

UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book

FY 2007 Global War on Terrorism Supplemental



February 2007

**AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I**

OPR: SAF/FMB

UNCLASSIFIED

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Exhibit P-40, Budget Item Justification						Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 07						P-1 Line Item Nomenclature NATO C-17					
Program Element for Code B Items:			N/A			Other Related Program Elements:					
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)			0.000	0.000	111.100	0.000	0.000	0.000	0.000		111.100

Description

FY 2007 Program Justification

These funds will be used for procurement of the necessary C-17 aircraft-associated support structure that will include logistics support, equipment, facilities and training in support of the NATO Strategic Airlift Capability initiative.

The Department of Defense (DoD) is committed to providing one C-17 aircraft to this initiative whose objective is to provide critical airlift capabilities to affect NATO and national security commitments. This initiative will result in a dedicated fleet of C-17 aircraft (three or four depending on the level of other nations' participation) for participating NATO allies that will provide strategic airlift capabilities for nations' commitments to NATO operations.

The U.S. share of program costs will be consistent with the contribution of our single aircraft relative to the total number of aircraft in the program. The Air Force will fund the U.S. share of initial costs to establish the necessary support structure and program for the proportional annual share of operations and maintenance of the consortium fleet.

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Exhibit P-40, Budget Item Justification						Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05						P-1 Line Item Nomenclature PREDATOR UAV					
Program Element for Code B Items:			0305219F			Other Related Program Elements:			0305205F		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A		17	24	30					TBD	TBD
Total Proc Cost (\$ M)		404.656	129.680	197.300	398.700	0.000	0.000	0.000	0.000	TBD	TBD

Description

FY 2007 TITLE IX JUSTIFICATION

\$131.9M - Transferred by Congress from FY 2007 President's Budget Request, less offset for funds added in FY 2006 GWOT for SOCOM capability.

\$65.4M - Congressional add for MQ-1 Predators for SOCOM.

FY 2007 GWOT SUPPLEMENTAL

\$12.00M - MQ-9 Readiness Spares and Equipment. Procures readiness spares and common support equipment for electro-optical/infra-red/laser sensor spares, line of sight and satellite communications and maintenance test stands to support MQ-9 GWOT operations. The Air Force has accelerated the fielding of MQ-9 to meet FY07 CENTCOM GWOT requirements.

\$84.60M - Replace MQ-1 Predator Contingency/Combat Losses (18 aircraft). Procures 18 MQ-1 Predator aircraft to replace the remainder of those lost in combat or contingency operations since Sep 2001.

\$18.80M - Procures MQ-1 Predator aircraft to serve as training assets for AFSOC. Procures four MQ-1 Predator aircraft for training assets for AFSOC to support the new SOCOM Predator squadron.

\$77.40M - Operations Reconstitution for MQ-1 Predator. Replaces 3 ground control stations, 2 Launch and Recovery Ground Control Stations, 3 Readiness Spares Packages, and additional spares and support kits experiencing accelerated wear and over usage due to GWOT. In addition, this item supports Total Force Integration efforts to stand up 4 operational ANG MQ-1 Predator units by relieving pressure on limited Predator operations equipment, so ANG units will be able to rapidly reach initial operational capability.

\$56.00M - Operations Reconstitution for MQ-9 Reaper. Procures two ground control stations (GCS) to allow early retro-fit of GCSs experiencing accelerated wear, plus procures additional Readiness Spares Packages, replenishes spares inventory and refurbishes support kits experiencing accelerated wear and over usage due to GWOT. In addition this item supports Total Force Integration efforts to stand up 1 operational ANG MQ-9 Reaper unit by relieving pressure on limited operations equipment, so ANG unit will be able to rapidly reach initial operational capability.

\$5.30M - Predator Primary Satellite Link (PPSL) Equipment for Remote Split Operations and Aircraft Air Conditioning Units. Procures necessary equipment to expand Predator operations to additional operating locations. Predator PPSLs are required in PACOM and require connectivity equipment for remote split operations. Additionally, operations in the extreme Iraqi temperatures is negatively impacting the MQ-1s ability to generate necessary sorties. A more capable aircraft air conditioner is required to support operations.

\$144.60 - Special Operations MQ-9 Reaper Aircraft and Equipment. Procures eight MQ-9 aircraft, plus two ground control stations, spares, support and communications equipment to conduct direct action and special reconnaissance across the range of special military operations for which no broad conventional force is available. MQ-9 Special

Exhibit P-40, Budget Item Justification	Date: February 2007																																
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV																																
Description Continued																																	
Operations (SO) may includes operations in hostile, denied, or politically sensitive environments.																																	
Total 3010 BP10 FY07 GWOT Supplemental \$398.7																																	
Predator procurement includes all components of the MQ-1/MQ-9 weapon systems. The basic MQ-1/MQ-9 system consists of the aircraft, a control station, communications equipment, support equipment, simulator and training devices, readiness spares packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs.																																	
Breakout of aircraft quantities:																																	
<table border="1"> <thead> <tr> <th></th> <th>FY05</th> <th>FY06</th> <th>FY07</th> <th>FY08</th> <th>FY09</th> <th>FY10</th> <th>FY11</th> </tr> </thead> <tbody> <tr> <td>MQ-1</td> <td>22</td> <td>7</td> <td>24</td> <td>43</td> <td>48</td> <td>42</td> <td>32</td> </tr> <tr> <td>MQ-9</td> <td>5</td> <td>2</td> <td>2</td> <td>4</td> <td>8</td> <td>8</td> <td>8</td> </tr> <tr> <td>Total</td> <td>27</td> <td>9</td> <td>26</td> <td>47</td> <td>56</td> <td>50</td> <td>40</td> </tr> </tbody> </table>		FY05	FY06	FY07	FY08	FY09	FY10	FY11	MQ-1	22	7	24	43	48	42	32	MQ-9	5	2	2	4	8	8	8	Total	27	9	26	47	56	50	40	
	FY05	FY06	FY07	FY08	FY09	FY10	FY11																										
MQ-1	22	7	24	43	48	42	32																										
MQ-9	5	2	2	4	8	8	8																										
Total	27	9	26	47	56	50	40																										
The MQ-1 Predator 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. 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 to include signals intelligence to satisfy new requirements and address reliability and maintainability (R&M) issues as they arise.																																	
The MQ-9 Predator B 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 TSTs as a radar-based attack asset with on-board hard-kill capability (hunter-killer) and also perform 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)) and assess post-strike results. The MQ-9 is in continuing development and will field capability through incremental upgrades. Flight characterization evaluation of the original off-the-shelf, prototype aircraft is complete. The next step will be to develop and test a "baseline" capable system. The "baseline" development includes both a risk reduction phase and a System Development & Demonstration (SDD) phase. Risk reduction started in FY03 and includes system design, drawings, specifications, and initial MIL-STD-1760 advanced weapons data bus efforts. The SDD effort begins in FY05 and includes developing and testing the MQ-9's increment 1 capability. The capability will 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); hardware and software upgrades to the ground control station (GCS) for MQ-9 operations; completing airworthiness certification and accreditation; and producing applicable training devices that emulate aircraft capabilities. Subsequent upgrades will continue to evolve																																	
P-1 Shopping List Item No. 05	Budget Item Justification Exhibit P-40, page 2 of 30																																

Exhibit P-40, Budget Item Justification	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
<p><u>Description Continued</u></p> <p>the MQ-9's capabilities to satisfy new requirements and address R&M issues as they arise.</p> <p>Nineteen Predator B aircraft will be purchased prior to completion of SDD largely through Congressional and OSD funding adds. To maintain a basic operational capability, these aircraft will require reliability/maintainability enhancements to keep them viable in supporting SDD and/or to provide an interim operational combat capability.</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). A mobile GCS is containerized for deployability while a fixed facility GCS consists of similar capability in a permanent facility. The GCS has the capability to perform mission planning; provide a means for manual and/or autonomous 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 operation picture; and provide support functions. Additionally, launch and recovery elements allow 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 fully support the MQ-1 and MQ-9 aircraft and the missions they perform.</p> <p>MQ-1s/MQ-9s are procured sole-source with General Atomics-ASI as the prime contractor (development, production, integration, depot).</p> <p><u>FY 2007 Program Justification</u></p> <p>Procurement funding includes MQ-1 Predator, MQ-9 Predator B, 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>Air Force added funds in FY07-FY11 for additional procurement to increase Predator operational combat orbits as part of the Future Total Force.</p>	
P-1 Shopping List Item No. 05	Budget Item Justification Exhibit P-40, page 3 of 30

Exhibit P-5, Weapon System Cost Analysis						Date: February 2007						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature						
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05						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										
		FY06 GWOT			FY07 Title IX			FY07 GWOT			Cost to Complete	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
MQ-1 Predator Aircraft (1)		17	3.676	62.493	12	5.180	62.165	22	4.700	103.400		
MQ-9 Predator-B Aircraft (2)	A				2	12.585	25.169	8	10.881	87.044		
P3I	A											
Support Equipment				5.838			11.903			13.705		
Production Support (3)	A						12.720					
Ground Control Systems (4)	A			26.043			30.313			26.900		
Communication Systems (5)	A			1.048			9.015			8.136		
Deployment Support Kits(6)	A			26.352			5.201			105.659		
Integrated Logistics Support (7)	A			5.506			31.416			53.856		
Productionization	A											
Training Device/Simulator	A			2.400			9.398					
TOTAL PROGRAM				129.680			197.300			398.700		
Comments												
(1) Average unit cost includes aircraft with MTS laser sensor and Hellfire capability.												
(2) MQ-9 total aircraft cost includes MTS sensor, Lynx SAR, and associated GFE.												
(3) Production Support includes Other Government Costs (OGC) and program management support for both MQ-1 and MQ-9, production tooling, and production specific data/drawings.												
(4) Quantity for Ground Systems includes mobile and fixed GCSs. Additionally, this line funds other ground systems to include launch and recovery elements.												
(5) Quantity for Communication Systems includes Predator Primary Satellite Links (PPSL). Additionally, this line funds other communication equipment.												
(6) Deployment support kit unit cost varies based on aircraft type (MQ-1 or MQ-9) and kit content (i.e. MQ-9 kit includes Lynx SAR).												
(7) Integrated Logistics Support includes initial spares, support equipment, technical data/training, and organic repair capability startup for the MTS laser sensor.												
P-1 Shopping List Item No. 05												
Weapon System Cost Analysis Exhibit P-5, page 4 of 30												

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05								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		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-01	Jan-03	Yes	
PRED B/General Atomics ASI	6		PSS/PK		SS	Other	PRED B/General Atomics ASI, Rancho Bernardo, CA	Oct-01	Dec-01	Yes	
FY 2003											
RQ-1/MQ-1/General Atomics ASI	22		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Dec-02	Jul-04	Yes	
PRED B/General Atomics ASI	3		PSS/PK		SS	FPIF	PRED B/General Atomics ASI, Rancho Bernardo, CA	Jan-04	Jun-05		
FY 2004											
RQ-1/MQ-1/General Atomics ASI	10		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Jul-04	Sep-05	Yes	
PRED B/General Atomics ASI	5		PSS/PK		SS	FPIF	PRED B/General Atomics ASI, Rancho Bernardo, CA	Aug-04	Oct-06	Yes	
GCS/General Atomics ASI	7		PSS/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Mar-04	Aug-05		
PPSL/L-3 Comm	7		PSS/PK		SS	FFP	PPSL/L-3 Comm, Salt Lake City, UT	Dec-03	Sep-04	Yes	
FY 2005											
RQ-1/MQ-1/General Atomics ASI	22		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Nov-04	Feb-06	Yes	
PRED B/General Atomics ASI	5		PSS/PK		SS	FPIF	PRED B/General Atomics ASI, Rancho Bernardo,	Oct-05	May-07	Yes	

P-1 Shopping List Item No. 05

Procurement History and Planning
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Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05								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?
							CA				
GCS/General Atomics ASI	7		PSS/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Feb-05	Sep-06	Yes	
PPSL/L-3 Comm	1		PSS/PK		SS	FFP	PPSL/L-3 Comm, Salt Lake City, UT	May-05	Oct-05	Yes	
FY 2006											
RQ-1/MQ-1/General Atomics ASI	7		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-06	Mar-07	Yes	
PRED B/General Atomics ASI	2		PSS/PK		SS	FPIF	PRED B/General Atomics ASI, Rancho Bernardo, CA	Jun-06	May-08	Yes	
GCS/General Atomics ASI	2		PSS/PK		SS	FFP	GCS/General Atomics ASI, Rancho Bernardo, CA	Feb-06	Sep-07	Yes	
FY 2007											
RQ-1/MQ-1/General Atomics ASI	24		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI, Rancho Bernardo, CA	Feb-07	Apr-08	Yes	
PRED B/General Atomics ASI	2		PSS/PK		SS	FFP	PRED B/General Atomics ASI, Rancho Bernardo, CA	Jun-07	Mar-09	Yes	
GCS/General Atomics ASI	1		PSS/PK		SS	FFP	GCS/General Atomics ASI	Feb-07	Feb-08	Yes	
PPSL/L-3 Comm	3		PSS/PK		SS	FFP	PPSL/L-3 Comm	May-07	Jan-08	Yes	
FY 2008											
RQ-1/MQ-1/General Atomics ASI	43		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-08	Apr-09	Yes	
PRED B/General Atomics ASI	4		PSS/PK		SS	FFP	PRED B/General Atomics ASI	Jun-08	Dec-09	Yes	
GCS/General Atomics ASI	4		PSS/PK		SS	FFP	GCS/General Atomics ASI	Feb-08	Feb-09	Yes	

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05								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 2009											
RQ-1/MQ-1/General Atomics ASI	48		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-09	Apr-10	Yes	
PRED B/General Atomics ASI	8		PSS/PK		SS	FFP	PRED B/General Atomics ASI	Jun-09	Jul-10	Yes	
GCS/General Atomics ASI	7		PSS/PK		SS	FFP	GCS/General Atomics ASI	Feb-09	Feb-10	Yes	
PPSL/L-3 Comm	5		PSS/PK		SS	FFP	PPSL/L-3 Comm	May-09	Mar-10	Yes	
FY 2010											
RQ-1/MQ-1/General Atomics ASI	42		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-10	Apr-11	Yes	
PRED B/General Atomics ASI	8		PSS/PK		SS	FFP	PRED B/General Atomics ASI	Jun-10	May-11	Yes	
GCS/General Atomics ASI	1		PSS/PK		SS	FFP	GCS/General Atomics ASI	Feb-10	Feb-11	Yes	
PPSL/L-3 Comm	2		PSS/PK		SS	FFP	PPSL/L-3 Comm	May-10	Feb-11	Yes	
FY 2011											
RQ-1/MQ-1/General Atomics ASI	32		PSS/PK		SS	FFP	RQ-1/MQ-1/General Atomics ASI	Feb-11	Apr-12	Yes	
PRED B/General Atomics ASI	8		PSS/PK		SS	FFP	PRED B/General Atomics ASI	Jun-11	Jun-12	Yes	
GCS/General Atomics ASI	1		PSS/PK		SS	FFP	GCS/General Atomics ASI	Feb-11	Feb-12	Yes	
PPSL/L-3 Comm	1		PSS/PK		SS	FFP	PPSL/L-3 Comm	May-11	Oct-11	Yes	
Remarks											

Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
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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	7	0	7																									7
2005	USAF	1	0	1																									1
2007	USAF	3	0	3																									3
2009	USAF	5	0	5																									5
2010	USAF	2	0	2																									2
2011	USAF	1	0	1																									1
TOTAL																													19

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ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME				MFG TIME	TOTAL AFTER 1 OCT	
		MIN SUST	SHIFT HOURS DAYS	M A X	ADMIN LEAD TIME		INITIAL				
					PRIOR 1 OCT	AFTER 1 OCT					
PPSL/L-3 Comm	Rancho Bernardo, CA	0	1-8-5	18							
					INITIAL	6	6	14	20		
					REORDER	1	1	14	15		

REMARKS
FY 2007 GWOT will buy 2 PPSLs.

