5	Jan-09	14.266
EOQ/Long-Lead for FY11	32			5	Jun-07	3.352	5	Feb-08	4.865			
EOQ/Long-Lead for FY12	32			5	Jun-07	4.607	5	Feb-08	4.314			
EOQ/Long-Lead for FY13	32											
EOQ/Long-Lead for FY14	32											
EOQ/Long-Lead for FY15	32											
TOTAL AP						34.252			40.967			14.266
Description												
Airframe CFE requirements are long lead parts and material necessary to protect the delivery schedule, including (but not limited to) 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. 15						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 2008					
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						Combat Flight Inspection Aircraft (CFIN)					
Program Element for Code B Items:			N/A			Other Related Program Elements:				0305114F	
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A				1						1
Total Proc Cost (\$ M)			0.000	0.000	31.877	0.000	0.000	0.000	0.000		31.877

Description

The Combat Flight Inspection (CFIN) aircraft are used to perform in-flight wartime/peacetime/contingency inspections and evaluations of Air Traffic Control systems and procedures (e.g., instrument departures, arrivals, and approaches) to ensure that navigational aids (NAVAIDs) provide safe guidance for instrument flight, especially at night or adverse weather. Since 9/11 almost 600 CFIN sorties have been flown in support of OEF/OIF.

By a Memorandum Of Agreement (MOA) between the Air Force and the Federal Aviation Administration (FAA), the FAA accepted responsibility for the flight inspection program from the DOD in March 1991. As a part of this MOA, the AF transferred its organic CFIN aircraft to the FAA who assumed the responsibility to operate and maintain the fleet. The current CFIN aircraft is the C-29 Hawker which does not have the range and capacity to support current worldwide deployments, has an operational availability of 80%, and suffers from severe wet wing corrosion problems. These capability gaps and deficiencies limit the Air Force's ability to provide rapid and flexible support to mission tasking and have driven the Air Force and FAA to establish a program to replace the C-29 with the Bombardier Challenger 600 (CL-600) series aircraft. Six aircraft are required to support operational war plan tasking. Per the joint AF/FAA MOA, the FAA owns and maintains (maintenance and fuel) the CFIN aircraft and the Air Force provides flight crews. The joint Air Force/FAA MOA, also stipulates that the FAA will provide five new aircraft and the Air Force one. The FAA has already procured four CL-600 series aircraft and phased out three C-29s.

Purchase of this aircraft continues the conversion of the CFIN fleet from the C-29s to CL-600 series aircraft and satisfies the Air Force MOA commitment. Now that the Air Force has funded the fifth aircraft, the FAA will procure the sixth and final CFIN aircraft in FY08/09 which will allow phase-out of the last three C-29s.

FY 2009 Program Justification

The FY09 budget includes \$31.877M to procure one CL-600 aircraft as an optie last option year on the contract is FY09.

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16	P-1 Line Item Nomenclature Combat Flight Inspection Aircraft (CFIN)
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Manufacturer's Name/Plant City/State Location Bombardier Aerospace Corp	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Bombardier Challenger 600 (CL-600) aircraft								1	31.877	31.877
TOTAL PROGRAM										31.877

Comments

Exhibit P-5A, Procurement History and Planning	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 16	P-1 Line Item Nomenclature Combat Flight Inspection Aircraft (CFIN)

Weapon System CFIN	Subline Item Combat Flight Inspection Aircraft (CFIN)
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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?
Bombardier Aerospace Corp	1	31.877	FAA/AMQ 340, Oklahoma City, OK	Dec-03	C	FFP	Bombardier Aerospace Corp	Jan-09	Nov-09	Yes	

Remarks

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Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17	P-1 Line Item Nomenclature C-40

Program Element for Code B Items:	N/A	Other Related Program Elements:	None								
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A			2		1	1				4
Total Proc Cost (\$ M)			0.000	48.287	0.000	27.880	25.792	0.000	0.000		101.959

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. FY10-11 funding purchases C-40s leased from Boeing under FY02 authorizing legislation. Air Force plans to purchase the aircraft at pre-negotiated prices as lease terms expire.

FY 2009 Program Justification
 No activity planned.

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 17	P-1 Line Item Nomenclature C-40
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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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
AIRCRAFT PURCHASE	A				2	24.144	48.287			
TOTAL PROGRAM						48.287				

Comments

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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18						Civil Air Patrol					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	10.152	6.235	2.435	2.470	2.493	2.539	2.593		39.344
Advance Proc Cost (\$ M)		0.000									0.000
Weapon System Cost (\$ M)		10.427	10.152	6.235	2.435	2.470	2.493	2.539	2.593	0.000	39.344
Initial Spares (\$ M)		0.000									0.000
Total Proc Cost (\$ M)		10.427	10.152	6.235	2.435	2.470	2.493	2.539	2.593	0.000	39.344
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 2009 Program Justification

Award the production contract for 5 Cessna 182T's. This Cesna 182T is a 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.

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis						Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18						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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Avionics										
Cessna 182T		23	0.438	10.077	12	0.526	6.308	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				-0.006			-0.237			-0.052
FLYAWAY COST SUBTOTAL				10.152			6.235			2.435
Airframe Peculiar Ground Support Equipment (PGSE)										
Engine PGSE										
Peculiar Training Equipment										
Publications/Technical Data										
ECOs										
Other										
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM				10.152			6.235			2.435
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. CAP also maintains a smaller fleet of gliders that are used to support the Cadet Program.										
P-1 Shopping List Item No. 18						Weapon System Cost Analysis Exhibit P-5, page 2 of 5				

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18	P-1 Line Item Nomenclature 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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost

*Note 1: Proceeds are derived from the sale of old aircraft IAW DoDGARS 32.34(e)

DESCRIPTION

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.

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.

Blanik L23 Glider: Two seat, all metal, fixed-wing glider.

SAGEM Satellite Digital Imaging System: Integrated system consisting of satellite phone, dialer, camera, and computer.

BYCA Ground Power Unit: 24 volt ground power supply.

Becker DF-517: Automatic direction finder that tracks emergency signal transmitted by downed aircraft.

Exhibit P-5A, Procurement History and Planning	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 18	P-1 Line Item Nomenclature Civil Air Patrol

<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 Redetermination 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 2008					
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						Target Drones					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	73.512	77.079	70.576	73.034	76.279	38.480	92.952	N/A	N/A
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		N/A	73.512	77.079	70.576	73.034	76.279	38.480	92.952	N/A	N/A
Initial Spares (\$ M)		N/A	0.383	0.476	0.518	0.532	0.538	0.549	0.559	N/A	N/A
Total Proc Cost (\$ M)		N/A	73.895	77.555	71.094	73.566	76.817	39.029	93.511	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 subscale (BQM-167 Air Force Subscale Aerial Target--AFSAT) target drones and full-scale QF-4 and the follow-on full-scale QF-16 to include funding required for procurement of pre positioned Government Furnished Property. These targets are 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.

This program has associated Research Development Test and Evaluation funding in PE 35116F.

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 purchase of full-scale and subscale 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.

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis						Date: February 2008				
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						Target Drones				
Manufacturer's Name/Plant City/State Location						Subline Item				
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		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		13	1.227	15.952	12	1.431	17.168	9	1.452	13.068
F-4 In Plant Repairs		13	0.050	0.645	12	0.052	0.625	9	0.055	0.491
Edwards AFB Backshop and MILSTRIP Support		13	0.047	0.615	12	0.051	0.615	9	0.057	0.516
Aircraft Withdrawal/Aerospace Maintenance and Regeneration Group (AMARG)										
Restricted-Unmanned		9	0.970	8.730	3	1.050	3.150	4	1.103	4.410
Unrestricted - Manned		4	1.100	4.400	9	1.250	11.250	5	1.313	6.563
TOTAL RECURRING FLYAWAY COST				30.342			32.808			25.048
Engineering Change Orders/Engineering Change Proposals				3.673			3.000			3.000
TOTAL NON-RECURRING FLYAWAY COST				3.673			3.000			3.000
FSAT Program Life Extension				1.700			1.700			1.700
Productionization of new F-4 Models										
Data/Tech Manuals				0.390			0.401			0.413
Special Program Requirements							1.300			1.050
OTHER PRODUCTION COSTS				2.090			3.401			3.163
Government Support				2.559			2.688			2.852
PROGRAM SUPPORT COSTS				2.559			2.688			2.852
AIR FORCE SUBSCALE AERIAL TARGET										
Production Article		42	0.570	23.958	50	0.569	28.448	46	0.704	32.398
ECP/ECO				7.517			3.904			1.209
Data/Tech Manuals/Training				0.067			0.071			0.075
Warranty	A									
Airworthiness Certification				1.428						
Peculiar Support Equipment										
Special Program Requirements							0.810			1.088
FLYAWAY COSTS				32.970			33.233			34.770

P-1 Shopping List Item No. 19

Weapon System Cost Analysis
Exhibit P-5, page 2 of 11

Exhibit P-5A, Procurement History and Planning								Date: February 2008			
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								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?
FY07 (FULLSCALE)	13	2.344	691ST ARSS		C	Option	BAE SYSTEMS, MOJAVE, CA	Apr-07	Aug-08	Yes	
FY08 (FULLSCALE)	12	2.636	691ST ARSS		C	Option	BAE SYSTEMS, MOJAVE, CA	Dec-07	Aug-09	Yes	
FY09 (FULLSCALE)	9	2.677	691ST ARSS		C	Option	BAE SYSTEMS, MOJAVE CA	Dec-08	Aug-10	Yes	
FY10 (FULLSCALE)	9	3.009	691ST ARSS		C	FFP	BAE SYSTEMS, MOJAVE CA	Dec-09	Aug-11	Yes	
FY11 (FULLSCALE)	9	3.094	691ST ARSS		C	Option	BAE SYSTEMS, MOJAVE CA	Dec-10	Aug-12	Yes	
FY07 (SUBSCALE)	42	0.570	691ST ARSS		C	Option	Composite Engineering Inc., Sacramento CA	Apr-07	Apr-08	Yes	
FY08 (SUBSCALE)	50	0.569	691ST ARSS		C	Option	Composite Engineering Inc., Sacramento CA	Jan-08	Jan-09	Yes	
FY09 (SUBSCALE)	46	0.704	691ST ARSS		C	FFP	Composite Engineering Inc., Sacramento CA	Jan-09	Jan-10	Yes	
FY10 (SUBSCALE)	43	0.723	691ST ARSS		C	Option	Composite Engineering Inc., Sacramento CA	Jan-10	Jan-11	Yes	
FY11 (SUBSCALE)	51	0.727	691ST ARSS		C	Option	Composite Engineering Inc., Sacramento CA	Jan-11	Jan-12	Yes	
FY12 (SUBSCALE)	40	0.762	691ST ARSS		C	Option	Composite Engineering Inc., Sacramento CA	Jan-12	Jan-13	Yes	
FY13 (SUBSCALE)	41	0.762	691ST ARSS		C	Option	AFSAT /Composite Engineering Inc.	Jan-13	Jan-14	Yes	
Remarks											

Exhibit P-21, Production Schedule Date: February 2008

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 **Target Drones**

PROCUREMENT YEAR	SERV	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												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP				
2006	USAF	24	7	17	3	3	3	3	5																			0				
2007	USAF	42	0	42						0	3	3	3	3	3	3	4	4	4	4	4	4						0				
2008	USAF	69	0	69																			4	4	4	5	5	5	42			
2009	USAF	46	0	46																								46				
2010	USAF	43	0	43																								43				
2011	USAF	51	0	51																								51				
2012	USAF	40	0	40																								40				
2013	USAF	42	0	42																								42				
TOTAL		357	7	350	3	3	3	3	5	0	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	5	5	5	264			

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT	
		MIN SUST	SHIFT HOURS	MAX	ADMIN LEAD TIME	PRIOR 1 OCT	AFTER 1 OCT				
AFSAT /Composite Engineering Inc.		1	1/8/5	2							
					INITIAL					11	9
					REORDER					4	5

REMARKS

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Exhibit P-40, Budget Item Justification						Date: February 2008					
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					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	19	5	5	5	5	5	5	5	TBD	TBD
Cost (\$ M)		1071.500	391.915	510.530	658.319	462.039	473.790	496.573	475.061	TBD	TBD
Advance Proc Cost (\$ M)		266.155	50.699	63.409	53.832	54.949	59.700	62.100		TBD	TBD
Weapon System Cost (\$ M)		1337.655	442.614	573.939	712.151	516.988	533.490	558.673	475.061	TBD	TBD
Initial Spares (\$ M)		0.000		6.953						0.000	6.953
Total Proc Cost (\$ M)		1337.655	442.614	580.892	712.151	516.988	533.490	558.673	475.061	TBD	TBD
Flyaway Unit Cost (\$ M)		59.000	76.636	84.245	100.926	79.740	79.352	95.344	101.600	TBD	TBD
Wpn Sys Unit Cost (\$ M)		65.974	75.743	100.697	120.275	89.008	91.008	107.183	94.317	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, 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; however, they are not included in the Weapon System Unit Cost per definition. 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). In FY08, \$6.953M was added to the initial spares line by Congress to purchase weapon system spares.											
Throughout the FYDP, the program will continue modernization 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.											
P-1 Shopping List Item No. 20						Budget Item Justification Exhibit P-40, page 1 of 26					

Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20	P-1 Line Item Nomenclature GLOBAL HAWK
<p><u>Description Continued</u></p> <p>This program has associated Research Development Test and Evaluation funding in PE 0304260F, and PE 0207423F and PE 0207450F.</p> <p><u>FY 2009 Program Justification</u></p> <p>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), and associated support systems. Additionally, the Air Force will need to increase the number of planned Global Hawk ground stations. If the opportunity to add fiscal resources is achieved in FY09, then advanced procurement will be added for at least one more Global Hawk Ground Station.</p>	
P-1 Shopping List Item No. 20	Budget Item Justification Exhibit P-40, page 2 of 26

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20	P-1 Line Item Nomenclature GLOBAL HAWK

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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Aircraft (RQ-4A/RQ-4B) (1)	A	5	64.640	323.199	5	80.379	401.894	5	94.066	470.328
Common Ground Station	A	3	19.993	59.980	1	19.329	19.329	2	17.150	34.300
Infrastructure Support (2)	A						140.006			217.100
Interim Contractor Support	A			72.857						
Adv Procurement - Credit	A			-64.121			-50.699			-63.409
Adv Procurement - Debit	A			50.699			63.409			53.832
TOTAL PROGRAM				442.614			573.939			712.151

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 2008			
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			
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. 20

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

Exhibit P-5A, Procurement History and Planning	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20	P-1 Line Item Nomenclature GLOBAL HAWK

<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	84.633	303 AESG/PK		SS	TBD	Northrop Grumman, Rancho Bernardo, CA	May-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	May-07	Feb-10	No	N/A
FY 2008											
5 Global Hawk Aircraft and 1 GS	5	99.708	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	111.216	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 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 20	P-1 Line Item Nomenclature GLOBAL HAWK
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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	
2004	USAF	1	0	1																								1	
2005	USAF	1	0	1																								1	
2006	USAF	1	0	1																								1	
2007	USAF	3	0	3																								3	
2008	USAF	1	0	1																								1	
2009	USAF	2	0	2																								2	
TOTAL		9	0	9																								9	

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			
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 2008					
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						GLOBAL HAWK Advance Procurement					
Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)		266.155	50.699	63.409	53.832	54.949	59.700	62.100		TBD	TBD
Weapon System Cost (\$ M)		266.155	50.699	63.409	53.832	54.949	59.700	62.100	0.000	TBD	TBD
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		266.155	50.699	63.409	53.832	54.949	59.700	62.100	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											
Description											
<p>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.</p> <p>This funding is procuring the highly capable Global Hawk System, which is comprised of aircraft, payloads, ground segment, and support segment. The aircraft is an autonomous, high altitude, long endurance, unmanned aircraft systems (UAS). The RQ-4A is an imagery-intelligence (IMINT) UAS 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 UAS 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 signals intelligence (SIGINT) sensor called the Advanced Signals Intelligence Program (ASIP) sensor used simultaneously to create 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 mix of 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 operation of the Global Hawk System.</p> <p>The Global Hawk program went through a Title 10, Section 2433 review in 2006, due to a unit cost breach (informally known as Nunn-McCurdy breach). 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).</p> <p>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). In FY08, \$6.953M was added to the initial spares line by Congress to purchase weapon system spares.</p> <p>Throughout the FYDP, the program will continue modernization 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</p>											
P-1 Shopping List Item No. 21						Budget Item Justification Exhibit P-40, page 1 of 4					

Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 21	P-1 Line Item Nomenclature GLOBAL HAWK Advance Procurement
<p><u>Description Continued</u></p> <p>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.</p> <p>This program has associated Research Development Test and Evaluation funding in PE 0304260F, 0207423F, 0207450F.</p> <p><u>FY 2009 Program Justification</u></p> <p>FY09 advance procurement purchases select aircraft and sensor long-lead components necessary to produce the Lot of UAS systems planned for FY10 which will begin delivery in FY12. The advance procurement includes five Global Hawk RQ-4B aircraft (with optimal payload configurations and quantity as determined by the user), and associated support systems. Additionally, the Air Force will need to increase the number of planned Global Hawk ground stations, due to updated planning and employment factors. If the opportunity to add fiscal resources is achieved in FY09, then advanced procurement will be added for at least one more Global Hawk Ground Station.</p>	
P-1 Shopping List Item No. 21	Budget Item Justification Exhibit P-40, page 2 of 4

Exhibit P-10 p.1, Advance Procurement Requirements Analysis (Page 1 - Funding)								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 21								P-1 Line Item Nomenclature GLOBAL HAWK Advance Procurement				
Weapon System HAE_AP				First System Award Date Jun-01				First System Completion Date Sep-03				
(\$ in Millions)												
<u>Description</u>	<u>PLT</u>	<u>When Rqd</u>	<u>Prior Years</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			19	5	5	5	5	5	5	5	TBD	54
CFE			266.155	50.699	63.409	53.832	54.949	59.700	62.100	0.000	TBD	610.844
GFE			0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	TBD	0.000
EOQ				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
Design				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
Term Liability				N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	0.000
												0.000
TOTAL AP			266.155	50.699	63.409	53.832	54.949	59.700	62.100	0.000	0.000	610.844
Description												
CFE figures are the long lead funding costs for Global Hawk aircraft with associated payloads and the GS (MCE and LRE).												
P-1 Shopping List Item No. 21						Advance Procurement Requirements Analysis (Page 1 - Funding) Exhibit P-10 p.1, page 3 of 4						

Exhibit P-40, Budget Item Justification						Date: February 2008					
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						PREDATOR UAV					

Program Element for Code B Items:		0305219F			Other Related Program Elements:				0305205F		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A	198	60	24	38	42	26	24	18	TBD	TBD
Total Proc Cost (\$ M)		1447.900	676.148	276.120	378.703	247.736	149.131	131.817	109.904	TBD	TBD

Description

FY2007 funding total includes \$443.7M in GWOT supplemental.
 FY2008 funding totals do not include \$191.6M FY2008 GWOT requirements still pending Congressional consideration.
 FY2007 includes funding for both the MQ-1 and MQ-9.
 The MQ-9 Program moved to PE 0205219F in FY08. Historical MQ-9 accomplishments remain in this document.

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.