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Exhibit P-21, Production Schedule

Date: February 2007

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

P-1 Line Item Nomenclature

Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05

PREDATOR UAV

PROCUREMENT YEAR	SERV	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2003	BALANCE DUE AS OF 1 OCT 2003	FISCAL YEAR 2004												FISCAL YEAR 2005												L A T E R
					2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005												
					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	0	7																									
2005	USAF	1	0	1																									
2007	USAF	3	0	3																									
2009	USAF	5	0	5																									
2010	USAF	2	0	2																									
2011	USAF	1	0	1																									
TOTAL		19	0	19																									

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																					
					PRIOR 1 OCT	AFTER 1 OCT					OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP							
PPSL/L-3 Comm	Rancho Bernardo, CA	0	1-8-5	18																									

REMARKS

FY 2007 GWOT will buy 2 PPSLs.

Exhibit P-21, Production Schedule	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV

PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2005	BALANCE DUE AS OF 1 OCT 2005	FISCAL YEAR 2006												FISCAL YEAR 2007												L A T E R
					2005			CALENDAR YEAR 2006									CALENDAR YEAR 2007												
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	
2004	USAF	7	7	0																								0	
2005	USAF	1	0	1	1																							0	
2007	USAF	3	0	3																							3		
2009	USAF	5	0	5																							5		
2010	USAF	2	0	2																							2		
2011	USAF	1	0	1																							1		
TOTAL		19	7	12	1																						11		

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			
PPSL/L-3 Comm	Rancho Bernardo, CA	0	1-8-5	18	PRIOR 1 OCT	AFTER 1 OCT				
					6	6	14			20
					1	1	14			15

REMARKS
FY 2007 GWOT will buy 2 PPSLs.

Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
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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	
2004	USAF	7	7	0																							0		
2005	USAF	1	1	0																							0		
2007	USAF	3	0	3				1						1													0		
2009	USAF	5	0	5																							5		
2010	USAF	2	0	2																							2		
2011	USAF	1	0	1																							1		
TOTAL								1						1													8		
					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																		
PPSL/L-3 Comm		Rancho Bernardo, CA			0 1-8-5 18			INITIAL			6 6			14 20															
								REORDER			1 1			14 15															

REMARKS
FY 2007 GWOT will buy 2 PPSLs.

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Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
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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	N	D	J	F	M	A	M	J	J	A	S	O	N	D	J	F	M	A	M	J	J	A	S	
					C	O	E	A	E	A	P	A	U	U	U	E	C	O	E	A	E	A	P	A	U	U	U	E	
T	V	C	N	B	R	R	Y	N	L	G	P	T	V	C	N	B	R	R	Y	N	L	G	P						
2004	USAF	7	7	0																					0				
2005	USAF	1	1	0																					0				
2007	USAF	3	3	0																					0				
2009	USAF	5	0	5							1			1											0				
2010	USAF	2	0	2															1					1	0				
2011	USAF	1	0	1																					1				
TOTAL																									1				

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				MFG TIME										
					PRIOR 1 OCT	AFTER 1 OCT													
PPSL/L-3 Comm	Rancho Bernardo, CA	0	1-8-5	18															
					6	6						14			20				
					1	1						14			15				

REMARKS
FY 2007 GWOT will buy 2 PPSLs.

Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
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PROCUREMENT YEAR	S E R V	PROC. QTY	ACCEP. PRIOR TO 1 OCT 2003	BALANCE DUE AS OF 1 OCT 2003	FISCAL YEAR 2004												FISCAL YEAR 2005												L A T E R							
					2003			CALENDAR YEAR 2004									CALENDAR YEAR 2005																			
					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								
2002	USAF	23	3	20	1	4	6							1	2	1																				0
2003	USAF	22	0	22											1	2	1	1	2												1	3	3		0	
2004	USAF	10	0	10																													2	8		
2005	USAF	22	0	22																														22		
2006	USAF	7	0	7																													7			
2007	USAF	24	0	24																													24			
2008	USAF	43	0	43																													43			
2009	USAF	48	0	48																													48			
2010	USAF	42	0	42																													42			
2011	USAF	32	0	32																													32			
TOTAL		273	3	270	1	4	6							1	2	2	2	1	1	2							3	1	4		1	3	3	2	226	

	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
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ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME																																		
		MIN SUST	SHIFT HOURS	M A X	ADMIN LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT																															
					PRIOR 1 OCT	AFTER 1 OCT																																	
RQ-1/MQ-1/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	24																																			
									INITIAL	6	6			14		20																							
									REORDER	1	1			14		15																							

REMARKS
FY07 GWOT will buy 22 MQ-1s.

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Exhibit P-21, Production Schedule Date: February 2007

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05 **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	10	2	8	1	2	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	7	0	7															1	1				1		3			
2007	USAF	24	0	24																						24			
2008	USAF	43	0	43																						43			
2009	USAF	48	0	48																						48			
2010	USAF	42	0	42																						42			
2011	USAF	32	0	32																						32			
TOTAL		228	2	226	1	2	2	2	2	2	2	2	2	2	1	2	1	2	1	2	1	1	1	1	1	192			

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	24						
									14	20
									14	15

REMARKS
 FY07 GWOT will buy 22 MQ-1s.

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Exhibit P-21, Production Schedule Date: February 2007

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05 **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	7	4	3		1			1			1															0		
2007	USAF	24	0	24							2	2	2	2	2	2	2	2	2	2	2	2					0		
2008	USAF	43	0	43																		3	3	3	3	3	4		
2009	USAF	48	0	48																							48		
2010	USAF	42	0	42																							42		
2011	USAF	32	0	32																							32		
TOTAL		196	4	192		1			1			1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	146		

						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
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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																						
					PRIOR 1 OCT	AFTER 1 OCT																								
RQ-1/MQ-1/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	24																										
					INITIAL				6	6																				
					REORDER				1	1																				

REMARKS
 FY07 GWOT will buy 22 MQ-1s.

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Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV
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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		OCT		
2007	USAF	24	24	0																												
2008	USAF	43	19	24	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
2009	USAF	48	0	48							4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4					
2010	USAF	42	0	42																					4	4	4	4				
2011	USAF	32	0	32																												
TOTAL		189	43	146	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	0	50		
						OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT		
				PRODUCTION RATES		PROCUREMENT LEAD TIME																										
ITEM/MANUFACTURER'S NAME		LOCATION		MIN SUST	SHIFT HOURS	MAX	ADMIN LEAD TIME						MFG TIME	TOTAL AFTER 1 OCT																		
							PRIOR 1 OCT			AFTER 1 OCT																						
RQ-1/MQ-1/General Atomics ASI		Rancho Bernardo, CA		7	1-8-5	24							14	20																		
							INITIAL			6																						
							REORDER			1			14																			

REMARKS
FY07 GWOT will buy 22 MQ-1s.

Exhibit P-21, Production Schedule	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	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	43	43	0																									0	
2009	USAF	48	48	0																										0
2010	USAF	42	24	18	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		0
2011	USAF	32	0	32									3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		0	
TOTAL		165	115	50	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		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					

ITEM/MANUFACTURER'S NAME	LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME					
		MIN SUST	SHIFT HOURS	MAX	ADMIN LEAD TIME		MFG TIME	TOTAL AFTER 1 OCT		
RQ-1/MQ-1/General Atomics ASI	Rancho Bernardo, CA	7	1-8-5	24						
					INITIAL		6	6	14	20
					REORDER		1	1	14	15

REMARKS
FY07 GWOT will buy 22 MQ-1s.

Exhibit P-21, Production Schedule	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature PREDATOR UAV

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
2004	USAF	7	0	7																								7
2005	USAF	7	0	7																								7
2006	USAF	2	0	2																								2
2007	USAF	1	0	1																								1
2008	USAF	4	0	4																								4
2009	USAF	7	0	7																								7
2010	USAF	1	0	1																								1
2011	USAF	1	0	1																								1
TOTAL		30	0	30																								30
					O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P	O C T	N O V	D E C	J A N	F E B	M A R	A P R	M A Y	J U N	J U L	A U G	S E P
ITEM/MANUFACTURER'S NAME		LOCATION	PRODUCTION RATES			PROCUREMENT LEAD TIME							MFG TIME		TOTAL AFTER 1 OCT													
GCS/General Atomics ASI		Rancho Bernardo, CA	MIN SUST	SHIFT HOURS DAYS	M A X						ADMIN LEAD TIME			20														
					PRIOR 1 OCT		AFTER 1 OCT																					
					INITIAL		REORDER				14	20																
					6		6				14	20																
					1		1				14	15																

REMARKS
FY07 GWOT will buy 7 GCSs.

Exhibit P-21, Production Schedule	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	P-1 Line Item Nomenclature 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												1			1		1	1			1		0		
2006	USAF	2	0	2																						1	1		
2007	USAF	1	0	1																						1	1		
2008	USAF	4	0	4																						4	4		
2009	USAF	7	0	7																						7	7		
2010	USAF	1	0	1																						1	1		
2011	USAF	1	0	1																						1	1		
TOTAL		30	2	28		1	1		1	1		1			1			1	1		1	1		1	1	15			

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

REMARKS
FY07 GWOT will buy 7 GCSs.

Exhibit P-21, Production Schedule	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 05	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		OCT
2004	USAF	7	7	0																										0
2005	USAF	7	7	0																										0
2006	USAF	2	1	1				1																						0
2007	USAF	1	0	1																										0
2008	USAF	4	0	4																										1
2009	USAF	7	0	7																										7
2010	USAF	1	0	1																										1
2011	USAF	1	0	1																										1
TOTAL		30	15	15				1																						10

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

REMARKS
FY07 GWOT will buy 7 GCSs.

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Exhibit P-40, Budget Item Justification	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 69	P-1 Line Item Nomenclature Aircraft Initial Spares

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)			0.000	0.000	2.480	0.000	0.000	0.000	0.000	N/A	N/A

Description

Program Description: Aircraft Initial Spares are required to fill the initial pipeline or inventory for all new aircraft systems, including modifications, support equipment, and other production categories. Initial spares include peculiar 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.

FY07 GWOT SUPPLEMENTAL:

- Precision Attack: (\$2.48M) Buys initial spares to support the 39 additional Sniper Pods purchased with BP-19 GWOT funds.
- B-2: (\$24.8M) B-2 Radar Modernization Initial Spares, barebones version of radar, better antennae than current and good growth capability, 25 month lead time.
- CV_22: (\$47.05) the initial spares will be used to support CV-22 operations at special operations sites (i.e., Hulburt or Cannon AFB) and/or support of AFSOC deployments. USAF initial spares include high-dollar requirements such as engine and rotor hubs & gearboxes, as well as other CV-22 common parts.

FY 2007 Program Justification

The major portion of the FY 2007 Initial Spares funds are in the Joint Strike Fighter (JSF, F-35), Manned Reconnaissance System (RC-135), CV-22, F-16 Mods, and Readiness Spares Packages for the KC-135.

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Exhibit P-5, Weapon System Cost Analysis	Date: February 2007
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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. 69	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										
		FY06 GWOT			FY07 Title IX			FY07 GWOT			Cost to Complete	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
INITIAL SPARES (Budget Program 16)				200.338								
TOTAL PROGRAM				200.338								

Comments

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Exhibit P-18A, Initial Spare Funding Summary		Date: February 2007	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 69		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>FY06 GWOT</u>	<u>FY07 GWOT</u>
3	Precision Attack Systems (Other)	0.000	2.480
	TOTAL INITIAL SPARES	0.000	2.480
P-1 Shopping List Item No. 69		Initial Spare Funding Summary Exhibit P-18A, page 1 of 2	

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Exhibit P-18A, Initial Spare Funding		Date: February 2007	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 69		P-1 Line Item Nomenclature Aircraft Initial Spares	
Initial Spare Funding	<u>Initial Spare Funding</u>		
<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY06 GWOT</u>	<u>FY07 GWOT</u>
	WCF SPARES	-99.556	2.480
	EXEMPT SPARES	99.556	
	TOTAL INITIAL SPARES	0.000	2.480
P-1 Shopping List Item No. 69		Initial Spare Funding Exhibit P-18A, page 2 of 2	

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Exhibit P-40, Budget Item Justification	Date: February 2007
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 B-2A ICS

Program Element for Code B Items:		N/A11			Other Related Program Elements:					N/A	
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Cost (\$ M)					4.000						4.000
Interim Ctr Support (\$ M)											0.000
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	0.000	0.000	4.000	0.000	0.000	0.000	0.000	0.000	4.000
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	4.000	0.000	0.000	0.000	0.000	0.000	4.000
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description
 Interim Contractor Support (ICS) provides maintenance and repair capability to meet Air Combat Command (ACC) operational requirements for the B-2 weapon system. The ICS program is a comprehensive repair capability repairing 377 different B-2 Line Replaceable Units (LRU), Shop Replaceable Units (SRU), airframe structures, hydro-mechanical components, and avionics components until permanent depot capability is established.

FY 2007 Program Justification
 FY 2007 GWOT JUSTIFICATION

B-2 Mobility Readiness Spares Package (MRSP); PE 11127F; (\$3.1M); 3010 BP13050; MPC: 1350
 Needed to replenish B-2 Mobility Readiness Spares Package consumed during GWOT effort. MRSP is an air transportable set of recoverable items to support contingency operations pending re-supply. The 412 items included in packages are repairable assets such as displays and pumps. A high level of MICAP repairable assets is limiting asset availability. If assets are not available, program will cannibalize needed parts from other aircraft. Lack of items will impair Mission Capability rate and decrease aircraft availability.

B-2 Contingency High Priority Mission Support Kit (CHPMSK); PE 11127F; (\$1.1M); 3010 BP13050;
 MPC: 1350
 Needed to replenish B-2 Contingency High Priority Mission Support Kit that was consumed during GWOT effort. CHPMSK is an air transportable set of recoverable items to support contingency operations pending re-supply. This kit is an independent and separate kit (not part of the MRSP). Items included in packages are repairable assets such as antennas. There are 44 high demand items included in the kit. If assets are not available, program will cannibalize needed parts from other aircraft. Lack of items will impair Mission Capability rate and decrease aircraft availability.

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Exhibit P-5, Weapon System Cost Analysis	Date: February 2007
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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. 73	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										
		FY06 GWOT			FY07 Title IX			FY07 GWOT			Cost to Complete	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
B-2 Mobility Readiness Spares Package (MRSP)								1		3.000		
B-2 Contingency High Priority Mission Support Kit (CHPMSK)								1		1.000		
TOTAL PROGRAM										4.000		

Comments

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Exhibit P-40, Budget Item Justification	Date: February 2007
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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
---	---

	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011
Proc Qty							
Total Proc Cost (\$ M)	10.000	0.000	78.000	0.000	0.000	0.000	0.000

Description

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Exhibit P-40A, Budget Item Justification for Aggregated Items	Date: February 2007
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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 Miscellaneous Production Charges
---	---

<u>Procurement Items (\$M)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
Advanced Targeting Pods	10.000	0.000	78.000
Total Adjustments	10.000	0.000	78.000

P-1 Shopping List Item No. 80	Budget Item Justification for Aggregated Items Exhibit P-40A, page 2 of 3
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Exhibit P-1900, P-1900	Date: February 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 05	P-1 Line Item Nomenclature Advanced Targeting Pods

**FY 2007 GWOT SUPPLEMENTAL
PRECISION ATTACK SYSTEMS PROCUREMENT FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:

Advanced Targeting Pods

MODELS OF AIRCRAFT APPLICABLE:

F-16, F-15, F-15E, A-10, B-52, B-1

DESCRIPTION/JUSTIFICATION:

Advanced Targeting Pods (ATP) provide long- range target acquisition and expanded weapons delivery envelopes for greater aircraft survivability. ATPs feature Third Generation Forward Looking Infrared Sensor, charged coupled device TV, improved laser capability, laser spot tracker, infrared marker, and real-time data-transfer connectivity with the Battlefield ground forces. Greater aircraft standoff, improved resolution, eye safe laser, higher system reliability, and smaller deployment footprint give ATPs a greater combat effectiveness across several mission areas, including Suppression/Destruction of Enemy Air Defenses, precision attack interdiction, close air support, reconnaissance, and time-sensitive targeting. The video image upgrade to ATPs provides ground forces improved combat effectiveness resulting in quicker kills with reduced collateral damage and fratricide. This Global War on Terror submission purchases 39 Sniper ATPs with video downlink capability.