Breakout of aircraft quantities:

	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
MQ-1	24	48	24	38	42	26	24	18
MQ-9	2	12						
Total	26	60	24	38	42	26	24	18

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), hyper-spectral sensors, communications, Target Location Accuracy and other sensor packages) to satisfy new requirements and address reliability and maintainability (R&M) 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) and a Dual Control Mobile GCS (DCMGCS) allows for servicing, systems checks, maintaining, launching, and recovering aircraft under LOS control for hand-off to a mobile or fixed GCS. The GCS

Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22	P-1 Line Item Nomenclature PREDATOR UAV
<p><u>Description Continued</u></p> <p>will continue to evolve and upgrade its capabilities to keep pace with 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> <p>This program has associated Research Development Test and Evaluation funding in PE 0304260F and 0205219F.</p> <p><u>FY 2009 Program Justification</u></p> <p>Procurement funding includes MQ-1 aircraft, sensors and weapons kits, mobile and fixed Ground Control Stations (GCS), Launch and Recovery Elements (LRE), Ground Communication Systems, simulators & 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	Budget Item Justification Exhibit P-40, page 2 of 30

Exhibit P-5, Weapon System Cost Analysis					Date: February 2008					
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					PREDATOR UAV					
Manufacturer's Name/Plant City/State Location					Subline Item					
General Atomics ASI/Rancho Bernardo/CA										
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
MQ-1 Predator Aircraft (1)	A	48	3.810	182.883	24	3.999	95.977	38	4.383	166.566
MQ-9 Reaper Aircraft (2)	A	12	11.837	142.044						
P3I (1A)	A									61.918
Production Support (3)	A			15.970			9.573			10.536
Ground Control Systems (4)	A	29		92.538	24		53.432	14		33.146
Communication Systems (5)	A	6		16.424	8		22.400	5		11.764
Initial/Deployment Support Kits (6)	A			176.086			70.414			56.684
Support Equipment (7)	A			39.607			24.324			32.089
Training Device/Simulator	A			10.596						6.000
TOTAL PROGRAM				676.148			276.120			378.703
Comments										
(1) Average unit cost includes aircraft with MTS laser sensor and Hellfire capability.										
(1A) P3I supports additional cost to transition to MQ-1C and ASIP 1C Installs.										
(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 and other ground systems to include launch and recovery elements.										
(5) Quantity for Communication Systems includes Predator SATCOM System in FY08 and beyond. This line also 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.										
P-1 Shopping List Item No. 22					Weapon System Cost Analysis Exhibit P-5, page 3 of 30					

Exhibit P-5A, Procurement History and Planning								Date: February 2008			
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								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 AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-01	Jan-03	Yes	
MQ-9/General Atomics ASI	6		658th AESS/PK WPAFB OH		SS	Other	MQ-9/General Atomics ASI, Rancho Bernardo, CA	Oct-01	Dec-01	Yes	
FY 2003											
RQ-1/MQ-1/General Atomics ASI	22		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-02	Jul-04	Yes	
MQ-9/General Atomics ASI	3		658th AESS/PK WPAFB OH		SS	FPIF	MQ-9/General Atomics ASI, Rancho Bernardo, CA	Jan-04	Jun-05	Yes	
FY 2004											
RQ-1/MQ-1/General Atomics ASI	10		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Jul-04	Sep-05	Yes	
MQ-9/General Atomics ASI	5		658th AESS/PK WPAFB OH		SS	FPIF	MQ-9/General Atomics ASI, Rancho Bernardo, CA	Aug-04	Oct-06	Yes	
GCS/General Atomics ASI	7		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Mar-04	Aug-05	Yes	
PPSL/L-3 Comm	7		658th AESS/PK WPAFB OH		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 AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Nov-04	Feb-06	Yes	
MQ-9/General Atomics ASI	5		658th		SS	FPIF	MQ-9/General Atomics	Oct-05	May-07	Yes	

P-1 Shopping List Item No. 22

Procurement History and Planning
Exhibit P-5A, page 4 of 30

Exhibit P-5A, Procurement History and Planning								Date: February 2008			
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								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?
			AESS/PK WPAFB OH				ASI, Rancho Bernardo, CA				
GCS/General Atomics ASI	7		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Sep-06	Aug-08	Yes	
PPSL/L-3 Comm	1		658th AESS/PK WPAFB OH		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 AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Jul-06	Apr-07	Yes	
MQ-9/General Atomics ASI	2		658th AESS/PK WPAFB OH		SS	FPIF	MQ-9/General Atomics ASI, Rancho Bernardo, CA	Oct-06	May-08	Yes	
GCS/General Atomics ASI	12		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Sep-06	Apr-08	Yes	
FY 2007											
RQ-1/MQ-1/General Atomics ASI	48		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Sep-07	Sep-08	Yes	
MQ-9/General Atomics ASI	12		658th AESS/PK WPAFB OH		SS	FFP	MQ-9/General Atomics ASI, Rancho Bernardo, CA	Jun-07	Mar-09	Yes	
GCS/General Atomics ASI	29		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Sep-07	Apr-09	Yes	
PPSL/L-3 Comm	6		658th AESS/PK WPAFB OH		SS	FFP	PPSL/L-3 Comm, Salt Lake City, UT	Sep-07	Feb-08	Yes	
FY 2008											
RQ-1/MQ-1/General	24		658th		SS	FFP	RQ-1/MQ-1/General	Apr-08	Sep-09	Yes	

P-1 Shopping List Item No. 22

Procurement History and Planning
Exhibit P-5A, page 5 of 30

Exhibit P-5A, Procurement History and Planning								Date: February 2008			
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								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?
Atomics ASI			AESS/PK WPAFB OH				Atomics ASI, Rancho Bernardo, CA				
GCS/General Atomics ASI	24		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Jun-08	May-10	Yes	
MQ-1 SATCOM	8		658th AESS/PK WPAFB OH		SS	FFP	MQ-1 SATCOM/L-3 Comm, Salt Lake City, UT	May-08	May-09	Yes	
FY 2009											
RQ-1/MQ-1/General Atomics ASI	38		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-09	Sep-10	Yes	
GCS/General Atomics ASI	14		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Jun-09	Feb-12	Yes	
MQ-1 SATCOM	5		658th AESS/PK WPAFB OH		SS	FFP	MQ-1 SATCOM/L-3 Comm, Salt Lake City, UT	May-09	May-10	Yes	
FY 2010											
RQ-1/MQ-1/General Atomics ASI	42		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-10	Aug-11	Yes	
GCS/General Atomics ASI	3		658th AESS/PK WPAFB OH		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Jun-10	Jan-14	Yes	
MQ-1 SATCOM	1		658th AESS/PK WPAFB OH		SS	FFP	MQ-1 SATCOM/L-3 Comm, Salt Lake City, UT	May-10	May-11	Yes	
FY 2011											
RQ-1/MQ-1/General Atomics ASI	26		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-11	Aug-12	Yes	
FY 2012											

P-1 Shopping List Item No. 22

Procurement History and Planning
Exhibit P-5A, page 6 of 30

Exhibit P-5A, Procurement History and Planning	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22	P-1 Line Item Nomenclature 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?
RQ-1/MQ-1/General Atomics ASI	24		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-12	Mar-13	Yes	
FY 2013											
RQ-1/MQ-1/General Atomics ASI	18		658th AESS/PK WPAFB OH		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-13	Apr-14	Yes	

Remarks

Exhibit P-21, Production Schedule Date: February 2008

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 **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	3	3	2		12		
2007	USAF	48	0	48																							48		
2008	USAF	24	0	24																							24		
2009	USAF	38	0	38																							38		
2010	USAF	42	0	42																							42		
2011	USAF	26	0	26																							26		
2012	USAF	24	0	24																							24		
2013	USAF	18	0	18																							18		
TOTAL		276	2	274	1	2	2	2	2	2	2	2	2	2	1	2	1	2	1	2			2	2	3	3	2	232	

PRODUCTION RATES					PROCUREMENT LEAD TIME											
ITEM/MANUFACTURER'S NAME	LOCATION	MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT	INITIAL REORDER							
					PRIOR 1 OCT	AFTER 1 OCT										
RQ-1/MQ-1/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	48	6	6	14	20								
					1	1	14	15								

REMARKS

Exhibit P-21, Production Schedule Date: February 2008

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 **PREDATOR UAV**

PROCUREMENT YEAR	SERV	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												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2006	USAF	24	12	12	1	2	2	2	2	2	1															0			
2007	USAF	48	0	48							2	1	2	2	2	4	4	4	4	4	4	4	4	4	3	0			
2008	USAF	24	0	24																				1	4	15			
2009	USAF	38	0	38																						38			
2010	USAF	42	0	42																						42			
2011	USAF	26	0	26																						26			
2012	USAF	24	0	24																						24			
2013	USAF	18	0	18																						18			
TOTAL		244	12	232	1	2	2	2	2	2	1	2	1	2	2	2	4	4	4	4	4	4	4	4	4	4	163		

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT
		MIN SUST	SHIFT HOURS	MAX	ADMIN LEAD TIME		INITIAL	REORDER		
RQ-1/MQ-1/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	48						
									6	6
									1	1

REMARKS

Exhibit P-21, Production Schedule Date: February 2008

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 **PREDATOR UAV**

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	
2004	USAF	7	2	5		1	1		1	1		1															0		
2005	USAF	7	0	7																							7		
2006	USAF	12	0	12																						1	11		
2007	USAF	29	0	29																							29		
2008	USAF	24	0	24																							24		
2009	USAF	14	0	14																							14		
2010	USAF	3	0	3																							3		
2011	USAF	0	0	0																							0		
2012	USAF	0	0	0																							0		
TOTAL		96	2	94		1	1		1	1		1														1	88		

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				
					6	6	14	20		
					1	1	14	15		

REMARKS
 Quantity for Ground Systems includes mobile and fixed GCSs and other ground systems to include launch and recovery elements.

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Exhibit P-21, Production Schedule	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22	P-1 Line Item Nomenclature PREDATOR UAV
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PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2011	BALANCE DUE AS OF 1 OCT 2011	FISCAL YEAR 2012												FISCAL YEAR 2013												L A T E R
					2011			CALENDAR YEAR 2012									CALENDAR YEAR 2013												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2008	USAF	24	12	12	2	1	2	1	1		1		1		1		1		1		1		1		1		0		
2009	USAF	14	0	14						2	1	2	1	1					1		1		1		1	1	2		
TOTAL		38	12	26	2	1	2	1	3	1	3	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2			

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								
GCS/General Atomics ASI	Rancho Bernardo, CA	0	1-8-5	12	6	6				14	20			
					1	1				14	15			

REMARKS
Quantity for Ground Systems includes mobile and fixed GCSs and other ground systems to include launch and recovery elements.

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Exhibit P-40, Budget Item Justification							Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number							P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23							MQ-9				
Program Element for Code B Items:			0205219F			Other Related Program Elements:			0305219F		
	ID Code	Prior Years	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	58.075	161.439	193.378	190.039	144.785	147.156		894.872
Description											
<p>Note: Prior to FY08 MQ-9 was in PE 0305219F (MQ-1 Predator).</p> <p>FY07 GWOT funding for MQ-9 was \$247.6M and was included in MQ-1 Predator PE</p> <p>FY08 funding totals do not include \$149.1M FY2008 GWOT requirements still pending</p> <p>Reaper procurement includes all components of the MQ-9 weapon system. The basic MQ-9 system consists of the aircraft, sensors, a control station, communications equipment, weapon kits, 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>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, EO/IR, and laser designator -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, Hellfire); 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 and weapon packages), and address reliability and maintainability 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 system capabilities and the missions they perform.</p>											
P-1 Shopping List Item No. 23							Budget Item Justification Exhibit P-40, page 1 of 15				

Exhibit P-40, Budget Item Justification	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23	P-1 Line Item Nomenclature MQ-9

Description Continued

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

FY 2009 Program Justification

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 & training devices, production support, Ground Data Terminals (GDT), initial spares, Readiness Spares Packages (RSP), support equipment, and initial technical data/training.