PROJECTED FINANCIAL PLAN:

	FY06 GWOT	FY07 Title IX	GY07 GWOT
BASIS FOR COST ESTIMATE:			
TOTAL COST	10.000	0.000	78.000

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Exhibit P-40, Budget Item Justification	Date: February 2007
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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
---	---

	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011
Proc Qty							
Total Proc Cost (\$ M)	0.000	0.000	70.500	0.000	0.000	0.000	0.000

Description

This program provides centralized funding for multi-Service and Air Force requirements to field future airborne reconnaissance systems and FY07 GWOT SUPPLEMENTAL requirements as detailed in P-1900.

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Exhibit P-1900, P-1900	Date: February 2007
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 2007 GWOT SUPPLEMENTAL 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:	FY06 GWOT	FY07 Title IX	GY07 GWOT
TOTAL COST	0.000 0.000	0.000	70.500 70.500

UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book

FY 2007 Global War on Terrorism Supplemental



February 2007

**AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME II**

OPR: SAF/FMB

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P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
B-1	P	GW025	INTEGRATION WITH ATP				6.9						6.9
TOTAL FOR CLASS P				0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	6.9
TOTAL FOR AIRCRAFT B-1				0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	6.9

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
A-10	P	GW020	PRECISION ENGAGEMEN				37.7						37.7
		GW021	REPLACEMENT WING				33.7						33.7
TOTAL FOR CLASS P				0.0	0.0	0.0	71.4	0.0	0.0	0.0	0.0	0.0	71.4
		GW022	URBAN CAS				10.0						10.0
		GW023	LINE OF SIGHT/BEYOND				68.5						68.5
		GW024	EXTENDED DURATION C				67.5						67.5
TOTAL FOR CLASS				0.0	0.0	0.0	146.0	0.0	0.0	0.0	0.0	0.0	146.0
TOTAL FOR AIRCRAFT A-10				0.0	0.0	0.0	217.4	0.0	0.0	0.0	0.0	0.0	217.4

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
F-15	P	GW047	C AESA RADAR				72.0						72.0
		GW05	F-15E JHMCS				120.0						120.0
TOTAL FOR CLASS P				0.0	0.0	0.0	192.0	0.0	0.0	0.0	0.0	0.0	192.0
TOTAL FOR AIRCRAFT F-15				0.0	0.0	0.0	192.0	0.0	0.0	0.0	0.0	0.0	192.0

Totals may not add due to rounding.

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-5	P	GW036	DEFENSE SYSTEM INSTA				5.6						5.6
TOTAL FOR CLASS P				0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	5.6
TOTAL FOR AIRCRAFT C-5				0.0	0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	5.6

Totals may not add due to rounding.

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-17		GW043	LAIRCM				92.0						92.0
TOTAL FOR CLASS				0.0	0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	92.0
TOTAL FOR AIRCRAFT C-17				0.0	0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	92.0

Totals may not add due to rounding.

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-37	P	GW043	LAIRCM				112.4						112.4
TOTAL FOR CLASS P				0.0	0.0	0.0	112.4	0.0	0.0	0.0	0.0	0.0	112.4
TOTAL FOR AIRCRAFT C-37				0.0	0.0	0.0	112.4	0.0	0.0	0.0	0.0	0.0	112.4

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
C-40	P	GW043	LAIRCM				90.5						90.5
TOTAL FOR CLASS P				0.0	0.0	0.0	90.5	0.0	0.0	0.0	0.0	0.0	90.5
TOTAL FOR AIRCRAFT C-40				0.0	0.0	0.0	90.5	0.0	0.0	0.0	0.0	0.0	90.5

Totals may not add due to rounding.

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
C-130	P	GW043	LAIRCM				190.0						190.0
		GW045	C-130 SENIOR SCOUT (G				32.6						32.6
TOTAL FOR CLASS P				0.0	0.0	0.0	222.7	0.0	0.0	0.0	0.0	0.0	222.7
TOTAL FOR AIRCRAFT C-130				0.0	0.0	0.0	222.7	0.0	0.0	0.0	0.0	0.0	222.7

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<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
CCALL	P	GW029	COMPASS CALL IED				15.7						15.7
		GW030	COMPASS CALL SELF PR				8.0						8.0
TOTAL FOR CLASS P				0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0	23.7
TOTAL FOR AIRCRAFT CCALL				0.0	0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0	23.7

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
DARP	P	GW011	RECEIVERS FOR EXPLOI				10.0						10.0
		GW012	WIDE-BAND REAL-TIME S				5.0						5.0
TOTAL FOR CLASS P				0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0
TOTAL FOR AIRCRAFT DARP				0.0	0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

02/28/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
E-8C		GW010	BLOS					3.0	9.7	4.9			17.5
TOTAL FOR CLASS				0.0	0.0	0.0	0.0	3.0	9.7	4.9	0.0	0.0	17.5
TOTAL FOR AIRCRAFT E-8C				0.0	0.0	0.0	0.0	3.0	9.7	4.9	0.0	0.0	17.5

P-1M MODIFICATION REPORT - 07 GWOT Supplemental (HQ USAF)

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<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
OTHER	P	GW015	REPLACE TARS		27.6	19.9	13.6						61.2
		GW016	ADVANCED TARGETING				19.9						19.9
TOTAL FOR CLASS P				0.0	27.6	19.9	33.6	0.0	0.0	0.0	0.0	0.0	81.1
TOTAL FOR AIRCRAFT OTHER				0.0	27.6	19.9	33.6	0.0	0.0	0.0	0.0	0.0	81.1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: B-1			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$6.880	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the B-1B aircraft and associated simulators and equipment for the FY07 GWOT. The B-1 is a multi-engine, supersonic, long range bomber capable of delivering nuclear or conventional munitions. The primary modifications budgeted in FY07 GWOT is the Integration with Advanced Targeting Pod. The specific modification budgeted and programmed are below.

CLASS	MOD NR	MODIFICATION TITLE	FY-05	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	COST TO GO	TOTAL PROG
P	GW025	INTEGRATION WITH ATP			6.9						6.9
TOTAL FOR CLASS P			0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	6.9
TOTAL FOR WEAPON SYSTEM B-1			0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	6.9

Totals may not add due to rounding.

	P-1 SHOPP LIST ITEM NO. 27	PAGE NO. 1	
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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: INTEGRATION WITH ATP MN-GW025

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: B-1 Class P

Models of Aircraft Affected: B1-B

Center: ASC - Wright Patterson AFB, OH

PE 0101126F Team POWER

Description/Justification

The B-1B electro-optic/infrared (EO/IR) advanced targeting pod (ATP) will significantly improve combat situational awareness, provide a capability to positively identify targets, employ precision guide weapons, perform battle damage assessment, procure digital data recorders to provide post-mission non-traditional intelligence surveillance and reconnaissance (ISR). This modification includes procuring pylons for the hard points with group A wiring kits as well as the hardware and software necessary to control and display the ATP video on laptop controller. Congress added \$25M of RDT&E funds in FY05 to provide forward looking infrared (FLIR) and data link upgrades to advance the B-1B targeting pod efforts prior to system development and demonstration (SDD). Additional production funds related to this mod will be used to produce the external hard point modifications and pylons for the B-1B, which will be used to carry the ATP.

FY2007 TITLE IX JUSTIFICATION: N/A

FY 2007 GWOT JUSTIFICATION:

This effort integrates and procures hardware and software for ATPs on B-1Bs. USCENTAF formally identified an urgent need request (UNR) to install an ATP on the B-1B to enable positive target identification, generate precision coordinates, remote operations video enhance receiver (ROVER) downlink, allow laser guided weapons employment, and to expand the B-1B non-traditional ISR capability in order to support ongoing GWOT operations in the CENTCOM AOR.

This effort is required for the B-1B's ability to provide positive identification (PID) of targets on the ground from a medium altitude. Based on the CENTCOM AOR rules of engagement to provide positive identification, the B-1B's ability to provide targeting data will be enhanced significantly with an ATP. USCENTAF UNR (Jul 06), USCENTAF combat mission need statement (CMNS) (Aug 03), and a CJTF-180 operational need statement (ONS) all require B-1Bs to provide PID of targets. The capability provided by an integrated ATP will significantly reduce the tactical air controller's talk-on time. It will provide a vast improvement in the B-1B's ability to autonomously obtain PID of targets, reduce the chance of fratricide, and limit collateral damage.

Reason funds are required: The B-1B is a major contributor to GWOT, flying daily contingency operation missions in the CENTCOM AOR and will continue for the foreseeable future. GWOT operations have developed a specific requirement for aircraft to work in close coordination with ground troops to detect and destroy enemy targets and minimize collateral damage. Kill chain timing is critical and the B-1B's limited on-board sensors can cause delay. In the last 3 months there have been 81 documented cases when a B-1B was the "on-station" aircraft but was unable to support a joint tactical air support request due to its inability to positively identify a target.

Impact if funds are not provided: B-1Bs without ATPs will not be able to support ground forces, will not be able to provide positive target identification, and will not be able to support the evolving non-traditional ISR mission.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Development begins as soon as funds are available.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT								57.030				

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
OGC												
FY07 GWOT							6.880					
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)							6.880					
(Totals may not add due to rounding)							6.880					
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								57.030
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
OGC								
FY07 GWOT								6.880
INSTALLATION OF HARDWARE								
TOTAL INSTALL	<hr/>							
TOTAL COST (BP-1100)	<hr/>							
(Totals may not add due to rounding)								6.880
INSTALLATION QTY								

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: A-10			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$3.760	\$249.486	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the A-10 aircraft for the FY07 GWOT. The A-10 is a twin engine, single seat, close air support aircraft capable of delivering a full range of air-to-ground munitions as well as self defense air-to-air missiles. The primary modification budgeted in FY07 GWOT is the Line of Sight/Beyond Line of Sight mod. The Precision Engagement mod is critical to the baseline A-10 program as well as this GWOT submittal. Other modifications in the FY07 GWOT are below.

CLASS	MOD NR	MODIFICATION TITLE	FY-05	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	COST TO GO	TOTAL PROG
P	GW020	PRECISION ENGAGEMENT			37.7						37.7
	GW021	REPLACEMENT WING			33.7						33.7
TOTAL FOR CLASS P			0.0	0.0	71.4	0.0	0.0	0.0	0.0	0.0	71.4
	GW022	URBAN CAS			10.0						10.0
	GW023	LINE OF SIGHT/BEYOND LINE			68.5						68.5
	GW024	EXTENDED DURATION COVE			67.5						67.5
TOTAL FOR CLASS			0.0	0.0	146.0	0.0	0.0	0.0	0.0	0.0	146.0
TOTAL FOR WEAPON SYSTEM A-10			0.0	0.0	217.4	0.0	0.0	0.0	0.0	0.0	217.4

Totals may not add due to rounding.

	P-1 SHOPP LIST ITEM NO. 30	PAGE NO. 1	
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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: PRECISION ENGAGEMENT MN-GW020

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: A-10 Class P

Models of Aircraft Affected: A/OA-10

Center: OO-ALC - Hill AFB, UT

PE 27131F Team

Description/Justification

The Precision Engagement Modification effort on the A/OA-10 provides all-weather Close Air Support (CAS) to coalition ground forces fighting the Global War on Terrorism. Provides Litening and Sniper pod, Joint Direct Attack Munition (JDAM), Digital Stores Management System, and Hands on Throttle and Stick (HOTAS) capabilities. New pilot-to-aircraft interface reduces pilot's "heads-down" time in the cockpit.

Precision Engagement inductions provide timely schedule opportunity to install other modifications like Situational Awareness Data Link (SADL). Precision Engagement greatly enhances pilot's understanding of the air and ground battle space, reducing the possibility of fratricide. The FY07 GWOT supplemental will allow the government to obtain 41 needed kits, providing additional war fighters with expanded capability sooner.

FY07 GWOT JUSTIFICATION

Fielding more PE equipped aircraft sooner reduces the likelihood of sending a mixture of PE and non-PE aircraft to fulfill OEF deployments. In addition, CENTCOM has indicated that A-10s will not be sent to OIF unless they are PE equipped.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

PE Spiral 1 hardware and software is currently in flight test. PE Spiral 1 kit-proof is scheduled for April - July 06. Initial kit deliveries and installs are occurring in FY06.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							[41]	37.700				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								37.700				
(Totals may not add due to rounding)												
INSTALLATION QTY												

(Continued)

	<u>FY-10</u>		<u>FY-11</u>		<u>TO COMP</u>		<u>TOTAL</u>	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
FY07 GWOT							[41]	37.700
INSTALLATION OF HARDWARE	<hr/>							
TOTAL INSTALL	<hr/>							
TOTAL COST (BP-1100)	<hr/>							
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 13 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				06/07
Delivery Date (Month/CY)				12/07

Installation Schedule

		<u>FY-04</u>			<u>FY-05</u>			<u>FY-06</u>			<u>FY-07</u>			<u>FY-08</u>			<u>FY-09</u>			<u>FY-10</u>			<u>FY-11</u>		
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Input																									
Output																									
Quarter	1	<u>FY-12</u>			<u>FY-13</u>			<u>FY-14</u>			<u>FY-15</u>			<u>FY-16</u>			<u>FY-17</u>			<u>FY-18</u>					
Input																									
Output																									

02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: REPLACEMENT WING MN-GW021

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: A-10 Class P

Models of Aircraft Affected: A/AO-10

Center: OO-ALC - Hill AFB, UT

PE 27131F

Team

Description/Justification

Thin-skin wings have exceeded their economic repair limit; it is more cost effective to replace them. The A/OA-10 operational requirement and Program Management Directive (PMD) extend the A/OA-10 aircraft's service life to 16,000 hours. To meet the required aircraft service life, A/OA-10 thin-skin wings must be replaced with thick-skin wings similar to those used on the later lots of production aircraft.

Replaces 223 thin-skin wings on A-10 fleet with new wings based on the existing thick-skin wing configuration, with improvements to known fatigue-critical locations.. Prevents aircraft grounding due to shortage of serviceable wings in the inventory. Incorporates R&M enhancements to improve MC rates and increase inspection interval. Replacement wings will be installed as part of the O&M-funded Scheduled Structural Inspections (SSI). Therefore, there are no APAF-funded installation costs.

FY 2007 GWOT JUSTIFICATION

Based on current structural condition and condemnation rates, the A-10 fleet will not have enough serviceable wings for every fuselage beginning in FY11. Current FY07 funding provides for production tooling and one (1) LRIP wing. Five (5) additional LRIP wings will preclude potential grounding of aircraft if wings removed during scheduled structural inspections are not repairable prior to full rate production.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

Congress provided funds for 3-D modeling of the wing structure. The modeling has proven invaluable in assessing the impacts of proposed refinements to the current thick wing design to support the wing replacement program starting in FY07.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
OGC												
FY07 GWOT							[4]	33.700				

Projected Financial Plan Continued

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							33.700					
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
OGC								
FY07 GWOT							[4]	33.700
INSTALLATION OF HARDWARE								
TOTAL INSTALL	<hr/>							
TOTAL COST (BP-1100)	<hr/>							
(Totals may not add due to rounding)								33.700
INSTALLATION QTY								

Method of Implementation: DEPOT

Initial Lead Time: 39 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				06/07
Delivery Date (Month/CY)				06/10

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: URBAN CAS MN-GW022

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: A-10 Class

Models of Aircraft Affected: Center: PE Team

Description/Justification

Procures 100 missile rails for the A-10 to add the Hellfire capability to limit collateral damage concerns. A-10 needs weapons capabilities to include low collateral damage, all-altitude, point-shoot, minimum-range capable, short time-of-flight, small weapon capability, precision-guided, and interoperable.

FY 2007 GWOT JUSTIFICATION

Lessons from OIF and other GWOT efforts have reiterated the need for weapons (Hellfire II) to fight the GWOT with weapons that provide flexible force application. Hellfire II is required to support danger-close, troops-in-contact CAS, Urban ops, CSAR, and SOF support where collateral damage must be minimized.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

Requesting \$10M of FY 2007 GWOT funding for development & integration of Urban CAS onto A/OA-10.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							[100]	10.000				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								10.000				
(Totals may not add due to rounding)												
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
FY07 GWOT							[100]	10.000
INSTALLATION OF HARDWARE	<hr/>							
TOTAL INSTALL								
TOTAL COST (BP-1100)	<hr/>							
(Totals may not add due to rounding)								10.000
INSTALLATION QTY								

Method of Implementation: DEPOT

Initial Lead Time: 9 Months

Follow-On Lead Time: 3 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>
Contract Date (Month/CY)					03/08
Delivery Date (Month/CY)					12/08

Installation Schedule

		<u>FY-04</u>			<u>FY-05</u>			<u>FY-06</u>			<u>FY-07</u>			<u>FY-08</u>			<u>FY-09</u>			<u>FY-10</u>			<u>FY-11</u>		
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Input																									
Output																									
Quarter	1	<u>FY-12</u>			<u>FY-13</u>			<u>FY-14</u>			<u>FY-15</u>			<u>FY-16</u>			<u>FY-17</u>			<u>FY-18</u>					
Input		2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
Output																									

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: LINE OF SIGHT/BEYOND LINE OF SIGHT MN-GW023

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: A-10 Class

Models of Aircraft Affected: A/OA-10

Center: OO-ALC - Hill AFB, UT

PE 27131F

Team

Description/Justification

The ARC-210 program removes and replaces the ARC-186 providing for a more robust and secure Line-of-Sight (LOS) communication capability with greatly enhanced functionality, and a Beyond Line-of-Sight (BLOS) Satellite Communication (SATCOM) capability. This effort supports the CENTAF Urgent Need Request (UNR) for in-theater operations down-range. The net effect of this improved communications capability is a highly reliable, responsive Close Air Support and Combat Search and Rescue capability, and lower field maintenance and support costs. Funding shall procure 294 LOS kits, supplementing the 51 LOS kits already on contract bringing the total to 345 LOS operationally configured aircraft. The funding shall also procure 345 BLOS kits, installs, and Non-Recurring Engineering (NRE).

FY07 GWOT JUSTIFICATION:

A/OA-10 aircraft are engaged in high-tempo combat operations requiring clear, secure communications with airborne platforms and multi-national ground forces in direct conflict with aggressive forces supporting terrorist activities. Non-ARC-210 configured A/OA-10 run higher risks of secure mode miscommunication impacting combat effectiveness in the battlefield environment. With the legacy radio system, A/OA-10s risk combat fratricide and interoperability challenges with joint and coalition forces. Operational and logistical limitations of legacy communications equipment are having severe impacts on mission effectiveness during composite force employment tasking. The need for the ARC-210 radio system was highlighted by a CENTAF Urgent Need Request to maximize flexibility in combat support operations worldwide. There are no alternative communication solutions that solve the operational and logistical shortfalls yet retain all the capabilities and attributes of current equipment in order to maximize interoperability with current and future composite force capabilities.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

SLOS complete. Confirming BLOS equipment items placement within fuselage of the aircraft.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT								68.500				
FY07 GWOT												

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							68.500					
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
FY07 GWOT								68.500
FY07 GWOT								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								68.500
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: COMBINATION

Initial Lead Time: 3 Months

Follow-On Lead Time: 3 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				06/07
Delivery Date (Month/CY)				09/07

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: EXTENDED DURATION COVERT INFRARED COUNTERMEASURES MN-GW024
 Models of Aircraft Affected: A/OA-10
 Center: OO-ALC - Hill AFB, UT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: A-10 Class
 PE Team

Description/Justification

The A/OA-10 aircraft requires an extended duration covert infrared countermeasures (EIRCM) capability to protect the aircraft from infrared surface to air missile (IRSAM) threats during typical air-to-surface missions.

The reactive infrared countermeasures (EIRCM) system will enhance the existing A-10 countermeasures system by adding an Infrared Missile Warning System. EIRCM allows the pilot to effectively manage and dispense countermeasures to operate at optimal performance and will improve A/OA-10 survivability in an offensive envelope.

FY 2007 GWOT JUSTIFICATION

EIRCM provides successful detection of unseen IR-missiles while providing automatic deployment of expenditures to counter these threats. Without a reactive EIRCM system, A-10 pilots must rely on eyesight to identify IR threats and will be required to manually dispense countermeasures to defeat IR threats. A reactive infrared countermeasures system will significantly improve A-10 survivability with respect to IR threats. This funding will complete all 356 aircraft.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
OGC												
FY07 GWOT							[306]	67.500				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								67.500				
(Totals may not add due to rounding)								67.500				
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL		
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	
RDT&E (3600)									
PROCUREMENT (3010)									
INSTALL KITS									
KITS NONRECUR									
EQUIPMENT									
EQUIP NONREC									
CHANGE ORDERS									
DATA									
SIM/TRAINER									
SUPPORT-EQUIP									
OGC									
FY07 GWOT							[306]	67.500	
INSTALLATION OF HARDWARE									
TOTAL INSTALL	<hr/>								
TOTAL COST (BP-1100)	<hr/>								
(Totals may not add due to rounding)								67.500	
INSTALLATION QTY									

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 5 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				12/07
Delivery Date (Month/CY)				05/08

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: F-15			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$191.962	\$217.180	\$0.000	\$0.000	\$0.000

This line item funds modifications to the F-15 aircraft for the FY07 GWOT. The F-15A/B/C/D is a twin engine, single seat, supersonic, all-weather, day/night, air-superiority fighter. The F-15E is a twin engine, two seat, supersonic dual-role, day/night, all-weather, deep interdiction fighter with multi-role air-to-air capabilities. The primary modification budgeted in FY07 GWOT are the F-15E AESA Radar and the Joint Helmet Mounted Cueing System. Other modifications requested in the FY07 GWOT are below.

CLASS	MOD NR	MODIFICATION TITLE	FY-05	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	COST TO GO	TOTAL PROG
P	GW047	C AESA RADAR			72.0						72.0
	GW05	F-15E JHMCS			120.0						120.0
TOTAL FOR CLASS P			0.0	0.0	192.0	0.0	0.0	0.0	0.0	0.0	192.0
TOTAL FOR WEAPON SYSTEM F-15			0.0	0.0	192.0	0.0	0.0	0.0	0.0	0.0	192.0

Totals may not add due to rounding.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: C AESA RADAR MN-GW047

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: F-15 Class P

Models of Aircraft Affected: F-15C/D

Center:

PE 0207130F

Team AIR

Description/Justification

The APG-63(V)3 upgrade is the single most important upgrade for increasing F-15 combat relevancy and operational effectiveness in the air-to-air arena. The (V)3 radar upgrade replaces the mechanically-scanned antenna on F-15C/D model aircraft with an electronically-scanned array antenna which provides improved reliability and performance.

Other avionics which support radar functionality may be replaced in these upgrades.

FY07 GWOT JUSTIFICATION:

\$72M will procure eight (V)3 AESA radar systems for active duty F-15C/D aircraft to support cruise missile defense mission and increase air-to-air combat effectiveness. Funds supportability, technical order changes, and trainers upgrade for full (V)3 capability. Also supports language contained in the FY 2006 Appropriations Bill that encourages the Air Force to establish an APG-63(V)3 upgrade program for the active forces.

Impact if not funded: delays needed increases in combat relevancy and cruise missile defense.

Aircraft Breakdown: Active 8, Reserve 0, ANG 0, Total 8

Development Status

The APG-63(V)3 uses the APG-63(V)1 "backend" hardware which is already operational on the F-15C. It uses software from the APG-63(V)2, an electronically-scanned array radar which is also already operational on the F-15C. The only new technology in the APG-63(V)3 is the antenna, which is based on technology developed for the APG-79 radar on the F/A-18E/F Super Hornet.

Development of the APG-63(V)3 antenna began in FY02 as part of a congressionally-funded F-15 Block Upgrade study. Additional funds were provided from FY03 through FY06 in a combination of congressional adds and President's Budget funding.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[8]	36.800				
KITS NONRECUR								3.990				
EQUIPMENT								3.640				
EQUIP NONREC							8	1.500				
CHANGE ORDERS												
DATA								2.150				
SIM/TRAINER							[3]	1.500				
SUPPORT-EQUIP								1.060				
SITE ACTIVATION								7.100				
ICS								2.500				
OGC												

Projected Financial Plan Continued

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
INSTALLATION OF HARDWARE												
FY-07 8 KITS							11.760					
TOTAL INSTALL							11.760					
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							8	72.000				
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[8]	36.800
KITS NONRECUR								3.990
EQUIPMENT								3.640
EQUIP NONREC							8	1.500
CHANGE ORDERS								
DATA								2.150
SIM/TRAINER							[3]	1.500
SUPPORT-EQUIP								1.060
SITE ACTIVATION								7.100
ICS								2.500
OGC								
INSTALLATION OF HARDWARE								
FY-07 8 KITS							[8]	11.760
TOTAL INSTALL							8	11.760
TOTAL COST (BP-1100)							8	72.000
(Totals may not add due to rounding)								
INSTALLATION QTY							8	

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																												
Output																												

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: F-15E JHMCS MN-GW05

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: F-15 Class P

Models of Aircraft Affected: E

Center: ASC - Wright Patterson AFB, OH

PE 0207134F

Team POWER

Description/Justification

Procures and installs JHMCS systems into the front cockpit of F-15E aircraft. This system adds high off-boresight capability to both air-to-air and air-to-ground missions, virtually negating the handicap of the maneuvering limitations imposed on the F-15E in its wartime configuration. For the air-to-ground mission, JHMCS improves an aircrew's ability to rapidly employ sensors and weapons against off-boresight ground targets, minimizes F-15E aircrew exposure to ground threats, and enhances situational awareness. For the air-to-air mission, JHMCS increases F-15E situational awareness, survivability and lethality in engagements.

If not funded, F-15E sensors limit an aircrew's ability to rapidly employ air-to-ground munitions and expose F-15 aircrew to "nose-on" ground threats. In addition, the F-15E cannot effectively employ high off-boresight weapons in the air-to-air environment, severely affecting F-15E survivability against the current baseline air-to-air threat.

Aircraft Breakdown: Active 224, Reserve , ANG , Total 224

Development Status

The original solution to this capability gap was Strike Helmet 21. JHMCS replaces capability originally expected to be gained from the cancelled Strike Helmet 21 effort. JHMCS is fielded in the Korean F-15 K. Suite 6 integrates JHMCS into the F-15E.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[224]	6.652				
KITS NONRECUR												
EQUIPMENT							224	58.960				
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								7.561				
SPARES							[23]	5.897				
OGC								13.078				
INSTALLATION OF HARDWARE												
FY-07 224 KITS								27.814	[6]			[72]
TOTAL INSTALL								27.814	6			72
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							224	119.962				
INSTALLATION QTY									6			72

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-5			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$5.600	\$0.000	\$0.000	\$0.000	\$0.000

FY2007 GWOT Supplemental: The C-5 modifications for GWOT are Accelerate AMP, Defense System Installation, and Crown Skin and Coutour Box Beam Fitting Replacement

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW036	DEFENSE SYSTEM INSTALLA			5.6						5.6
TOTAL FOR CLASS P			0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	5.6
TOTAL FOR WEAPON SYSTEM C-5			0.0	0.0	5.6	0.0	0.0	0.0	0.0	0.0	5.6

Totals may not add due to rounding.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: DEFENSE SYSTEM INSTALLATION MN-GW036

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-5 Class P

Models of Aircraft Affected: C-5A

Center: WRALC Robins AFB GA

PE 0401119F Team MOBIL

Description/Justification

N/A

This is a new start effort.

FY2007 GWOT Justification:

Purpose of this modification is to procure and install the latest aircraft defensive systems (ADSs) technology on 18 C-5A aircraft in order to reduce loss/damage of aircraft and loss of life from man-portable air defense systems (MANPADS), to fully use the C-5A in known threat environments, and to reduce stress on active duty mobility assets. The ADS consists of the AN/AAR-47 A(V)2 missile warning system (MWS) and an AN/ALE-47 countermeasures dispensing system (CMD5) to detect and counter infrared MANPADS. The system is currently installed on 1 C-5A and 49 C-5B aircraft.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

None

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							5.600					
TOTAL COST (BP-1100)							5.600					
(Totals may not add due to rounding)							5.600					

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
FY07 GWOT								5.600
TOTAL COST (BP-1100)								5.600
(Totals may not add due to rounding)								5.600

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-17			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$92.000	\$0.000	\$0.000	\$0.000	\$0.000

FY2007 GWOT Supplemental: For this exercise the only modification submitted will be the Large Aircraft Infrared Counter Measures (LAIRCM)

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
	GW043	LAIRCM			92.0						92.0
TOTAL FOR CLASS			0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	92.0
TOTAL FOR WEAPON SYSTEM C-17			0.0	0.0	92.0	0.0	0.0	0.0	0.0	0.0	92.0

Totals may not add due to rounding.

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02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: LAIRCM MN-GW043

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-17 Class

Models of Aircraft Affected:

Center:

PE

Team

Description/Justification

FY 07 GWOT Supplemental Funding for five AMC C-17 aircraft and eight AFRC aircraft

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[13]	13.602				
KITS NONRECUR EQUIPMENT							[13]	25.428				
EQUIP NONREC CHANGE ORDERS DATA SIM/TRAINER												
SUPPORT-EQUIP								13.386				
DEPOT								18.884				
INITIAL SPARES								20.700				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								92.000				

(Continued)

	FY-10		FY-11		TO COMP		TOTAL		
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	
RDT&E (3600)									
PROCUREMENT (3010)									
INSTALL KITS							[13]	13.602	
KITS NONRECUR									
EQUIPMENT							[13]	25.428	
EQUIP NONREC									
CHANGE ORDERS									
DATA									
SIM/TRAINER									
SUPPORT-EQUIP								13.386	
DEPOT								18.884	
INITIAL SPARES								20.700	
TOTAL COST (BP-1100)	<hr/>								92.000
(Totals may not add due to rounding)								92.000	

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-37			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$112.400	\$0.000	\$0.000	\$0.000	\$0.000

FY2007 GWOT Supplemental: The C-37 modifications for GWOT are Large Aircraft Infrared Counter Measures (LAIRCM), Secure Telephone Equip (STE-R), and Voice Over IP (VOIP)

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW043	LAIRCM			112.4						112.4
TOTAL FOR CLASS P			0.0	0.0	112.4	0.0	0.0	0.0	0.0	0.0	112.4
TOTAL FOR WEAPON SYSTEM C-37			0.0	0.0	112.4	0.0	0.0	0.0	0.0	0.0	112.4

Totals may not add due to rounding.