Exhibit P-5, Weapon System Cost Analysis						Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23						MQ-9				
Manufacturer's Name/Plant City/State Location						Subline Item				
General Atomics ASI/Rancho Bernardo/CA										
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
MQ-9 Reaper Aircraft (1)	A				4	11.873	47.493	9	10.782	97.036
Production Support (2)	A						9.740			9.383
Ground Control Systems (3)	A									10.074
Communication Systems (4)	A							1		2.353
Initial/Deployment Support Kits(5)	A						0.842			27.651
Support Equipment (6)	A									11.259
Training Device/Simulator	A									3.683
TOTAL PROGRAM							58.075			161.439
Comments										
(1) MQ-9 total aircraft cost includes Multi-spectral Targeting System (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 SATCOM Link (PPSL) Systems. Additionally, this line funds other communication equipment.										
(5) Deployment support kit unit cost varies base on kit content.										
(6) Integrated Logistics Support includes initial spares, support equipment, technical data/training, and organic repair capability startup for the MTS laser sensor.										
(7) FY10 unit cost increase from FY09 is result of two factors - FY09 unit cost includes no Engineering Change Order risk funding and FY10 unit cost also begins to factor in additional capability like 45 kVa and comm system upgrades)										
(8) FY12 unit cost increase from FY11 is a result of Systems Engineering Program Management (SEPM) cost being spread accross less aircraft (8 vs. 11).										
P-1 Shopping List Item No. 23						Weapon System Cost Analysis Exhibit P-5, page 3 of 15				

Exhibit P-5A, Procurement History and Planning								Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature				
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23								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	Apr-08	Aug-09	Yes		
FY 2009												
MQ-9/General Atomics ASI	9		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-09	Dec-09	Yes		
PPSL/L-3 Comm	1		658th/PK		SS	FFP	PPSL/L-3 Comm	Mar-09	May-10	Yes		
FY 2010												
MQ-9/General Atomics ASI	11		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-10	Dec-10	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	Mar-10	May-11	Yes		
FY 2011												
MQ-9/General Atomics ASI	11		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-11	Nov-11	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	Mar-10	May-11	Yes		
FY 2012												
MQ-9/General Atomics ASI	8		658th/PK		SS	FFP	MQ-9/General Atomics ASI	Feb-12	Oct-12	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-13	Yes		
GCS/General Atomics ASI	2		658th/PK		SS	FFP	GCS/General Atomics ASI	Feb-13	Feb-14	Yes		
Remarks												

Exhibit P-21, Production Schedule	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23	P-1 Line Item Nomenclature MQ-9
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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	8	0																								0	
2013	USAF	8	4	4	1	1	1	1																				0	
TOTAL		16	12	4	1	1	1	1																				0	
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
		PRODUCTION RATES			PROCUREMENT LEAD TIME																								
		MIN SUST			SHIFT HOURS DAYS			M A X			ADMIN LEAD TIME			MFG TIME			TOTAL AFTER 1 OCT												
ITEM/MANUFACTURER'S NAME		LOCATION									PRIOR 1 OCT			AFTER 1 OCT															
MQ-9		Rancho Bernardo, CA			6			1-8-5			18																		
											INITIAL			6			6			19			25						
											REORDER			1			1			19			20						
REMARKS																													

Exhibit P-21, Production Schedule Date: February 2008

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23 **MQ-9**

PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2009	BALANCE DUE AS OF 1 OCT 2009	FISCAL YEAR 2010												FISCAL YEAR 2011												L A T E R
					2009			CALENDAR YEAR 2010									CALENDAR YEAR 2011												
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
2009	USAF	5	0	5	1	1	1	1	1																		0		
2010	USAF	4	0	4												1	1	1	1								0		
2011	USAF	1	0	1																							1		
2012	USAF	4	0	4																							4		
2013	USAF	6	0	6																							6		
TOTAL		20	0	20	1	1	1	1	1	1						1	1	1	1								11		
					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	
ITEM/MANUFACTURER'S NAME		LOCATION	PRODUCTION RATES		PROCUREMENT LEAD TIME																								
			MIN SUST	SHIFT HOURS DAYS	MAX	ADMIN LEAD TIME						MFG TIME	TOTAL AFTER 1 OCT																
GCS		Rancho Bernardo, CA	0	1-8-5	12																								
						INITIAL																							
						REORDER																							

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

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Exhibit P-21, Production Schedule	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 23	P-1 Line Item Nomenclature MQ-9
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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	
2013	USAF	6	0	6	1	1	1	1	1	1	1																0		
TOTAL		6	0	6	1	1	1	1	1	1	1															0			

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			
GCS	Rancho Bernardo, CA	0	1-8-5	12					
					INITIAL	6	6	19	25
					REORDER	1	1	19	20

REMARKS

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FY 2009 BUDGET ESTIMATES
BUDGET ACTIVITY 06 – AIRCRAFT SPARES AND REPAIR PARTS
FEBRUARY 2008

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Exhibit P-40, Budget Item Justification	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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Program Element for Code B Items:	N/A				Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)			236.244	254.651	257.001	374.516	503.317	622.770	660.253	N/A	N/A

Description

FY2007 funding total includes \$2.48M in GWOT supplemental.

FY2008 funding totals do not include \$116.9M FY2008 GWOT requirements still pending Congressional consideration.

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 repairable 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 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-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
INITIAL SPARES (Budget Program 16)				236.244			254.651			257.001
TOTAL PROGRAM				236.244			254.651			257.001

Comments

UNCLASSIFIED

Exhibit P-18A, Initial Spare Funding Summary			Date: February 2008		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63			P-1 Line Item Nomenclature Aircraft Initial Spares		
Initial Spare Funding Summary	Initial Spare Funding Summary				
<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	
1	B-52 Squadrons	1.532	7.364	0.064	
2	B-1B Squadrons	5.332	5.913	3.221	
3	B-2 Squadrons	2.083	4.676	1.063	
4	F-15A/B/C/D Squadrons	2.731	0.584	1.592	
5	A-10 Squadrons	0.234	3.360	0.329	
6	F-16 Squadrons	12.422	16.742	12.953	
7	F-15E Squadrons	4.313	1.671	1.279	
8	F-22A Squad	0.000	3.475	7.483	
9	Joint Strike Fighter Squadrons (F-35)	77.011	38.007	69.696	
10	Low Observables Test Equipment (CLOVER)	0.000	0.000	0.000	
11	Combat Rescue and Recovery (HH-60G)	0.680	0.350	0.470	
12	Precision Attack Systems (Other)	2.140	1.960	3.800	
13	COMPASS CALL	11.333	13.371	15.929	
14	Airborne Warning and Control System (AWACS)	5.832	7.800	8.071	
15	Combat Training Range Equipment	1.168	1.592	1.639	
16	JOINT STARS (E-8C)	0.895	1.329	1.440	
17	Full Combat Mission Training	0.000	1.659	2.486	
18	Combat Development	0.100	0.133	0.137	
19	E-4B National Airborne Operations Center (NAOC)	0.118	0.653	2.421	
20	MILSATCOM Terminals (Other)	0.766	0.000	0.000	
21	Aerial Targets (Target Drones)	0.383	0.509	0.524	
22	Manned Reconnaissance System (RC-135S)	31.601	30.062	27.411	
23	C-130 Airlift Squadrons	19.459	0.000	18.861	
24	KC-135S	12.810	10.505	18.455	
25	VC-25A (Operational Support Airlift)	0.406	0.540	0.555	
26	CV-22 Osprey	28.352	81.672	41.459	
27	Special Operations Forces	14.486	13.691	0.829	
28	C-130 TACTICAL ALFT SQDNS (ANG)	0.003	0.004	0.004	
29	T-43 Mods	0.043	0.057	0.059	
30	Undergraduate Pilot TNG	0.011	0.019	0.021	
31	Fighter Tactical Data Link	0.000	0.000	0.000	
32	JPATS	0.000	0.000	14.750	

P-1 Shopping List Item No. 63

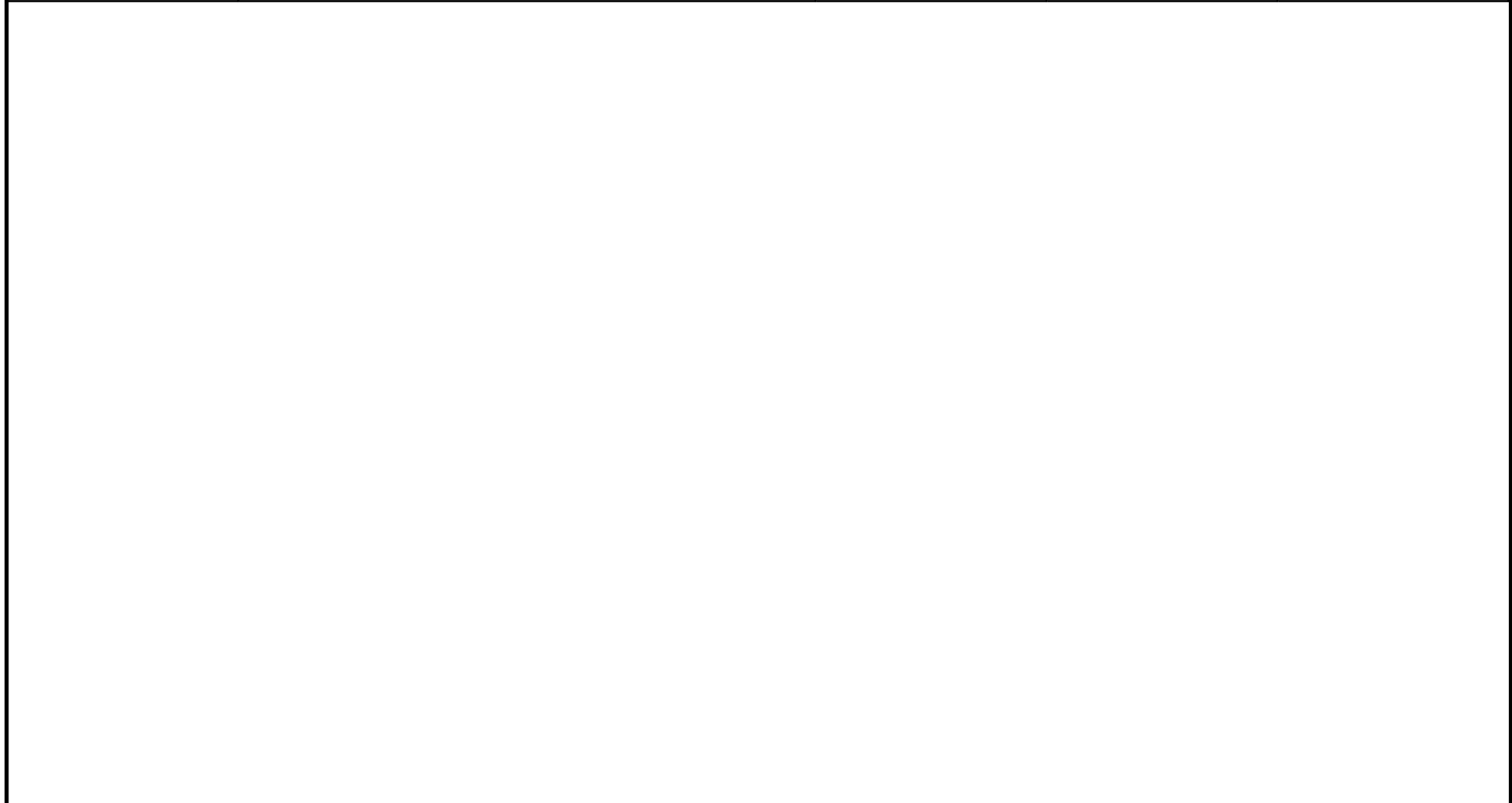
Initial Spare Funding Summary
Exhibit P-18A, page 3 of 5