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02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: LAIRCM MN-GW043

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-37 Class P

Models of Aircraft Affected: C-37

Center: ASC - Wright Patterson AFB, OH

PE 0401134F

Team MOBIL

Description/Justification

Install an Infrared Countermeasures System (IRCM) on C-37 aircraft.

FY07 GWOT JUSTIFICATION:

VIPSAM flight support will continue to be vulnerable to MANPAD threat. Since the 1960s, more than 500,000 MANPADS have been produced, becoming widely proliferated, increasingly lethal and more advanced. IR MANPADS missiles are currently in the hands of many subnationals and terrorist organizations with stated hostile intent against the United States and its interests. Additionally, these hostile organizations are located in areas in which C-37 aircraft operate. AMC's ability to support mobility operations without severe operational risk will be severely constrained, because available hardware will be less effective against the rapidly emerging IR threats. Current workaround involves transferring DV passengers from the C-37 to other aircraft with defensive systems installed.

Aircraft Breakdown: Active 10, Reserve , ANG , Total 10

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[10]	20.000				
KITS NONRECUR							[10]	50.000				
EQUIPMENT							[10]	40.000				
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP							[10]	2.400				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								112.400				
(Totals may not add due to rounding)												
INSTALLATION QTY								1				

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[10]	20.000
KITS NONRECUR							[10]	50.000
EQUIPMENT							[10]	40.000
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP							[10]	2.400
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								112.400
(Totals may not add due to rounding)								
INSTALLATION QTY							10	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 13 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>
Contract Date (Month/CY)				07/07	12/08
Delivery Date (Month/CY)				03/08	01/10

Installation Schedule

Quarter	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input													1															
Output																	1	1	1	1	1	1	1	1	1	1	1	1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-40			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$90.500	\$0.000	\$0.000	\$0.000	\$0.000

FY2007 GWOT Supplemental: The C-40 modifications for GWOT are Large Aircraft Infrared Counter Measures (LAIRCM), Secure Telephone Equip (STE-R), and Voice Over IP (VOIP)

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW043	LAIRCM			90.5						90.5
TOTAL FOR CLASS P			0.0	0.0	90.5	0.0	0.0	0.0	0.0	0.0	90.5
TOTAL FOR WEAPON SYSTEM C-40			0.0	0.0	90.5	0.0	0.0	0.0	0.0	0.0	90.5

Totals may not add due to rounding.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: LAIRCM MN-GW043

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-40 Class P

Models of Aircraft Affected: C-40B/C

Center: ASC - Wright Patterson AFB, OH

PE 0401134F Team MOBIL

Description/Justification

Install infrared countermeasures (IRCM) systems on C-40 aircraft to protect against shoulder launched infrared missiles.

FY 2007 GWOT JUSTIFICATION

Air Force C-40 aircraft routinely support the Nation's senior leaders worldwide, including operations into hostile areas. Aircraft are therefore vulnerable to many threats including man portable, shoulder fired, infrared (IR) missiles. More than 500,000 shoulder fired IR missiles have been produced and have become more technologically advanced, more lethal, and widely proliferated to those with hostile intent toward the United States. Installing IRCM systems will increase C-40 survivability and protect the Nation's leaders.

Aircraft Breakdown: Active 1, Reserve 3, ANG 3, Total 7

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[7]	23.800				
KITS NONRECUR								21.000				
EQUIPMENT								23.500				
EQUIP NONREC												
CHANGE ORDERS								5.600				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								16.600				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								90.500				
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[7]	23.800
KITS NONRECUR								21.000
EQUIPMENT								23.500
EQUIP NONREC								
CHANGE ORDERS								5.600
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								16.600
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								90.500
(Totals may not add due to rounding)								
INSTALLATION QTY							7	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				09/07
Delivery Date (Month/CY)				09/08

Installation Schedule

Quarter	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																												
Output																	1	1	1	1	1	1	1	1	1	1	1	1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-130			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$8.500	\$222.663	\$0.000	\$0.000	\$0.000	\$0.000

There are six different modifications that are supported by the C-130 FY2007 GWOT Supplemental: Large Aircraft Infrared Counter Measures (LAIRCM), Center Wing Replacement, Senior Scout, MC-130 Combined CARA/ETCAS, Dual Rail System and MC/HC-130 Crashworthy Loadmaster Seat.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW043	LAIRCM			190.0						190.0
	GW045	C-130 SENIOR SCOUT (GWOT			32.6						32.6
TOTAL FOR CLASS P			0.0	0.0	222.7	0.0	0.0	0.0	0.0	0.0	222.7
TOTAL FOR WEAPON SYSTEM C-130			0.0	0.0	222.7	0.0	0.0	0.0	0.0	0.0	222.7

Totals may not add due to rounding.

	P-1 SHOPP LIST ITEM NO. 53	PAGE NO. 1	
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02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: LAIRCM MN-GW043

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-130 Class P

Models of Aircraft Affected: C/HC/MC-130

Center: WRALC Robins AFB GA

PE 0401134F Team MOBIL

Description/Justification

This GWOT supplemental request will fund LAIRCM installations on 33 C/HC/MC-130s belonging the AMC, ANG and AFRC. Phase I equipment will be used on these aircraft

Aircraft Breakdown: Active 18, Reserve 12, ANG 3, Total 33

Development Status

LAIRM Phase I is in full-rate production, the contract was awarded on 28 Sep 01

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							33	13.053				
KITS NONRECUR												
EQUIPMENT							[33]	125.171				
EQUIP NONREC												
CHANGE ORDERS								2.964				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								1.850				
SPARES								14.655				
INSTALLATION OF HARDWARE												
FY-07 33 KITS							[10]	32.340	[20]		[3]	
TOTAL INSTALL							10	32.340	20		3	
TOTAL COST (BP-1100)							33	190.033				
(Totals may not add due to rounding)												
INSTALLATION QTY							10		20		3	

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							33	13.053
KITS NONRECUR								
EQUIPMENT							[33]	125.171
EQUIP NONREC								
CHANGE ORDERS								2.964
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								1.850
SPARES								14.655
INSTALLATION OF HARDWARE								
FY-07 33 KITS							[33]	32.340
TOTAL INSTALL							33	32.340
TOTAL COST (BP-1100)							33	190.033
(Totals may not add due to rounding)								
INSTALLATION QTY							33	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 0 Months

Follow-On Lead Time: 6 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>
Contract Date (Month/CY)				10/06
Delivery Date (Month/CY)				10/06

Installation Schedule

Quarter	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input													5	5	5	5	5	5	5	5	5	5	5	3
Output													5	5	5	5	5	5	5	5	5	5	5	3

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: C-130 SENIOR SCOUT (GWOT) MN-GW045

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-130 Class P

Models of Aircraft Affected: Multiple

Center: ASC - Wright Patterson AFB, OH

PE 0503115F Team INFO

Description/Justification

FY07 GWOT JUSTIFICATION:

C-130 SENIOR SCOUT Processing Exploitation, and Dissemination Enhancements. Answers CENTCOM Urgent Need Request (DTG 052020Z Jan 06) for precise target geolocation. Funds the improvement of inherent SENIOR SCOUT capabilities through modernization of the special signals collection, radio frequency distribution, direction finding, and communications subsystems. Increases the number and volume of simultaneous signals to be interpreted to improve critical intelligence and direct support to troops in contact. Expands inherent abilities to collect against Signals of Interest (SOIs). Also permits wideband connectivity for simultaneous and immediate transmission of gathered data and analysis to national authorities and tactical commanders. Repeated modification/demodification of C-130 main landing gear doors due to high GWOT operations tempo since 9/11 has degraded SENIOR SCOUT antenna performance and has caused significant electrical issues resulting in DF performance degradation. This action will resolve DF array sensitivity shortcomings.

This increase in SENIOR SCOUT capability will allow for greater ability to disseminate critical information in a real time manner. This will in turn reduce the time required for command decision to quickly complete the kill chain. The replacement of the DF array on the MLG doors ensures successful GWOT mission execution and to ensure it best serves COCOM forces in providing enemy identification, target location, and friendly forces overwatch. These funds provide for the non-recurring engineering, fabrication and installation of three (3) shelter update kits, communications, sensors and processing upgrades supporting SOCOM and CENTCOM critical collection requirements.

IMPACT IF NOT FUNDED: Failure to provide funds leaves COCOMs vulnerable to surprise and unable to preempt the evolving GWOT target set and may jeopardize US/Allied lives. SENIOR SCOUT is currently constrained in its ability to collect, process, and disseminate intelligence on a multitude of SOIs due to an ever evolving GWOT target set. Further, without a wideband communications capability, SENIOR SCOUT's ability to immediately transmit its findings simultaneously to national authorities and tactical commanders would be severely curtailed, even if it receives an increased ability to collect and process additional SOIs through sensor or signal processing enhancements.

SENIOR SCOUT is an Intelligence, Surveillance and Reconnaissance (ISR) suite of equipment configured in a shelter capable of installation in non-dedicated C-130E/H aircraft. The system provides capabilities to exploit, geolocate and report COMINT and ELINT Signals of Interest (SOI) to air and ground component commanders. It is a flexible, low profile capability adaptable to Strategic, Tactical, Counter Drug and Military Operations Other Than War.

Aircraft Breakdown: Active 0, Reserve 0, ANG 0, Total 0

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[3]	32.625				
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							32.625					
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[3]	32.625
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								32.625
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: CCALL			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.600	\$23.700	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modification for the Compass Call program. Specific FY07 GWOT efforts include Compass Call IED, Compass Call Self Protection, T-56 Engine QEC Common Configuration and EC-130 Force Structure Fix.

CLASS	MOD NR	MODIFICATION TITLE	FY-05	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	COST TO GO	TOTAL PROG
P	GW029	COMPASS CALL IED			15.7						15.7
	GW030	COMPASS CALL SELF PROTE			8.0						8.0
TOTAL FOR CLASS P			0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0	23.7
TOTAL FOR WEAPON SYSTEM CCALL			0.0	0.0	23.7	0.0	0.0	0.0	0.0	0.0	23.7

Totals may not add due to rounding.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: COMPASS CALL IED MN-GW029

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: CCALL Class P

Models of Aircraft Affected: EC-130H/TC-130H

Center: ASC

PE 27253F

Team

Description/Justification

The EC-130H Compass Call aircraft is the USAF's wide-area coverage Airborne Electronic Attack (AEA) and Offensive Counter Information (OCI) weapon system. The mission equipment must continue to evolve to keep pace with the adversary developments and the ever-increasing involvement in the IED Defeat mission supporting global war on terrorism.

FY07 GWOT JUSTIFICATION

\$15.7M - COMPASS CALL IED Defeat Subsystem Upgrades. COMPASS CALL has an immediate need to develop IED Defeat upgrades to counter new targets (details classified) and to integrate the IED Defeat equipment into the aircraft. Funding requested integrates updated IED Defeat equipment to enable optimal use of existing COMPASS CALL subsystems; leverages onboard processors and systems to maximize effectiveness against current and new IED threats. Answers CENTCOM's JOINT URGENT OPERATIONAL NEED for IED Defeat.

Aircraft Breakdown: Active 15, Reserve 0, ANG 0, Total 15

Development Status

The EC-130H weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined every 24 months. The Baseline 1 configuration of the COMPASS CALL is currently in development.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT								15.700				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								15.700				

(Continued)

	FY-10		FY-11		TO COMP		TOTAL		
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	
RDT&E (3600)									
PROCUREMENT (3010)									
INSTALL KITS									
KITS NONRECUR									
EQUIPMENT									
EQUIP NONREC									
CHANGE ORDERS									
DATA									
SIM/TRAINER									
SUPPORT-EQUIP									
FY07 GWOT								15.700	
TOTAL COST (BP-1100)									15.700
(Totals may not add due to rounding)									15.700

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: COMPASS CALL SELF PROTECTION MN-GW030

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: CCALL Class P

Models of Aircraft Affected: EC-130H/TC-130H

Center: ASC

PE 27253F

Team

Description/Justification

The EC-130H COMPASS CALL aircraft is the USAF's wide-area coverage Airborne Electronic Attack (AEA) and Offensive Counter Information (OCI) weapon system. The mission equipment must continue to evolve to keep pace with the adversary developments and their ever-increasing involvement in the IED Defeat mission supporting the global war on terrorism.

FY07 GWOT JUSTIFICATION

\$8.0M - COMPASS CALL Self-Protection System Spares. Procures Infrared (IR) Self-Protection System (SPS) initial spares for the COMPASS CALL aircraft. Initial SPS funding did not include provisioning for spares. The COMPASS CALL SPS was installed in response to a Combat Mission Need for IR Self-Protection. System consists of the AAR-54 Missile Warning System (MWS) and the ALE-47 Countermeasures Dispensing System (CMDS). Deployed units of the 55th Electronic Combat Group are experiencing prolonged deployment durations due to their increased use of assets in the IED Defeat with lack of MWS operational availability due to lack of spare assets.

Aircraft Breakdown: Active 15, Reserve 0, ANG 0, Total 15

Development Status

The EC-130H weapon system is continuously improved using a rapid development and acquisition process supporting a baseline upgrade strategy. User needs and technology opportunities are continuously reviewed and a new mission equipment baseline is defined every 24 months. The Baseline 1 configuration of the COMPASS CALL is currently in development.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT								8.000				
TOTAL COST (BP-1100)								8.000				
(Totals may not add due to rounding)												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL		
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	
RDT&E (3600)									
PROCUREMENT (3010)									
INSTALL KITS									
KITS NONRECUR									
EQUIPMENT									
EQUIP NONREC									
CHANGE ORDERS									
DATA									
SIM/TRAINER									
SUPPORT-EQUIP									
FY07 GWOT								8.000	
TOTAL COST (BP-1100)									8.000
(Totals may not add due to rounding)									8.000

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: DARP			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$15.300	\$15.000	\$0.000	\$0.000	\$0.000	\$0.000

This FY07 GWOT submission consists of Receivers for Exploitation of Mobile, Wide-band Real-time SIGINIT, RIVET JOINT Glass Cockpit and WC-135 Engines. The specific modifications budgeted and programmed are listed below.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW011	RECEIVERS FOR EXPLOITATI			10.0						10.0
	GW012	WIDE-BAND REAL-TIME SIGIN			5.0						5.0
TOTAL FOR CLASS P			0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0
TOTAL FOR WEAPON SYSTEM DARP			0.0	0.0	15.0	0.0	0.0	0.0	0.0	0.0	15.0

Totals may not add due to rounding.

	P-1 SHOPP LIST ITEM NO. 58	PAGE NO. 1	
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02/28/2007
 FY 2007 GWOT Supplemental
 Modification Title and No: RECEIVERS FOR EXPLOITATION OF MOBILE MN-GW011

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: DARP Class P

Models of Aircraft Affected: RC-135V/W

Center: ASC - Wright Patterson AFB, OH

PE 0305207F

Team INFO

Description/Justification

\$10M request procures and installs, aboard RC-135 RIVET JOINT aircraft, twenty specific COTS Quick Reaction Capability electronic receiver units for exploitation of mobile tactical communications targets identified as crucial to supporting on-going operations in GWOT (OIF) operations. SEE CLASSIFIED Congressional Budget exhibits.

Aircraft Breakdown: Active 17, Reserve , ANG , Total 17

Development Status

This procures and integrates non-developmental, commercial and other U.S. Governmental off-the-shelf (COTS) enhancements.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[1]	10.000				
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								10.000				
(Totals may not add due to rounding)												
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[1]	10.000
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								10.000
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: WIDE-BAND REAL-TIME SIGINIT MN-GW012

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: DARP Class P

Models of Aircraft Affected: RC-135V/W

Center: ASC - Wright Patterson AFB, OH

PE 0305207F

Team INFO

Description/Justification

\$5M request procures 23 assets necessary to support the communications capability for RC-135 RIVET JOINT crews to operate in a wide-band, inflight 'reachback' capability to home station, National agencies and the Multi-National Forces - Iraq (MNF-I) in order to prosecute high value GWOT targets with real-time signals intelligence (SIGINT) when flying during contingency operations.

Aircraft Breakdown: Active 17, Reserve , ANG , Total 17

Development Status

This procures and integrates non-developmental, commercial and other U.S. Government off-the-shelf (COTS) enhancements.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[1]	5.000				
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								5.000				
(Totals may not add due to rounding)												
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							[1]	5.000
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								5.000
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>			
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																
Output																																

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: E-8C			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$17.500	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the E-8 aircraft. The E-8 is a modified Boeing 707-300 airframe called Joint Surveillance and Target Attack Radar System (JSTARS). The JSTARS was developed for ground surveillance, targeting and battle management. The primary modification budgeted in FY07 is the JSTARS Re-engining Program. Other modifications budgeted and programmed are listed below.

FY2007 GWOT Supplemental:

FY07 GWOT Supplemental includes Diminishing Manufacturing Sources (DMS) and Beyond Line of Sight (BLOS). Once the development and engineering for DMS and BLOS are complete, JSTARS can execute the FY07 procurement funding in FY08-FY10.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
	GW010	BLOS				3.0	9.7	4.9			17.5
TOTAL FOR CLASS			0.0	0.0	0.0	3.0	9.7	4.9	0.0	0.0	17.5
TOTAL FOR WEAPON SYSTEM E-8C			0.0	0.0	0.0	3.0	9.7	4.9	0.0	0.0	17.5

Totals may not add due to rounding.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: BLOS MN-GW010

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-8C Class

Models of Aircraft Affected:

Center:

PE

Team

Description/Justification

Procures 14 (of 21 needed) units to meet a CENTAF urgent need request for connectivity with the combined air operations center. Limited line-of-sight/band width capability fielded but beyond-line-of-sight, wide band width connectivity required. The chat/email connectivity has enabled crewmembers to conduct limited direct communications with Army and Marine ground units through the chat rooms in the Combined Air Operations Center and to operators in the field. E-8 crews are contributing to IED location detection and backtracking; mortar and rocket backtracking; and immediate retasking with the CAOC. Tactics Techniques and Procedures are being rewritten to reflect ICAN operations with the ground forces, which are contributing to IED saves. Due to current limited band width, the aircrew is limited to ten chat rooms and unable to have the SIPRNet connectivity truly need to perform to CENTCOM's taskings. In response to a CAFROC validated urgent need request (UNR) from USCENTAF, the Interim Capability for Airborne Networking (ICAN) system was installed on the E-8C to enable chat/email communications with the CAOC at Al Udeid. The UNR called for the fleet-wide install of chat, secure email, and SIPRNet Connectivity capability on the fleet to comply with CFACC direction in OIF special instructions. The immediate theater operational mission requirements include: C2 operations & communications architecture, data link operations in support of the ground scheme of maneuver, close air support and air support requests, time sensitive targeting, and surveillance operations to include insurgent tracking, and IED Search Connectivity. The initial solution is limited to line-of-sight connectivity via two ground entry sites (GESs) at two forward deployed locations in Iraq. The line-of-sight limitation restricts the orbit locations for the E-8C to fully support combat operations. The UNR still requires a beyond-line-of-sight capability which would provide flexibility on E-8C orbit locations to fully support CENTCOM combat operations.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

FY07 3600 will start the development of a BLOS capability using an INMARSAT terminal, antenna, associated H/W and S/W to enable full coverage of ground combat operations in OIF/OEF.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)								12.200				
PROCUREMENT (3010)												
INSTALL KITS									[2]	2.966	[8]	9.668
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)											2.966	9.668
INSTALLATION QTY										4		7

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								12.200
PROCUREMENT (3010)								
INSTALL KITS	[4]	4.866					[14]	17.500
KITS NONRECUR								
EQUIPMENT								
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								17.500
(Totals may not add due to rounding)		4.866						
INSTALLATION QTY	3						14	

Method of Implementation: DEPOT

Initial Lead Time: 4 Months

Follow-On Lead Time: 3 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>
Contract Date (Month/CY)					05/08	10/08	10/09	10/10
Delivery Date (Month/CY)					09/08	01/09	01/10	01/11

Installation Schedule

Quarter	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>			<u>FY-09</u>				<u>FY-10</u>							
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4			
Input																								4	2	2	2	1	1	1	1
Output																								1	3	2	2	2	1	1	1

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE February 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: OTHER			
	2005	2006	2007	2008	2009	2010	2011
COST (In Mil)	\$0.000	\$0.000	\$33.570	\$0.000	\$0.000	\$0.000	\$0.000

This FY07 GWOT submission funds multiple modifications, that include replacing TARS and Advanced Targeting Pods.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW015	REPLACE TARS	27.6	19.9	13.6						61.2
	GW016	ADVANCED TARGETING POD			19.9						19.9
TOTAL FOR CLASS P			27.6	19.9	33.6	0.0	0.0	0.0	0.0	0.0	81.1
TOTAL FOR WEAPON SYSTEM OTHER			27.6	19.9	33.6	0.0	0.0	0.0	0.0	0.0	81.1

Totals may not add due to rounding.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: REPLACE TARS MN-GW015

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class P

Models of Aircraft Affected: F-16 Block 25/30/32/40/50

Center: ASC - Wright Patterson AFB, OH

PE 27217F

Team

Description/Justification

The Theater Airborne Reconnaissance System (TARS) is an electro-optical imagery pod currently carried on F-16 Block 25/30/32 aircraft and includes a ground station/Mission Verification Equipment (MVE).

TARS provides a day only, under-the-weather, electro-optical (visible) imagery collection capability in a medium-to-high threat environment. Two of the 20 existing pods were upgraded with a Solid State Recorder (SSR) and Near Real Time (NRT) Data-Link (DL). These were used in developmental tests with an Electro-Optical sensor and Synthetic Aperture Radar (SAR) sensor. Nine of the remaining 18 pods are equipped with a Medium-Altitude Electro-Optical (MAEO) sensor, Forward Framing Sensor (FFS) and a digital tape recorder. The 9 remaining pods are equipped with FFS only and a digital tape recorder.

This Pre-Planned Program Improvement (P3I) effort is funded via the FY05 GWOT Supplemental (\$11.8M), FY05 Air Force Top Down (\$15.8M) and FY06 Air Force Top Down (\$19.95M). The program also received FY06 Title IX GWOT RDT&E funding (\$3.0M--located in PE 305206F) to integrate and test Common Imagery Processor (CIP) in TARS. The TARS P3I program is an effort to upgrade 14 TARS pods with Solid State Recorders (SSR), Near Real Time data-links and produce up to 8 ground stations/MVEs. Current funding will provide a total of 13 data-link capable (DLC) pods with SSRs and 7 ground stations/MVEs to the warfighter. Delivery begins 1QFY07 with 13 operational pods delivered by 1QFY08. The remaining pods will be in reserve storage and used for spare parts.

This program may support potential future sensor upgrades such as Synthetic Aperture Radar (SAR), Infrared (IR), multi-band EO/IR and Hyperspectral Imaging (HSI). Other capability improvements may include geo-spatial upgrades, data-link improvements, network centric enhancements, increases to on-board processing, storage, automatic cueing/targeting/identification capabilities, software and simulation improvements, ground station improvements, and integration of these capabilities on other platforms.

This program will participate in the development, testing and implementation of international standards (to include NATO standardization agreements) to pursue Joint, Allied and Coalition interoperability.

FY07 GWOT JUSTIFICATION

The total FY07 GWOT procurement request is \$13.62M. \$9.3M completes the upgrade of 14th TARS pod with data link & solid state recorder, procures an 8th ground station with data link receive capability, and procures initial data link spares. \$4.32M modifies 14 TARS pods for compatibility with F-16 Block 40/50 aircraft (\$6M RDT&E funding located in PE 305206F to integrate the effort). The Block 40/50 effort would begin upon receipt of funds and begin delivering 4QFY08.

Current TARS pods can only be used on F-16 Block 25/30/32 aircraft which predominately reside in the Air Reserve Component (ARC) and are programmed for reduction. To allow utilization by the Active Duty and additional ARC units, TARS needs to migrate to F-16 Block 40/50 aircraft.

Aircraft Breakdown: Active 0, Reserve 0, ANG 14, Total 14

Development Status

Completed initial test flights in Jul 05. Additional DT/OT testing will begin 1st Quarter of FY07.

Projected Financial Plan

PRIOR	FY-05	FY-06	FY-07	FY-08	FY-09
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Projected Financial Plan Continued

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS			8	4.700	5	5.000	1					
KITS NONRECUR												
EQUIPMENT			[8]	13.977	[5]	14.950	[1]					
EQUIP NONREC				0.500								
CHANGE ORDERS				0.708								
DATA				0.870								
SIM/TRAINER												
SUPPORT-EQUIP				2.000								
SPARES				2.727								
TRAINING				0.218								
INTEGRATION			[13]	1.900								
FY07 GWOT							[14]	13.620				
INSTALLATION OF HARDWARE												
FY-05			8 KITS		[5]		[3]					
FY-06			5 KITS				[5]					
FY-07			1 KITS									
TOTAL INSTALL					5		8		1			
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)			8	27.600	5	19.950	1	13.620				
INSTALLATION QTY					5		8		1			

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS							14	9.700
KITS NONRECUR								
EQUIPMENT							[14]	28.927
EQUIP NONREC								0.500
CHANGE ORDERS								0.708
DATA								0.870
SIM/TRAINER								
SUPPORT-EQUIP								2.000
SPARES								2.727
TRAINING								0.218
INTEGRATION							[13]	1.900
FY07 GWOT							[14]	13.620
INSTALLATION OF HARDWARE								
FY-05	8	KITS					[8]	
FY-06	5	KITS					[5]	
FY-07	1	KITS					[1]	
TOTAL INSTALL								14
TOTAL COST (BP-1100)							14	61.170
(Totals may not add due to rounding)								
INSTALLATION QTY							14	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 4 Months

Follow-On Lead Time: 3 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>
Contract Date (Month/CY)			04/06
Delivery Date (Month/CY)			08/06

Installation Schedule

Quarter	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input													5	0	7	1	0	1		
Output													0	6	3	2	2	2	1	

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

02/28/2007
FY 2007 GWOT Supplemental
Modification Title and No: ADVANCED TARGETING PODS MN-GW016

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: OTHER Class P

Models of Aircraft Affected: F-16, F-15, F-15E, A-10, B-52, B-1

Center: ASC - Wright Patterson AFB, OH

PE 0207249F

Team POWER

Description/Justification

Technological advances and new Combat Air Forces requirements drive Advanced Targeting Pods (ATP) product improvements. Target pod improvements or upgrades are typically accomplished as retrofits to delivered pods. The video/image downlink modification provides a real-time data transfer connectivity with Battlefield ground forces that allow for improved combat effectiveness resulting in quicker kills with reduced collateral damage and fratricide. This modification funding supports the purchase and installation of 133 video/image downlink kits.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

None; No RDT&E required.

Projected Financial Plan

	PRIOR		FY-05		FY-06		FY-07		FY-08		FY-09	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT							[133]	19.950				
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								19.950				
(Totals may not add due to rounding)												
INSTALLATION QTY												

(Continued)

	FY-10		FY-11		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>	<u>QTY</u>	<u>COST</u>
RDT&E (3600)								
PROCUREMENT (3010)								
INSTALL KITS								
KITS NONRECUR								
EQUIPMENT							[133]	19.950
EQUIP NONREC								
CHANGE ORDERS								
DATA								
SIM/TRAINER								
SUPPORT-EQUIP								
INSTALLATION OF HARDWARE								
TOTAL INSTALL								
TOTAL COST (BP-1100)								19.950
(Totals may not add due to rounding)								
INSTALLATION QTY								

Method of Implementation: COMBINATION

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-04</u>	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>	<u>FY-09</u>	<u>FY-10</u>	<u>FY-11</u>	<u>FY-12</u>	<u>FY-13</u>	<u>FY-14</u>	<u>FY-15</u>	<u>FY-16</u>	<u>FY-17</u>	<u>FY-18</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<u>FY-04</u>				<u>FY-05</u>				<u>FY-06</u>				<u>FY-07</u>				<u>FY-08</u>				<u>FY-09</u>				<u>FY-10</u>				<u>FY-11</u>							
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																				
Output																																				
Quarter	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Input																																				
Output																																				

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DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

FISCAL YEAR (FY) 2007

GLOBAL WAR ON TERROR SUPPLEMENTAL

PROCUREMENT OF AMMUNITION

FEBRUARY 2007

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
PROCUREMENT OF AMMUNITION ESTIMATES
FOR FISCAL YEAR 2007

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PROCUREMENT OF AMMUNITION, AF

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9	Explosives Ordnance Disposal (EOD).....	6
16	Small Arms.....	8

IDENTIFICATION CODES

Code “A” - Line items of material which have been approved for Air Force service use.