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Exhibit P-18A, Initial Spare Funding Summary	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
32	KC-10 Mods	0.000	0.000	0.000
33	MQ-1 MODS	0.000	6.953	0.000
	TOTAL INITIAL SPARES	236.244	254.651	257.001



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Exhibit P-18A, Initial Spare Funding	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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<u>Initial Spare Funding</u>	<u>Initial Spare Funding</u>	<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>
<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>			
	WCF SPARES	64.160	104.651	68.303
	EXEMPT SPARES	172.084	150.000	188.698
	TOTAL INITIAL SPARES	236.244	254.651	257.001



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FY 2009 BUDGET ESTIMATES
BUDGET ACTIVITY 07 – AIRCRAFT SUPPORT EQUIPMENT AND FACILITIES
FEBRUARY 2008

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FY 2009 BUDGET ESTIMATES

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

FEBRUARY 2008

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$101,242	\$100,451	\$104,861	\$114,261	\$108,211	\$110,761	\$78,871
<p>Description:</p> <p>FY2008 funding total does not include \$237,360M in FY2008 GWOT requirements still pending.</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 FY09 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>								
P-1 ITEM NO 64		PAGE NO: 7 - 1		Page 1 of 1				

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

DATE: FEBRUARY 2008

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

PROCUREMENT ITEMS	ID CODE	FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST
AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)							
ENPENNAGE STAND	A			2	\$11,366		
C-5 ISOCHRONIC MAINTENANCE PLATFORM	A					1	\$14,772
TRUCK MOUNTED DEICER	A			44	\$13,896		
BRAT PROGRAM	A				\$5,485		
T198B - STORES MGMT TEST SET	A			12	\$3,703		
C-130 ISO MAINTENANCE PLATFORM	A					1	\$2,505
COMBINE GENERATOR AIR CONDITIONER	A					2	\$2,575
BORESIGHT SYSTEM	A					8	\$4,680
AUTOMATIC TEST SYSTEM (ATS)							
ADVANCED DIGITAL TEST STATION	A			1	\$17,472		\$19,163
FLIGHT CONTROL TEST SET (FLCTS)	A			10	\$2,938	17	\$5,011
STORES SYSTEM TESTER (SST) - INTERMEDIATE LEVEL	A			14	\$6,081	33	\$13,087
STORES SYSTEM TESTER (SST) - ORGANIZATION LEVEL	A			28	\$7,778	50	\$14,325

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

DATE: FEBRUARY 2008

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (OVERVIEW)

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
USM 670 CORE TEST SET (CTS)	A			14	\$5,895	4	\$1,721		
ITEMS LESS THAN 5 MILLION DOLLARS	A				\$26,629		\$22,612		\$35,224
TOTALS:				125	\$101,242	116	\$100,451	89	\$104,861

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: C-5 ISOCHRONAL MAINTENANCE STAND				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$14,772	\$9,972	\$10,670	\$0	\$0	\$0
<p>Description:</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 FY09 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>								
	P-1 ITEM NO 64		PAGE NO: 7 - 4	Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: C-5 ISOCHRONAL MAINTENANCE STAND
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	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.

	P-1 ITEM NO 64		PAGE NO: 7 - 5	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: 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	Apr-08	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.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: BORESIGHT SYSTEM				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$0	\$4,680	\$11,660	\$0	\$0	\$0	\$0
<p>Description:</p> <p>1. Boresighting is used to harmonize/boresight and align aircraft navigation and weapon systems. Boresight procedures on aircraft are performed to verify and calibrate the critical weapons' systems used by the pilot and aircraft avionics. The basic boresight requirement of providing accurate aircraft sensors, navigation systems, radar, pilot display, munitions, and Angle of Attack probes, ensure accurate delivery of ordnance on targets. Aircraft specific adapter kits, i.e. Radar, Heads Up Display (HUD) Internal Navigation Unit (INU) Joint Helmet Mounted Cueing System (JHMCS) Cockpit Mapping Robot and Low-Altitude Navigation and Targeting Infrared for Night (Lantirn) pods are used for positioning the weapons system mounts to determine the flight worthiness.</p> <p>2. Program entails the acquisition of a “common multiplatform” boresight system which advances the core competencies of rapid global mobility, precision engagement, and agile combat support by providing a faster, simpler method of boresighting weapon and sensor systems on multiple aircraft platforms. The current boresight legacy equipment is to be replaced with a system which should share common core capabilities with the ability to reconfigure across different Mission Design Series (MDS) with weapon specific station adapters and/or software. The replacement boresight system will cutting edge technology with an eye on commonality and interoperability across Services to reduce logistics footprint and support/sustainment costs. A new system would improve combat effectiveness, reduce maintenance workload (both time and personnel), and minimize logistics footprint, all for a significantly lower life-cycle cost than existing systems.</p> <p>3. Items requested in FY09 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: BORESIGHT SYSTEM
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
F-16 ADAPTERS SET (DRS)	A				8	\$585,000	\$4,680			
COMMON MEASUREMENT SYSTEM F-15	A							1	\$660,000	\$660
DATA										\$11,000
TOTALS:					8		\$4,680	1		\$11,660

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: BORESIGHT SYSTEM						
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	
F-16 ADAPTERS SET (DRS)										
FY2008	8	\$585,000	AFMC/WR-ALC	SS/FP	DRS TECHNOLOGIES/ OAKLAND, NJ	Apr-08	Jan-09	Yes		
COMMON MEASUREMENT SYSTEM F-15										
FY2009	1	\$660,000	AFMC/WR-ALC	C/FFP W/OPT	TO BE DETERMINED	Nov-08	Nov-09	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 64				PAGE NO: 7 - 9	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: ADVANCED DIGITAL TEST STATION				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$17,473	\$19,163	\$18,484	\$16,751	\$5,742	\$0	\$0
<p>Description:</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. 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 FY09 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>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ADVANCED DIGITAL TEST STATION
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SELF TEST AND CALIBRATION (ITA)							\$144						
PRODUCT SUPPORT AGREEMENT							\$303						
TEST PROGRAM SET REHOST							\$15,519			\$19,163			\$18,484
ADV DIGITAL TEST STATION	A				1	\$1,507,000	\$1,507						
TOTALS:					1		\$17,473			\$19,163			\$18,484

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: ADVANCED DIGITAL TEST STATION						
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										
FY2007(1)	1	\$1,507,000	AFMC/OC-ALC	DO/FFP	TERADYNE INC/NORTH READING, MA	Dec-06	Dec-07			
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract FA8102-04-D-0001 awarded 24 Nov 2003 as an order type contract and may be exercised through FY08.</p>										
			P-1 ITEM NO 64				PAGE NO: 7 - 12	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: FLIGHT CONTROL TEST SET (FLCTS)
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		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$2,938	\$5,011	\$7,008	\$4,457	\$0	\$0	\$0

Description:

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.

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.

3. Items requested in FY09 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.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: FLIGHT CONTROL TEST SET (FLCTS)
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WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	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
TOTALS:							\$2,938			\$5,011			\$7,008

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: FLIGHT CONTROL TEST SET (FLCTS)						
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	Sep-07	Nov-08			
FY2008	17	\$270,352	AFMC/WR-ALC	C/FFP W/OPT	TO BE DETERMINED	Mar-08	Apr-09	Yes		
FY2009	24	\$275,999	AFMC/WR-ALC	OPT/FFP	TO BE DETERMINED	Mar-09	Jan-10	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 64				PAGE NO: 7 - 15	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: STORES SYSTEM TESTER - INTERMEDIATE				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$6,081	\$13,087	\$7,451	\$0	\$0	\$0	\$0
<p>Description:</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 FY09 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
P-1 ITEM NO 64		PAGE NO: 7 - 16		Page 1 of 1				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: STORES SYSTEM TESTER - INTERMEDIATE
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2007			FY2008			FY2009					
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST			
STORES SYSTEM TESTER - INTERMEDIATE LEVEL	A				18	\$337,833	\$6,081	33	\$396,590	\$13,087	16	\$443,614	\$7,098
DATA/TRAINING													\$353
TOTALS:					18		\$6,081	33		\$13,087	16		\$7,451

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 64		PAGE NO: 7 - 17	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: 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)									
FY2007	18	\$337,833	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	Jan-07	Jun-08		
FY2008	33	\$396,590	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEMS/NASHUA, NH	Nov-07	May-09		
FY2009	16	\$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.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2008		
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: STORES SYSTEM TESTER - ORGANIZATION LEVEL				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$7,778	\$14,325	\$15,062	\$4,251	\$0	\$0	\$0
<p>Description:</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 FY09 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>								
P-1 ITEM NO 64		PAGE NO: 7 - 19		Page 1 of 1				

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

DATE: FEBRUARY 2008

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

STORES SYSTEM TESTER - ORGANIZATION LEVEL

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STORES SYSTEM TESTER - ORGANIZATION LEVEL	A			28	\$7,778	50	\$14,325	47	\$15,062
TOTALS:				28	\$7,778	50	\$14,325	47	\$15,062

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: STORES SYSTEM TESTER - ORGANIZATION LEVEL
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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 - ORGANIZATION LEVEL(1)									
FY2007	28	\$277,783	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		
FY2009	47	\$320,477	AFMC/OO-ALC	DO/IDIQ	BAE SYSTEM/ 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.

	P-1 ITEM NO 64		PAGE NO: 7 - 21	Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$26,629	\$22,612	\$35,224	\$46,157	\$45,690	\$55,225	\$39,145
<p>Description:</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 FY09 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>								
P-1 ITEM NO 64		PAGE NO: 7 - 22		Page 1 of 1				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)				DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION			
PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
MAJOR PROCUREMENTS					
RADIO FREQUENCY TRANSMITTER LINE TEST STATION (RFTLTS)	6625013991757RH			5	\$4,141
30 MM AMMUNITION LOADER GFU 7	1730010648482			4	\$4,889
225KW GENERATOR SET	6115013068342ID			1	\$1,374
TEST SET, TRANSPONDER	6625014584627TG			35	\$428
COMMON AIRCRAFT PORTABLE REPROGRAMMING EQUIPMENT	6625014569083			1	\$354
MINOR PROCUREMENTS (GROUPED BY FSC)					
FSC 1560 AIRCRAFT STRUCTURAL COMPONENTS				11	\$1,728
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT				40	\$2,720
FSC 2835 GAS TURB & JET ENGINES, ACFT & COMP				3	\$938
FSC 3655 GAS GENERATING AND DISPENSING SYSTEMS				5	\$818
FSC 3950 WINCHES, HOISTS, CRANES AND DERRICKS				5	\$774
FSC 4120 AIR CONDITIONING EQUIPMENT				5	\$2,359
	P-1 ITEM NO 64		PAGE NO: 7 - 23	Page 1 of 2	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
FSC 4130 REFRIGERATION & AIR COND COMPONENTS				24	\$1,230
FSC 4920 AIRCRAFT MAINT SHOP SPECIALIZED EQP				21	\$4,057
FSC 4930 LUBRICATION & DISPENSING EQUIPMENT				3	\$1,424
FSC 4940 MISC MAINTENANCE & SHOP SPECIALIZED EQP				24	\$2,222
FSC 6625 ELECT & ELCTRONIC PROPERTIES INSTRUMENT				4	\$2,940
FSC 6635 PHYSICAL PROPERTIES TESTING EQUIP				3	\$1,476
FSC 6695 COMBINATION & MISCELLANEOUS INSTRUMENTS				23	\$1,352
TOTALS:					\$35,224

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 64		PAGE NO: 7 - 24	Page 2 of 2
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FY 2009 BUDGET ESTIMATES
BP 13 – POST PRODUCTION SUPPORT
FEBRUARY 2008

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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 65						P-1 Line Item Nomenclature B-1 Post Prod Support					

Program Element for Code B Items:		11126F			Other Related Program Elements:				64226f; 11126f		
	ID Code	Prior Years	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)			10.279	0.000	0.000	0.000	0.000	0.000	0.000		10.279

Description

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.
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

FY 2009 Program Justification

N/A

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 66						P-1 Line Item Nomenclature B-2A Post Prod Support					

Program Element for Code B Items:		11127F			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	To Comp	Total
Proc Qty	A										0
Cost (\$ M)			17.662					1.180	2.896		21.738
Interim Ctr Support (\$ M)			29.662	34.545	36.783	31.011	21.810	13.224	8.766		175.801
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	47.324	34.545	36.783	31.011	21.810	14.404	11.662	0.000	197.539
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	47.324	34.545	36.783	31.011	21.810	14.404	11.662	0.000	197.539
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)			17.662					1.180	2.896		

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 support equipment.

Funds will be applied to maintain software lab capabilities and peculiar support equipment and non-stocklisted piece parts in support of the B-2 mission. In addition, depot activation of the avionics items (HQ AFMC directed for organic transition (i.e. Engine Start Control Unit (ESCU), Radar Signal Processor (RSP), Flight Control Comp (FCC), Radar Data Processor (RDP), etc.) would begin in FY08 as originally requested.

This program has associated Research Development Test and Evaluation funding in PE 64240F

FY 2009 Program Justification

Beginning in FY09, Depot Activation requirements are funded from Other Procurement; all other PPS requirements will continue to be funded from PPS.

Items identified on the following P-5 are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support Air Force mission requirements.

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67						P-1 Line Item Nomenclature B-2A ICS					

Program Element for Code B Items:		N/A11			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)			29.662	34.545	36.783	31.011	21.810	13.224	8.766		175.801
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	29.662	34.545	36.783	31.011	21.810	13.224	8.766	0.000	175.801
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	29.662	34.545	36.783	31.011	21.810	13.224	8.766	0.000	175.801
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)			29.662	34.545	36.783	31.011	21.810	13.224	8.766		179.434

Description

Interim Contractor Support (ICS) provides and maintenance and repair capability for depot level reparable (DLRs) to meet Air Combat Command (ACC) operational requirements for the B-2 weapon system. The ICS program is a comprehensive repair capability repairing 369 different line replaceable units (LRUs), shop replaceable units (SRUs), 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. The current 369 LRUs should transition in their entirety by FY2016, barring any deferment/slippage of depot activation funding.

This program has associated Research Development Test and Evaluation (RDT&E) funding in PE 64240F.

FY 2009 Program Justification

ICS funding requirements continue due to deferment/delays in depot activation funds in prior years. Depot activation is currently funded from FY09-11 in Other Procurement. ICS requirements will continue until depot activation is completed in 2016. Without the ICS funding, Total Not Mission Capable for Supply (TNMCS) rates will increase and Aircraft Availability Improvement Program (AAIP) goals will not be met.

Items requested in FY09 are identified on the following P-5 is representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements

Exhibit P-5, Weapon System Cost Analysis		Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 67		P-1 Line Item Nomenclature B-2A ICS

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Interim Contractor Support				29.662			34.545			36.783
TOTAL PROGRAM				29.662			34.545			36.783

Comments

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68						P-1 Line Item Nomenclature B-52 SQUADRONS					

Program Element for Code B Items:		N/A			Other Related Program Elements:				010113F		
	ID Code	Prior Years	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)			8.049	0.000	0.000	0.000	0.000	0.000	0.000		8.049

Description

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.

This program has associated Research Development Test and Evaluation funding in PE 11113F.

FY 2009 Program Justification

N/A

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 68	P-1 Line Item Nomenclature B-52 SQUADRONS

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 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Support Equipment	A	7	1.023	7.160						
Engineering Change Orders (ECO)	A									
Nonrecurring Costs	A									
Other Costs	A			0.664						
Publications/Technical Data	A			0.225						
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM				8.049						

Comments

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 69						P-1 Line Item Nomenclature C-5 Post Prod Support					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	18.153	18.210	12.000	0.000	0.000	0.000		48.363

Description
 FY03-FY07 budget numbers do not reflect the DoD Strategic Review Results. Funds buy one C-5 simulator for the Air National Guard as part of the AMC replacement program that will reduce aircraft training flights by replacing existing subsystems on the training devices to allow FAA Level C equivalent training. The C-5 will replace the current visual system with a current state-of-the-art, commercial off the shelf system. Funding supports the procurement of one (1) C-5 simulator for the Air National Guard.

FY 2009 Program Justification
 Funding supports the procurement of one (1) C-5 simulator for the Air National Guard.

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 69	P-1 Line Item Nomenclature C-5 Post Prod Support

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Peculiar Training Equipment	A									
Publications/Technical Data	A									
ECOs	A									
Other							18.153			18.210
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM							18.153			18.210

Comments

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 05, Modification of Inservice Aircraft, Item No. 70						P-1 Line Item Nomenclature C-21 Post Prod Support					

Program Element for Code B Items:		N/A			Other Related Program Elements:				84742F		
	ID Code	Prior Years	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	19.025	0.000	0.000	0.000	0.000		19.025

Description

A suite of Ground Based Training System (GBTS) devices will be acquired to use with the T-1 aircraft to support Combat System Officer (CSO) training. These will include 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 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.

For FY09 we have requested a ZBT. The total in this document will not match the P-1 document.

Funding document is unexecuteable. The Air Force requests \$19.025M originally programmed in this P-1 line be appropriated in P-1 line 77 for proper execution.

FY 2009 Program Justification

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

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 05, Modification of Inservice Aircraft, Item No. 70	P-1 Line Item Nomenclature C-21 Post Prod Support

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		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										19.025
SUPPORT COST SUBTOTAL										19.025
TOTAL PROGRAM										19.025

Comments

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 71						P-1 Line Item Nomenclature C-130 Post Prod Support					

Program Element for Code B Items:		41115F			Other Related Program Elements:				44011F		
	ID Code	Prior Years	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	0.000	19.198	0.000	0.000	0.000	0.000	0.000		43.619

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. Congress added \$2.4M in FY08 for Project RAINCOAT post production support.

FY 2009 Program Justification

<p><u>FY 2009 Program Justification</u></p>											
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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72						P-1 Line Item Nomenclature EC-130J					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	5.311	5.382	5.378	0.000	0.000	0.000		16.071

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 2009 Program Justification

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

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 72	P-1 Line Item Nomenclature EC-130J

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 2007			FY 2008			FY 2009			
		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						1	5.311	5.311	1	5.382	5.382
SUPPORT COST SUBTOTAL											
TOTAL PROGRAM								5.311			5.382

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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Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73						P-1 Line Item Nomenclature F-15 Post Prod Support					

Program Element for Code B Items:		N/A			Other Related Program Elements:				n/a		
	ID Code	Prior Years	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	10.698	5.577	20.189	16.028	22.214	2.674	2.726	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.

This program has associated Research Development Test and Evaluation funding in PE 27134F.