Code “B” - Line items of material that have not been approved for Service use

GLOSSARY

Contract Method

ALLOT - Allotment

C - Competitive

DO - Delivery Order

FCA - Fund Cite Authorization

MIPR - Military Interdepartmental Purchase Request

OA - Obligation Authority

OPT - Option

OTH - Other

PO - Project Order

REQN - Requisition

SS - Sole Source

WP - Work Project

MIPR-OPT - Military Interdepartmental Purchase Request - Option

MIPR-C - Military Interdepartmental Purchase Request - Competitive

MIPR-SS - Military Interdepartmental Purchase Request - Sole Source

MIPR-OTH - Military Interdepartmental Purchase Request - Other

Contract Type

FP - Fixed Price
FFP - Firm Fixed Price
FPIS - Fixed Price Incentive with Successive Targets
FPAF - Fixed Price Award Fee
FPE - Fixed Price with Escalation
FPIF - Fixed Price Incentive Fee
CPAF - Cost Plus Award Fee
CPFF - Cost Plus Fixed Fee
CPIF - Cost Plus Incentive Fee
ID/IQ - Indefinite Delivery/Indefinite Quantity
M-5 (Yr 1) - Multiyear, 5 years (Yr 1)
M-5 (Yr 2) - Multiyear, 5 years (Yr 2)
M-5 (Yr 3) - Multiyear, 5 years (Yr 3)
M-5 (Yr 4) - Multiyear, 5 years (Yr 4)
M-5 (Yr 5) - Multiyear 5 years (Yr 5)
OTH - Other

Contracted By

11 WING - 11th Support Wing, Washington, DC
ACC - Air Combat Command, Langley AFB, VA
AEDC - Arnold Engineering Development Center, Arnold AFB, TN
AAC – Air Armament Center, Eglin AFB, FL
AEDC – Arnold Engineering Development Center, Arnold AFB, TN
AETC - Air Education and Training Command, Randolph AFB, TX
AFCIC - Air Force Communications and Information Center, Washington, DC
AFCESA - Air Force Civil Engineering Support Agency, Tyndall AFB, FL

AFFTC - Air Force Flight Test Center, Edwards AFB, CA
AFMC - Air Force Materiel Command, Wright-Patterson AFB, OH
AFMETCAL - Air Force Metrology and Calibration Office, Heath, Ohio
AFMLO - Air Force Medical Logistics Office, Ft Detrick, MD
AIA - Air Intelligence Agency, Kelly AFB, TX
AMC - Air Mobility Command, Scott AFB, IL
ASC - Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL
AFWA - Air Force Weather Agency, Offutt AFB, NE
DGSC - Defense General Support Center, Richmond, VA
DPSC - Defense Personnel Support Center, Philadelphia, PA
ER - Eastern Range, Patrick AFB, FL
ESC - Electronic Systems Center, Hanscom AFB, MA
HSC - Human Services Center, Brook AFB, TX
OC-ALC - Oklahoma City Air Logistics Center, Tinker AFB, OK
OO-ALC - Ogden Air Logistics Center, Hill AFB, UT
SMC - Space & Missile Systems Center, Los Angeles AFB, CA
US STRATCOM - US Strategic Command, Offutt AFB, NE
WACC - Washington Area Contracting Center, Washington DC
WR - Western Range, Vandenberg AFB, CA
WR-ALC - Warner-Robins Air Logistics Center, Robins AFB, GA
AFSPC - Air Force Space Command, Peterson AFB, CO
HQ ANG - Headquarters, Air National Guard, Washington, DC
USAFE - United States Air Force Europe, Ramstein AB, GE
USAFAC - United States Air Force Academy, Colorado Springs, CO
SSG - Standard Systems Group, Maxwell AFB-Gunter Annex, AL

Bases/Organizations

11 WING - 11th Support Wing
ACC - Air Combat Command

AETC - Air Education & Training Command
AFCAO - Air Force Computer Acquisition Office
AFCESA - Air Force Civil Engineering Support Agency
AFCIC - AF Communications & Information Center
AFCSC - Air Force Cryptologic Service Center
AFESC - Air Force Engineering Services Center
AFGWC - Air Force Global Weather Central
AFIT - Air Force Institute of Technology
AFMC - Air Force Materiel Command
AFMETCAL - Air Force Metrology and Calibration Office
AFMLO - Air Force Medical Logistics Office
AFNEWS - Air Force Information & News Service Center
AFOSI - Air Force Office of Special Investigation
AFOTEC - Air Force Operational Test & Evaluation Center
AFPC - Air Force Personnel Center
AFPSL - AF Primary Standards Lab
AFR - Air Force Reserve
AFSOC - AF Special Operations Command
AFSPC - Air Force Space Command
AIA - Air Intelligence Agency
AMC - Air Mobility Command
ANG - Air National Guard
AU - Air University
AWS - Air Weather Service
CIA - Central Intelligence Agency
DGSC - Defense General Support Center
DLA - Defense Logistics Center
DOE - Department of Energy
DSCC - Defense Supply Center, Columbus
DPSC - Defense Personnel Support Center

ER - Eastern Range
ESC - Electronic Systems Center
FAA - Federal Aviation Agency
FBI - Federal Bureau of Investigation
GSA - General Services Administration
JCS - Joint Chiefs of Staff
JCS - Johnson Space Center
NATO - North Atlantic Treaty Organization
NBS - National Bureau of Standards
PACAF - Pacific Air Forces
USAF - United States Air Force
USAFA - United States Air Force Academy
USAFE - United States Air Force Europe
USCENTCOM - United States Central Command
USEUCOM - United States European Command
USMC - United States Marine Corps
USSTRATCOM - United States Strategic Command
WPAFB - Wright-Patterson AFB, OH
WR - Western Range

FY 2007 Global War on Terror Supplemental - Procurement P-1 Exhibit					
Appn	BA	P-1 Line	Line Item Name	Quantity	Cost (\$000)
PAAF	1	2	Cartridges		19,100
PAAF	1	9	Explosive Ordnance Disposal (EOD)		3,000
PAAF	2	16	Small Arms		73,700
Total PAAF					95,800

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$1,189	\$19,100																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td style="text-align: center;">\$1,189</td> <td style="text-align: center;">--</td> <td style="text-align: center;">\$19,100</td> <td style="text-align: center;">\$19,100</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY07 GWOT Supplemental provides \$19.100M to fund the initial ammunition for Air Force handgun replacement program which will provide our warfighters increased capabilities in theater over the existing M9 9mm pistol. 2. In FY06, Cartridges received \$1.189M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	\$1,189	--	\$19,100	\$19,100
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
\$1,189	--	\$19,100	\$19,100																	
	P-1 ITEM NO 2		PAGE NO: 1		Page 1 of 1															

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (OVERVIEW)
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARTRIDGES (OVERVIEW)									
NEW AF PISTOL AMMUNITION	A			48,974,358	\$19,100				
20MM TP PGU-27 (AA24)	A	87,690	\$489						
ITEMS LESS THAN 5 MILLION DOLLARS	A		\$700						
TOTALS:			\$1,189		\$19,100				

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (NEW AF PISTOL AMMO)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$19,100																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 15%;">FY 2006</td> <td style="width: 15%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 45%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: center;">\$19,100</td> <td style="text-align: center;">\$19,100</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>1. FY07 GWOT Supplemental provides \$19.1M for initial ammunition for the Air Force (AF) Handgun replacement program which will provide our warfighters increased capabilities in theater over the existing M9 9mm pistol.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$19,100	\$19,100
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$19,100	\$19,100																	
	P-1 ITEM NO 2		PAGE NO: 3		Page 1 of 1															

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
---	----------------------------

APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (NEW AF PISTOL AMMO)
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
NEW AF PISTOL AMMO	B			48,974,358	\$19,100				
TOTALS:				48,974,358	\$19,100				

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (NEW AF PISTOL AMMO)						
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	
NEW AF PISTOL AMMO										
FY2007	48,974,358	\$0.39	AFMC/OO-ALC	MIPR/FFP	ARMY/UNKNOWN	Aug-07	Aug-08	No	Jul-07	
Remarks: Cost information is in actual dollars.										
		P-1 ITEM NO 2			PAGE NO: 5			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: EXPLOSIVES ORDNANCE DISPOSAL (EOD)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$6,521	\$3,000																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td style="text-align: right;">\$6,521</td> <td style="text-align: center;">--</td> <td style="text-align: right;">\$3,000</td> <td style="text-align: right;">\$3,000</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY07 GWOT Supplemental provides \$3.0M to procure Ground Demolition Munitions necessary to enable war fighters to conduct the Counter Improvised Explosive Device missions, which has become the #1 threat to US and Coalition forces. 2. In FY06, Explosive Ordnance Disposal received \$6.521M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	\$6,521	--	\$3,000	\$3,000
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
\$6,521	--	\$3,000	\$3,000																	
	P-1 ITEM NO 9		PAGE NO: 6		Page 1 of 1															

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

DATE: FEBRUARY 2007

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

EXPLOSIVES ORDNANCE DISPOSAL (EOD)

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SHOCK TUBE W/BLASTING CAP 500 (MN88)	A			5,000	\$328				
M-13 1000 FT SHOCK TUBE W/CAP	A			5,000	\$378				
M 183 KITS	A			200	\$90				
M 81 IGNITER	A			8,000	\$51				
DEMO, EXPLOSIVE CUTTING TAPE	A			2,700	\$319				
DEMINING FLARE (LA37)	A			765	\$10				
RTR 4 N/L	A			35	\$534				
MK32 MOD 4 X-RAY PROCESSOR	A			17	\$184				
MINI-MINE DETECTOR	A			31	\$95				
HOOK & LINE KIT	A			65	\$235				
MK 26 MOD 1 ORDINANCE LOCATER	A			25	\$775				
REMOTE FIRING DEVICE	A	191	\$6,521						
TOTALS:			\$6,521		\$3,000				

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO

9

PAGE NO:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: SMALL ARMS								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)		\$73,700										
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT --</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 Supplemental \$73,700</td> <td style="width: 25%;">FY 2007 Total \$73,700</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>1. FY07 GWOT Supplemental provides \$70.7M for the Air Force (AF) handgun replacement program which will provide our warfighters increased capabilities in theater over the existing M9 9mm pistol. Additionally, the supplemental provides \$3.0M for the M2 50 cal machine gun program, which upgrades outdated systems (1960s vintage), and provides for replacements due to condemnations. The M2s are the AF's primary crew-served weapon in theater.</p>									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 Supplemental \$73,700	FY 2007 Total \$73,700
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 Supplemental \$73,700	FY 2007 Total \$73,700									
	P-1 ITEM NO 16		PAGE NO: 8		Page 1 of 1							

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

DATE: FEBRUARY 2007

APPROP CODE/BA:

PAAF/MUNITIONS & RELATED EQUIPMENT

P-1 NOMENCLATURE:

SMALL ARMS

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M-2 .50 CALIBER WEAPON	A			50	\$1,000				
M-2 .50 CALIBER IMPROVEMENT KIT	A			250	\$2,000				
AF PISTOL	A			100,600	\$70,700				
TOTALS:				100,900	\$73,700				

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
16

PAGE NO:
9

Page 1 of 1

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UNITED STATES AIR FORCE
Committee Staff Procurement Backup Book
FY 2007 Global War on Terrorism Supplemental



February 2007

MISSILE PROCUREMENT, AIR FORCE

OPR: SAF/FMB

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SECTION 2 ~ BUDGET APPENDIX EXTRACT LANGUAGE (NOT INCLUDED)

SECTION 3 ~ P-1 LINE ITEM DETAIL

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MISSILE REPLACEMENT EQUIPMENT – BALLISTIC (NO PROGRAMS SUBMITTED)

BUDGET ACTIVITY 02: OTHER MISSILES

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P-1 Line Item No. 7 – Small Diameter Bomb (SDB) 2 - 9

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BUDGET ACTIVITY 03: MODIFICATION OF IN-SERVICE MISSILES

MISSILE MODIFICATIONS

(NO PROGRAMS SUBMITTED)

BUDGET ACTIVITY 04: SPARES AND REPAIR PARTS

MISSILE SPARES AND REPAIR PARTS

(NO PROGRAMS SUBMITTED)

BUDGET ACTIVITY 05: OTHER SUPPORT

(NOT INCLUDED)

UNCLASSIFIED

Exhibit P-40, Budget Item Justification	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 02, Other Missiles, Item No. 06	P-1 Line Item Nomenclature Hellfire Missile
---	---

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)		0.000	17.000	32.650	104.300	0.000	0.000	0.000	0.000		153.950

Description

Hellfire is an air-to-ground missile system that provides precision-kill capability and has become a key weapon in the global war on Terrorism. Laser Hellfire uses semi-active laser terminal guidance. The latest variant provides for point target precision strike and is effective against countermeasures. The capability to carry Hellfire missiles is being added to all MQ-1 Predator aircraft. Hellfire missiles will be procured off-the-shelf from the Army's Redstone Arsenal.

FY07 Title IX (\$32.650M)

Transferred by Congress from FY 2007 President's Budget Request. Missile procurement funding for additional quantities of AGM-114(P) Hellfire Missiles. Quantities are based on current estimated price for purchase through the Army. The additional Hellfire missiles are needed due to an increased use by various MQ-1 (Predator) and MQ-9 (Reaper) Squadrons in operations involved in the on-going Global War on Terror (GWOT). Two additional Predator Squadrons have stood up this year, and an additional 3 Squadrons are scheduled for activation in 2007. The additional Hellfire missiles are needed at each Squadron and are used for test, training and operations.

FY07 GWOT Supplemental

\$53.7M - AGM-114(P) Hellfire missiles for MQ-1 Predator. Procures missiles to meet increased requirement based on expanding Predator demand in GWOT operations. Missiles will support both combat operations and increased training during Predator fleet expansion.

\$25.2M - AGM-114(P) Hellfire missiles and missile launcher rails for MQ-9 Reaper. Procures missiles to meet increased requirement based on expanding Reaper demand in GWOT operations. Congressionally-added pre-production Reapers are being rapidly deployed; however, Hellfire missiles were not procured to match this early deployment. Missiles will support both combat operations and increased training.

\$25.4M - AGM-114(P) Hellfire missiles to establish war reserve inventory. Both the MQ-1 Predator and MQ-9 Reaper are armed with Hellfire missiles, but the missiles are expanded at a pace that has not allowed the Air Force to establish a war reserve stockpile.

FY 2007 Program Justification

Missile procurement funding for AGM-114 Hellfire missiles. Quantities are based on current estimated price for purchase through the Army. The Hellfire missiles are used for test, training and operations.

UNCLASSIFIED

Exhibit P-5, Weapon System Cost Analysis	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 02, Other Missiles, Item No. 06	P-1 Line Item Nomenclature Hellfire Missile
---	---

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

Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars										
		FY06 GWOT			FY07 Title IX			FY07 GWOT			Cost to Complete	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
AGM-114(P)		180	0.094	17.000	355	0.092	32.650	912	0.111	101.225		
M-299								30	0.103	3.075		
TOTAL PROGRAM				17.000			32.650			104.300		

Comments
Hellfire missiles will be procured off-the-shelf from the Army. Unit cost may vary depending on lead Service and/or FMS procurement quantities.

UNCLASSIFIED

Exhibit P-5A, Procurement History and Planning								Date: February 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Missile Procurement, Air Force, Budget Activity 02, Other Missiles, Item No. 06								Hellfire Missile			
<u>Weapon System</u>						Subline Item					
PRDTA2											
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 2003											
CATM Training Round	17		ARMY		MIPR	FP	TBD	Feb-03	Aug-03	Yes	
AGM-114(K)	80		ARMY		MIPR	FP	TBD	Feb-03	Aug-03	Yes	
AGM-114(M)	40		ARMY		MIPR	FP	TBD	Feb-03	Aug-03	Yes	
FY 2004											
AGM-114(K)	144		ARMY		MIPR	FP	TBD	Feb-04	Aug-04	Yes	
AGM-114(M)	24		ARMY		MIPR	FP	TBD	Feb-04	Aug-04	Yes	
FY 2005											
AGM-114	320		ARMY		MIPR	FP	TBD	Feb-05	Aug-05	Yes	
FY 2006											
AGM-114	401		ARMY		MIPR	FP	TBD	Feb-06	Aug-06	Yes	
FY 2007											
AGM-114	677		ARMY		MIPR	FP	TBD	Feb-07	Aug-07	Yes	
AGM-114(P) GWOT	912		ARMY		MIPR	FP	TBD	Jul-07	Jan-08	Yes	
FY 2008											
AGM-114	662		ARMY		MIPR	FP	TBD	Feb-08	Aug-08	Yes	
FY 2009											
AGM-114	642		ARMY		MIPR	FP	TBD	Feb-09	Aug-09	Yes	
FY 2010											
AQM-114	792		ARMY		MIPR	FP	TBD	Feb-10	Aug-10	Yes	
FY 2011											
AGM-114	355		ARMY		MIPR	FP	TBD	Feb-11	Aug-11	Yes	
<u>Remarks</u>											
Hellfire missiles will be procured off-the-shelf from the Army. Contractor and location will be determined by lead Service contract.											

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Exhibit P-40, Budget Item Justification	Date: February 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 02, Other Missiles, Item No. 07	P-1 Line Item Nomenclature SMALL DIAMETER BOMB
---	--

Program Element for Code B Items:		N/A			Other Related Program Elements:				SMALL DIAMETER BOMB		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY 2008	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)		0.000	0.000	0.000	36.000	0.000	0.000	0.000	0.000		36.000

Description

1. FY07 GWOT Supplemental funds for the Small Diameter Bomb will build War Reserve Material (WMR) weapon inventories at a time when SDB weapon expenditures may prevent stockpiling.