FY 2009 Program Justification

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

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 73	P-1 Line Item Nomenclature F-15 Post Prod Support

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe Peculiar Ground Support Equipment (PGSE)	A			1.084			0.207			0.652
Engine PGSE	A			0.000			0.000			0.000
PPS	A			2.284			0.351			2.479
ICS (including ESTS)	A			3.400			4.409			12.700
Support Contracts	A			3.930			0.610			4.358
Plant Shutdown	A									
TOTAL PROGRAM				10.698			5.577			20.189

Comments

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 74						P-1 Line Item Nomenclature F-16 Mods					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)			12.196	19.323	13.623	20.311	20.610	21.016	21.426		128.505

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 29-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.

This program has associated Research Development Test and Evaluation funding in PE 27133F.

FY 2009 Program Justification

Funding continues prime contract post production support, procurement of deferred peculiar ground support equipment, and activities associated with F-16 production line shutdown.

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75						P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)					

Program Element for Code B Items:		N/A			Other Related Program Elements:				0604233F, 0804741F		
	ID Code	Prior Years	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	8.841	9.158	9.526	0.000	0.000	0.000	27.525

Description
 Post Production Support for the Joint Primary Aircraft Training System (JPATS) program. Includes program management, system engineering and prime contract Contract Data Requirements List items. The final Air Force JPATS T-6 aircraft buy occurs in FY 2008 with delivery in FY 2010. The final Air Force Aircrew Training Device (ATD) buy occurs in FY 2009.

Funding document is unexecuteable. The Air Force requests these funds be appropriated in Aircraft Initial Spares (P-1 line 63) for proper execution.

FY 2009 Program Justification
 N/A

Exhibit P-5, Weapon System Cost Analysis	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 75	P-1 Line Item Nomenclature Joint Primary Aircraft Training System (JPATS)
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Manufacturer's Name/Plant City/State Location Hawker Beechcraft Corporation, Wichita KS	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars								
		FY 2007			FY 2008			FY 2009		
		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										8.841
SUPPORT COST SUBTOTAL										
TOTAL PROGRAM										8.841

Comments
Raytheon sold the Raytheon Aircraft Company to Hawker Beechcraft Corporation in FY2007.

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 76						P-1 Line Item Nomenclature OTHER AIRCRAFT					

Program Element for Code B Items:			N/A			Other Related Program Elements:				0207131F, 0101113F, 0101127F, 0207223F, 0401130F, 41119F, 41115F	
	ID Code	Prior Years	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	101.207	48.593	196.271	203.669	170.936	75.998	TBD	TBD

Description

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.

This program has associated Research Development Test and Evaluation funding in PE 27701F.

FY 2009 Program Justification

- FCMT: FY09 FCMT Funding supports the acquisition of 6 F-16 block 40/50 trainers. These trainers will replace capability currently provided by Training Simulation Services contracts in accordance with direction provided by FY07 NDAA. Also supports acquisition of additional
- TRAINING: FY 09 TRAINING funding transferred to Aircraft Weapon Systems and Inservice Aircraft Modifications. This FY09 funding is included appropriate Major Weapon System justification documentation.

Exhibit P-40, Budget Item Justification						Date: February 2008					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 77						P-1 Line Item Nomenclature T-1 Mods					

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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	14.803	0.000	0.000	0.000	0.000	0.000	0.000	14.803

Description

A suite of Ground Based Training System (GBTS) devices will be acquired to use with the T-1 aircraft to support Combat System Officer (CSO) training. These will include 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 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.

Funding document is unexecuteable. The Air Force requests \$19.025M originally programmed in P-1 line 70 (C-21 Post Production Support) be appropriated in this line for proper execution.

FY 2009 Program Justification

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

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FY 2009 BUDGET ESTIMATES
BP 14 – INDUSTRIAL PREPAREDNESS
FEBRUARY 2008

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Exhibit P-40, Budget Item Justification					Date: February 2008				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 78					P-1 Line Item Nomenclature Industrial Responsiveness				

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	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)			23.115	23.781	24.380	24.985	25.319	25.829	26.350		173.759

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 3000, and 7000): Provide for repair and expansion, major rehabilitation, environmental compliance, equipment movement, and energy conservation at Air Force-owned-contractor-operated industrial facilities. These plants are the backbone of DoD weapon system assembly and maintenance for the B-2, 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 2009 Program Justification

For FY09 this program element is similiar to FY08 with MPC 7000 Environmental Compliance leading the way as the major cost driver. MPC 3000 Capital Type Rehabilitation and MPC 6000 Industrial Base Assessment also FY09 requirements.

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FY 2009 BUDGET ESTIMATES

BP 17 – WAR CONSUMABLES

FEBRUARY 2008

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: WAR CONSUMABLES (OVERVIEW)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$24,997	\$17,688	\$80,622	\$137,569	\$71,376	\$147,082	\$180,776
<p>Description:</p> <p>1. This program provides funding for the procurement of initial/replacement War Consumables and includes commodities such as 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.</p> <p>2. Items to be procured in FY09 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.</p>								
P-1 ITEM NO 79		PAGE NO: 7 - 57					Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: WAR CONSUMABLES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
WAR CONSUMABLES (OVERVIEW)									
ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)	A			703	\$21,178	258	\$8,144	605	\$20,078
MINIATURE AIR LAUNCHED DECOY (1)	A						\$9,544	150	\$56,438
ITEMS LESS THAN \$5 MILLION	A				\$3,819				\$4,106
TOTALS:					\$24,997		\$17,688		\$80,622

Remarks:

Cost information is in thousands of dollars.

(1) FY08 DOD Appropriation Bill deferred consideration of MALD production requirement to GWOT supplemental.

	P-1 ITEM NO 79		PAGE NO: 7 - 58		Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: MINIATURE AIR LAUNCHED DECOY
--	--

		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY				150	450	100	450	495
COST (in Thousands)		\$0	\$9,544	\$56,438	\$112,244	\$44,861	\$119,364	\$151,784

Description:

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.

2. The development of this program is funded in Program Element Code 0604270F (Electronic Warfare Development), Budget program Activity Code 8462 (Airborne Electronic Attack).

3. This item is procured through the Air Armament Center, Eglin AFB, FL

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: MINIATURE AIR LAUNCHED DECOY
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WEAPON SYSTEM COST ELEMENTS	ID CODE				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	\$248,267	\$37,240
PRODUCTION SUPPORT													
PRODUCTION SUPPORT EQUIPMENT													\$4,636
ECO/ECP													\$10,808
CONTRACTOR SUPPORT										\$100			\$832
DATA/TRAINING													\$1,647
PROGRAM MANAGEMENT ADMINISTRATION													\$1,275
PRODUCTION SUPPORT (1)										\$9,444			
TOTALS:										\$9,544	150		\$56,438

Remarks:
Total Cost information is in thousands of dollars.

(1) Production Support includes transition efforts to reduce production risks and improve production assurance.

	P-1 ITEM NO 79		PAGE NO: 7 - 60	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: 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(1-3)			AFMC/AAC	OPT/FFP	RAYTHEON/TUCSON, AZ	Jun-08		Yes		
FY2009	150	\$248,267	AFMC/AAC	SS/FP	RAYTHEON/TUCSON, AZ	Mar-09	Jan-10	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) FY 08 will exercise the LRIP option on the System Design and Development (SDD) contract with the release of the GWOT funding during the 3rd quarter of FY08 (June Timeframe).</p> <p>(2) Contract has an FY08 base year.</p> <p>(3) FY08 DOD Appropriation Bill deferred consideration of MALD production requirement to GWOT supplemental.</p>										
			P-1 ITEM NO 79			PAGE NO: 7 - 61	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$21,178	\$8,144	\$20,078	\$21,119	\$22,253	\$23,372	\$24,560
<p>Description:</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>								
P-1 ITEM NO 79		PAGE NO: 7 - 62			Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: ADVANCED AIRBORNE EXPENDABLE DECOY (AAED)
--	---

PROCUREMENT ITEMS	ID CODE			FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DECOY	A			703	\$21,178	258	\$8,144	605	\$20,078
TOTALS:				703	\$21,178	258	\$8,144	605	\$20,078

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 79		PAGE NO: 7 - 63	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2008			
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: 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										
FY2007(1)	703	\$30,125	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-07	Oct-08			
FY2008(1)	258	\$31,566	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-08	Aug-09	Yes		
FY2009(1)	605	\$33,187	AFMC/WR-ALC	OPT/FP	RAYTHEON/GOLETA, GA	Mar-09	May-10	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY04 base year with ten option years.										
			P-1 ITEM NO 79			PAGE NO: 7 - 64				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2008	
APPROP CODE/BA: APAF/WAR CONSUMABLES				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION				
		FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$3,819	\$0	\$4,106	\$4,206	\$4,262	\$4,346	\$4,432
<p>Description:</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 FY09 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>								
P-1 ITEM NO 79		PAGE NO: 7 - 65					Page 1 of 1	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2008
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APPROP CODE/BA: APAF/WAR CONSUMABLES	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	NSN			FY2009	
		QTY.	COST	QTY.	COST
REEFING LINE CUTTER				3,700	\$337
TITAN 40C RATO & INITIATOR				700	\$2,467
MK-17 IGNITER				4,000	\$648
MK44 IMPULSE CART				3,600	\$655
TOTALS:					\$4,107

Remarks:
Cost information is in thousands of dollars.

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

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Exhibit P-40, Budget Item Justification	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Other Production Charges
---	---

	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty							
Total Proc Cost (\$ M)	577.404	717.701	521.357	901.475	1239.017	1170.780	1148.558

Description

FY2007 funding total includes \$144.695M in GWOT supplemental.

FY2008 funding totals do not include \$94.730M FY2008 GWOT requirements still pending Congressional consideration.

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.

The major program drivers in FY09 from a budget standpoint are for F-22 Squadron, and Precision Attack Systems procurement.

This program has associated Research Development Test and Evaluation funding in PEs 35116F, 35164F, 64233F, 64240F, 64735F, 27138F, 27170F, and 27136F.

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Exhibit P-40A, Budget Item Justification for Aggregated Items		Date: February 2008		
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. 80		Miscellaneous Production Charges		
Procurement Items (\$M)	FY 2007	FY 2008	FY 2009	
B-2 Squadrons	0.000	0.000	19.566	
EW Equipment Sustainment	4.765	19.318	41.390	
Manned Destructive Suppression	8.631	10.061	10.116	
F-22A Squad	44.883	110.227	126.800	
JHMCS (Joint Helmet Mounted Cueing System)	0.000	8.440	0.000	
F-22	34.816	33.205	33.685	
Precision Attack Systems Procurement	134.926	144.064	49.908	
Combat Training Range Equipment	7.570	15.424	15.626	
Electronic Warfare Integrated Reprogramming (EWIR)	2.689	3.086	3.245	
Classified Programs	238.358	236.272	156.734	
Aerial Targets	4.994	5.537	5.148	
NAVSTAR Global Positioning System (GPS) User Equipment	9.831	12.508	15.837	
C-5 Airborne Broadcast Intelligence (ABI)	1.196	1.363	1.396	
C-5 AMP	0.000	23.584	7.429	
KC-135 Airborne Broadcast Intelligence (ABI)	1.385	1.580	1.620	
C-17	1.315	1.474	1.481	
C-17 AIRCRAFT	0.000	0.000	20.426	
Pollution Prevention	2.189	2.451	2.512	
T-38 Undergraduate Navigation	0.000	5.780	0.000	
Joint National Training Capability	2.732	0.057	2.450	
NATO AWACS Modernization	77.124	83.270	5.988	
Total Adjustments	577.404	717.701	521.357	

P-1 Shopping List Item No. 80

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

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature B-2 Squadrons
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**FY 2009 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:

BASIS FOR COST ESTIMATE:

TOTAL COST

	FY 2007	FY 2008	FY 2009
			19.566
	0.000	0.000	19.566

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature EW Equipment Sustainment

**FY 2009 PRESIDENT'S BUDGET
EW EQUIPMENT SUSTAINMENT FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:	EW Equipment Sustainment		
MODELS OF AIRCRAFT APPLICABLE:	A-10, F-16		
DESCRIPTION/JUSTIFICATION:	Program provides sustainment/modernization of ALQ-131 and 184 EW pods (primary self-protection equipment for A-10s and F-16s) and related support equipment.		
PROJECTED FINANCIAL PLAN:			
BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
TOTAL COST	4.765	19.318	41.390
	4.765	19.318	41.390

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Manned Destructive Suppression

**FY 2009 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 35 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. Additionally, an FY08 GWOT submission for \$25M was forwarded as part of the OSD supplemental budget request. These GWOT funds will be used to procure about 35 additional HTS R7 pods.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
TOTAL COST	8.631	10.061	10.116
	8.631	10.061	10.116

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature F-22A Squad

**FY 2009 PRESIDENT'S BUDGET
F-22A SQUAD FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:

F-22A Squad

MODELS OF AIRCRAFT APPLICABLE:

F-22A

DESCRIPTION/JUSTIFICATION:

Depot Core Activation - This request is a requirement to activate the F-22 core capability by partnering with ALCs. Requirement includes the purchase of Initial Outfitting Equipment (IOE) to support F-22 related ALC facility standup.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
TOTAL COST	44.883	110.227	126.800
	44.883	110.227	126.800

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature JHMCS (Joint Helmet Mounted Cueing System)
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**FY 2009 PRESIDENT'S BUDGET
JHMCS (JOINT HELMET MOUNTED CUEING SYSTEM FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: JHMCS (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:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
	0.000	8.440	0.000
TOTAL COST	0.000	8.440	0.000

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature F-22

FY 2009 PRESIDENT'S BUDGET

**F-22 FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:

F-22

MODELS OF AIRCRAFT APPLICABLE:

F-22A

DESCRIPTION/JUSTIFICATION:

Other Useful Loads - This request provides for units necessary to support electronic warfare requirements. Due to classified details of program, additional information is available on a need-to-know basis.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
F-22A	34.816	33.205	33.685
TOTAL COST	34.816	33.205	33.685

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Precision Attack Systems Procurement

**FY 2009 PRESIDENT'S BUDGET
PRECISION ATTACK SYSTEMS PROCUREMENT FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: Precision Attack Systems Procurement

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:

BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
TOTAL COST	134.926	144.064	49.908
	134.926	144.064	49.908

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Combat Training Range Equipment

**FY 2009 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 collaborative 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:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
Air Combat Training Systems (ACTS)			
-- P5 Combat Training Systems (P5CTS)	4.870	15.424	15.626
-- Congressional Add (Montana 120th FW)	2.700		
TOTAL COST	7.570	15.424	15.626

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Electronic Warfare Integrated Reprogramming (EWIR)
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**FY 2009 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 system components for the EW Avionics Integrated Support Facility (EWASIF) to provide critical reprogramming of EW systems for all Air Force and Foreign Military Sales customers.

PROJECTED FINANCIAL PLAN:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:	2.689	3.086	3.245
TOTAL COST	2.689	3.086	3.245

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Classified Programs
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**FY 2009 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:

BASIS FOR COST ESTIMATE:

	FY 2007	FY 2008	FY 2009
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TOTAL COST

	238.358	236.272	156.734
	238.358	236.272	156.734

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Aerial Targets

FY 2009 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:			
BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
ALQ-188B and DLQ-9 electronic attack pods	4.994	5.537	5.148
TOTAL COST	4.994	5.537	5.148

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature NAVSTAR Global Positioning System (GPS) User Equipment
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**FY 2009 PRESIDENT'S BUDGET
NAVSTAR GLOBAL POSITIONING SYSTEM (GPS) USER EQUIPMENT FACT SHEET
(Dollars in Millions)**

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

MODELS OF AIRCRAFT APPLICABLE: 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

DESCRIPTION/JUSTIFICATION: Navstar GPS is a space-based navigation system that provides users with precise position, velocity, and time using passive receivers on a day/night all-weather world-wide basis. These funds provide for the procurement of 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.

PROJECTED FINANCIAL PLAN:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
Non-recurring/Integration	9.831	12.508	15.837
TOTAL COST	9.831	12.508	15.837

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-5 Airborne Broadcast Intelligence (ABI)

**FY 2009 PRESIDENT'S BUDGET
C-5 AIRBORNE BROADCAST INTELLIGENCE (ABI) FACT SHEET
(Dollars in Millions)**

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

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:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
TOTAL COST	1.196	1.363	1.396

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-5 AMP
<p>FY 2009 PRESIDENT'S BUDGET C-5 AMP FACT SHEET (Dollars in Millions)</p> <p>PROJECT TITLE: C-5 AMP</p> <p>MODELS OF AIRCRAFT APPLICABLE:</p> <p>DESCRIPTION/JUSTIFICATION:</p> <p>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)], 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.</p> <p>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.</p>	
P-1 Shopping List Item No. 80	P-1900 Exhibit P-1900, page 16 of 24

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-5 AMP

PROJECTED FINANCIAL PLAN:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
		23.584	7.429
TOTAL COST	0.000	23.584	7.429

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature KC-135 Airborne Broadcast Intelligence (ABI)
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**FY 2009 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 operating 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:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
TOTAL COST	1.385	1.580	1.620

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-17

FY 2009 PRESIDENT'S BUDGET

C-17 FACT SHEET

(Dollars in Millions)

PROJECT TITLE:

C-17

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:

BASIS FOR COST ESTIMATE:

	FY 2007	FY 2008	FY 2009
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TOTAL COST

	1.315	1.474	1.481
	1.315	1.474	1.481

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-17 AIRCRAFT

**FY 2009 PRESIDENT'S BUDGET
C-17 AIRCRAFT FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:

C-17 AIRCRAFT

MODELS OF AIRCRAFT APPLICABLE:

C-17

DESCRIPTION/JUSTIFICATION:

This activity is for the Depot Activation of the C-17 system at the three USAF Air Logistic Centers.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:

TOTAL COST

FY 2007	FY 2008	FY 2009
		20.426
0.000	0.000	20.426

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Pollution Prevention

**FY 2009 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:

BASIS FOR COST ESTIMATE:	FY 2007	FY 2008	FY 2009
TOTAL COST	2.189	2.451	2.512
	2.189	2.451	2.512

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature T-38 Undergraduate Navigation

**FY 2009 PRESIDENT'S BUDGET
T-38 UNDERGRADUATE NAVIGATION FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: T-38 Undergraduate Navigation

MODELS OF AIRCRAFT APPLICABLE: N/A

DESCRIPTION/JUSTIFICATION: The T25 Simulator for Electronic Combat Training (SECT) 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. The SECT was upgraded in FY 2006 as a non-proprietary, open-architecture trainer to provide reliability and required growth capability to accommodate dynamic EW training environment. FY 2008 funds will be used to acquire eight additional T25 SECT workstations (six student and two instructor stations) for use in Air Force Combat Systems Officer (CSO) training.

PROJECTED FINANCIAL PLAN:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
TOTAL COST	0.000	5.780	0.000
	0.000	5.780	0.000

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature Joint National Training Capability

**FY 2009 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. FY09 procures the P5 Combat Training System (P5CTS).

PROJECTED FINANCIAL PLAN:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
Joint National Training Capability			
-- P5 Combat Training Systems (P5CTS) Pods	2.732	0.057	2.450
TOTAL COST	2.732	0.057	2.450

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature NATO AWACS Modernization

**FY 2009 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:

	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
NATO AWACS-Near/Mid Term	77.124	83.270	5.988
TOTAL COST	77.124	83.270	5.988

UNCLASSIFIED

Exhibit P-40, Budget Item Justification	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 81	P-1 Line Item Nomenclature DEPOT MODERNIZATION
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	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty							
Total Proc Cost (\$ M)	66.252	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.

UNCLASSIFIED

Exhibit P-1900, P-1900	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 81	P-1 Line Item Nomenclature DEPOT MODERNIZATION
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**FY 2009 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:			
	FY 2007	FY 2008	FY 2009
BASIS FOR COST ESTIMATE:			
Benchmarking with Contractor/Industry Leaders	66.252	0.000	0.000
TOTAL COST	66.252	0.000	0.000

UNCLASSIFIED

Exhibit P-40, Budget Item Justification	Date: February 2008
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 86	P-1 Line Item Nomenclature DARP
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	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Proc Qty							
Total Proc Cost (\$ M)	27.211	27.692	21.028	11.000	9.001	0.000	0.000

Description

FY2008 funding totals do not include \$6.0M FY2008 GWOT requirements still pending Congressional consideration.

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

Exhibit P-1900, P-1900	Date: February 2008
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 86	P-1 Line Item Nomenclature DARP

**FY 2009 PRESIDENT'S BUDGET
DARP 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:

BASIS FOR COST ESTIMATE:

TOTAL COST

FY 2007	FY 2008	FY 2009
27.211	27.692	21.028
27.211	27.692	21.028