2. Small Diameter Bomb (SDB) is an Air Force ACAT 1D program providing increased kills per sortie on current and future aircraft platforms. SDB addresses the following specific warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather, precision munitions capability; capability against fixed targets; reduced munitions footprint; increased weapons effectiveness; minimized potential for collateral damage; and reduced susceptibility of munitions to countermeasures. Threshold aircraft is the F-15E. Objective aircraft include the B-1, B-2, A-10, Joint Strike Fighter (JSF), F-22A, F-117, F-16, B-52, and Predator B. SDB is currently in the IOT&E phase of a combined competitive System Design Demonstration (SDD) and Low Rate Initial Production (LRIP) with FRP planned for the fourth quarter of 2006.

3. Procurement quantities are estimates only and fall within a range of quantities based on price commitment curves on contract. SDB Increment I total procurement costs include 24,000 weapons, 2,000 common four-place carriages, and associated production spares. The carriage cost is broken out separately on the P-5 exhibit. The carriage quantities are as follows: FY05-27; FY06-128; FY07-300; FY08-335; FY09-377; FY10-454; FY11-379. Procurement quantities also include two types of containers for the system (carriage and weapon) and Common Munitions BIT Reprogramming Equipment (CMBRE) units.

FY 2007 Program Justification

FY07 is the third year of production with the procurement of 1,343 SDB I weapons and 300 Carriages.

FY 2007 GWOT Justification:

Current SDB weapon usage makes it impossible to maintain War Reserve Material inventory objectives. The FY07 GWOT Supplemental funds will procure 1,525 SDB I weapons.

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Exhibit P-5, Weapon System Cost Analysis							Date: February 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 02, Other Missiles, Item No. 07							P-1 Line Item Nomenclature SMALL DIAMETER BOMB					
Manufacturer's Name/Plant City/State Location Boeing, St Louis MO					Subline Item							
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars										
		FY06 GWOT			FY07 Title IX			FY07 GWOT			Cost to Complete	
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost
Hardware Recurring	A											
All Up Round Weapon							1525	0.024	36.000			
All Up Round Carriage	A											
ECO	A											
Contractor Incentive	A											
Nonrecurring / Ancillary Equipment	A											
Tooling and Test Equipment	A											
Bed down Support Equipment	A											
Production and Support Costs	A											
Training/Trainer	A											
Tech Support	A											
Telemetry/Test	A											
Program Office Support Costs	A											
Total Flyaway Cost	A											
Other Support Costs	A											
Data	A											
TOTAL PROGRAM										36.000		
Comments												

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DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

FISCAL YEAR (FY) 2007

GLOBAL WAR ON TERROR SUPPLEMENTAL

OTHER PROCUREMENT

FEBRUARY 2007

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2007

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Program Exhibit P-1.....	vii

Tables of contents are provided for each of the budget activities at the appropriate tabs. The budget activities are as follows:

- Vehicular Equipment
- Electronics & Telecommunications Equipment
- Other Base Maintenance and Support Equipment

IDENTIFICATION CODES

Code “A” - Line items of material which have been approved for Air Force service use.

Code “B” - Line items of material that have not been approved for Service use

GLOSSARY

Contract Method

ALLOT - Allotment

C - Competitive

DO - Delivery Order

FCA - Fund Cite Authorization

MIPR - Military Interdepartmental Purchase Request

OA - Obligation Authority

OPT - Option

OTH - Other

PO - Project Order

REQN - Requisition

SS - Sole Source

WP - Work Project

MIPR-OPT - Military Interdepartmental Purchase Request - Option

MIPR-C - Military Interdepartmental Purchase Request - Competitive

MIPR-SS - Military Interdepartmental Purchase Request - Sole Source

MIPR-OTH - Military Interdepartmental Purchase Request - Other

Contract Type

FP - Fixed Price
FFP - Firm Fixed Price
FPIS - Fixed Price Incentive with Successive Targets
FPAF - Fixed Price Award Fee
FPE - Fixed Price with Escalation
FPIF - Fixed Price Incentive Fee
CPAF - Cost Plus Award Fee
CPFF - Cost Plus Fixed Fee
CPIF - Cost Plus Incentive Fee
ID/IQ - Indefinite Delivery/Indefinite Quantity
M-5 (Yr 1) - Multiyear, 5 years (Yr 1)
M-5 (Yr 2) - Multiyear, 5 years (Yr 2)
M-5 (Yr 3) - Multiyear, 5 years (Yr 3)
M-5 (Yr 4) - Multiyear, 5 years (Yr 4)
M-5 (Yr 5) - Multiyear 5 years (Yr 5)
OTH - Other

Contracted By

11 WING - 11th Support Wing, Washington, DC
ACC - Air Combat Command, Langley AFB, VA
AEDC - Arnold Engineering Development Center, Arnold AFB, TN
AAC – Air Armament Center, Eglin AFB, FL
AEDC – Arnold Engineering Development Center, Arnold AFB, TN
AETC - Air Education and Training Command, Randolph AFB, TX
AFCIC - Air Force Communications and Information Center, Washington, DC
AFCESA - Air Force Civil Engineering Support Agency, Tyndall AFB, FL

AFFTC - Air Force Flight Test Center, Edwards AFB, CA
AFMC - Air Force Materiel Command, Wright-Patterson AFB, OH
AFMETCAL - Air Force Metrology and Calibration Office, Heath, Ohio
AFMLO - Air Force Medical Logistics Office, Ft Detrick, MD
AIA - Air Intelligence Agency, Kelly AFB, TX
AMC - Air Mobility Command, Scott AFB, IL
ASC - Aeronautical Systems Center, Wright-Patterson AFB, OH & Eglin AFB, FL
AFWA - Air Force Weather Agency, Offutt AFB, NE
DGSC - Defense General Support Center, Richmond, VA
DPSC - Defense Personnel Support Center, Philadelphia, PA
ER - Eastern Range, Patrick AFB, FL
ESC - Electronic Systems Center, Hanscom AFB, MA
HSC - Human Services Center, Brook AFB, TX
OC-ALC - Oklahoma City Air Logistics Center, Tinker AFB, OK
OO-ALC - Ogden Air Logistics Center, Hill AFB, UT
SMC - Space & Missile Systems Center, Los Angeles AFB, CA
US STRATCOM - US Strategic Command, Offutt AFB, NE
WACC - Washington Area Contracting Center, Washington DC
WR - Western Range, Vandenberg AFB, CA
WR-ALC - Warner-Robins Air Logistics Center, Robins AFB, GA
AFSPC - Air Force Space Command, Peterson AFB, CO
HQ ANG - Headquarters, Air National Guard, Washington, DC
USAFE - United States Air Force Europe, Ramstein AB, GE
USAF A - United States Air Force Academy, Colorado Springs, CO
SSG - Standard Systems Group, Maxwell AFB-Gunter Annex, AL

Bases/Organizations

11 WING - 11th Support Wing
ACC - Air Combat Command

AETC - Air Education & Training Command
AFCAO - Air Force Computer Acquisition Office
AFCESA - Air Force Civil Engineering Support Agency
AFCIC - AF Communications & Information Center
AFCSC - Air Force Cryptologic Service Center
AFESC - Air Force Engineering Services Center
AFGWC - Air Force Global Weather Central
AFIT - Air Force Institute of Technology
AFMC - Air Force Materiel Command
AFMETCAL - Air Force Metrology and Calibration Office
AFMLO - Air Force Medical Logistics Office
AFNEWS - Air Force Information & News Service Center
AFOSI - Air Force Office of Special Investigation
AFOTEC - Air Force Operational Test & Evaluation Center
AFPC - Air Force Personnel Center
AFPSL - AF Primary Standards Lab
AFR - Air Force Reserve
AFSOC - AF Special Operations Command
AFSPC - Air Force Space Command
AIA - Air Intelligence Agency
AMC - Air Mobility Command
ANG - Air National Guard
AU - Air University
AWS - Air Weather Service
CIA - Central Intelligence Agency
DGSC - Defense General Support Center
DLA - Defense Logistics Center
DOE - Department of Energy
DSCC - Defense Supply Center, Columbus
DPSC - Defense Personnel Support Center

ER - Eastern Range
ESC - Electronic Systems Center
FAA - Federal Aviation Agency
FBI - Federal Bureau of Investigation
GSA - General Services Administration
JCS - Joint Chiefs of Staff
JCS - Johnson Space Center
NATO - North Atlantic Treaty Organization
NBS - National Bureau of Standards
PACAF - Pacific Air Forces
USAF - United States Air Force
USAFA - United States Air Force Academy
USAFE - United States Air Force Europe
USCENTCOM - United States Central Command
USEUCOM - United States European Command
USMC - United States Marine Corps
USSTRATCOM - United States Strategic Command
WPAFB - Wright-Patterson AFB, OH
WR - Western Range

FY 2007 Global War on Terror Supplemental - Procurement P-1 Exhibit					
Appn	BA	P-1 Line	Line Item Name	Quantity	Cost (\$000)
OPAF	2	2	Passenger Carrying Vehicles		360
OPAF	2	8	Medium Tactical Vehicle		30,300
OPAF	2	22	Fire Fighting/Crash Rescue Vehicles		23,213
OPAF	2	26	Halvorsen Loader		620
OPAF	2	31	Runway Snow Removal and Cleaning Equipment		400
OPAF	2	34	Items Less Than \$5 Million (Vehicles)		4,440
OPAF	3	39	Intelligence Comm Equipment		16,600
OPAF	3	40	Traffic Control/Landing		7,500
OPAF	3	41	National Airspace System		9,000
OPAF	3	42	Theater Air Control System Improvement		14,800
OPAF	3	43	Weather Observation Forecast		2,433
OPAF	3	51	Air Force Physical Security System		10,680
OPAF	3	57	Air Operations Center (AOC)		1,250
OPAF	3	66	MILSATCOM Space		35,000
OPAF	3	69	Tactical CE Equipment		34,750
OPAF	3	70	Combat Survivor Evader Locator		44,010
OPAF	3	71	Radio Equipment		5,400
OPAF	3	74	Base Comm Infrastructure		19,020
OPAF	3	76	Comm Elect Mods		16,000
OPAF	4	80	Night Vision Goggles		9,317
OPAF	4	86	Base Procured Equipment		10,530
OPAF	4	88	Air Base Operability		7,200
OPAF	4	93	Items Less Than \$5 Million (Base Support)		18,000
OPAF	4	97	DARP, MRIGS		21,607
Total OPAF					342,430

DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2007

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VEHICULAR EQUIPMENT

<u>P-1 Line No.</u>	<u>Item</u>	<u>Page No.</u>
2	Passenger Carrying Vehicles	1
8	Medium Tactical Vehicles.....	4
22	Fire Fighting/Crash Rescue Vehicles	7
26	Halvorsen Loader.....	11
31	Runway Snow Removal and Cleaning Equipment	15
34	Items Less Than \$5 Million (Vehicles)	18

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$120	\$360																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>\$120</td> <td>--</td> <td>\$360</td> <td>\$360</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. Replaces PACAF ambulance buses deployed in support of urgent CENTAF requirements in Balad and Ali AL Salem for patient movement from the battlefield and airfield to clinics and hospitals during mass casualty transport of ambulatory patients. If funds are not provided, PACAF will not have full-up capability to provide large scale patient movement. 2. In FY06, Passenger Carrying Vehicles received \$120,000 in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Hurricane Recovery, 2006. 									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	\$120	--	\$360	\$360
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
\$120	--	\$360	\$360																	
	P-1 ITEM NO 2		PAGE NO: 1		Page 1 of 1															

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AMBULANCE BUS	A			3	\$360				
BUS, 44 PAX MED US	A	1	\$120						
TOTALS:		1	\$120	3	\$360				

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 2		Page 1 of 1
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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES
--	---

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
AMBULANCE BUS									
FY2007	3	\$120,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Jun-07	Aug-07	Yes	
BUS, 44 PAX MED US									
FY2006	1	\$120,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Mar-06	Jun-06		

Remarks:
Cost information is in actual dollars.

	P-1 ITEM NO 2		PAGE NO: 3		Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: MEDIUM TACTICAL VEHICLES
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$30,300						

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
--	--	\$30,300	\$30,300

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. Procures M915A2 Medium Tactical Vehicles to support USAF's Basic Combat Convoy Course at Lackland AFB, TX. The BC3 Course supports 630 AF members each year in support of In Lieu Of (ILO) missions prior to deployment to the Iraqi theater for convoy operations. The Joint maintenance and training teams accommodate USAF and Army operational needs in support of theater combat convoy operations. Without this training, our Airmen and soldiers will be ill equipped to defend against life-threatening attacks in the AOR. These vehicles are needed to meet current mission requirements and for known future requirements.

2. Procures Medium Tactical Vehicles to support US Army Stryker Brigade Combat Team. Tactical Air Control Parties do not have vehicles needed for training prior to re-deployment to OIF, creating a training shortfall. Additionally, units do not have sufficient vehicles to meet taskings or exercise requirements when at home station. TACP forward representative to Army tactical units responsible to integrate airpower into ground combat plans and for control close air support missions. Specialized communications equipment, targeting devices, and armored vehicles are required to perform this mission. Increasing demands by the COCOMs have further increased equipment requirements in both quantity and capabilities. If funds are not provided: Vehicle, convoy, and reaction to ambush/IED training for rotational TACPs will not be accomplished and units are incapable of meeting their taskings.

	P-1 ITEM NO 8		PAGE NO: 4		Page 1 of 1
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: MEDIUM TACTICAL VEHICLES
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TACTICAL VEHICLES (M915A2)	A			21	\$15,100				
MEDIUM TACTICAL VEHICLES	A			5	\$15,200				
TOTALS:				26	\$30,300				

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 8		PAGE NO: 5	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: MEDIUM TACTICAL VEHICLES						
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	
TACTICAL VEHICLES (M915A2)										
FY2007	21	\$719,048	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	May-07	Sep-07	Yes		
MEDIUM TACTICAL VEHICLES										
FY2007	5	\$3,040,000	AFMC/WR-ALC	MIPR/FFP	ARMY/UNKNOWN	Apr-07	Aug-07	Yes		
Remarks: Cost information is in actual dollars.										
	P-1 ITEM NO 8			PAGE NO: 6				Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: FIRE FIGHTING/CRASH RESCUE VEHICLES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$23,213																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$23,213</td> <td style="text-align: center;">\$23,213</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. Reconstitutes fire-fighting vehicles required to return to the United States fire and emergency services fleets to pre 9-11 levels. Daily flight operations are at risk due to lower levels of aircraft and pilot protection services, reduced fire suppression capability, decreased on-scene fire fighting time, and fleets being below National Fire Protection Association, Federal Aviation Administration, and International Civil Aviation Organization standards for airport fire suppression services. Vehicle deployed to support OEF and OIF left many CONUS installations far below the "minimum acceptable level" of combined agent by as much as 30%; reduces on-scene aircraft fire fighting time to achieve fire control; eliminates the capability to provide on-scene re-supply of crash vehicles; jeopardizes sustained fire fighting operations and rescue of aircrew and passengers. 2. Purchase Aircraft Rescue and Fire Fighting (ARFF) vehicles for the crash/rescue element of Airborne RED HORSE Teams. Airborne RED HORSE is a capability developed to allow airborne engineers the ability to assess, prepare, and establish contingency airbases in remote locations through air delivery. Aircraft Rescue Fire fighting vehicles are required to deliver expeditionary fire extinguishment/rescue capability and reach complete operational status for ACR Teams. They are designed to be mobile and open an airfield very quickly to fire and rescue requirements. If not funded the full operational capability for the Airborne RED HORSE teams will be severely degraded, adversely affecting their ability to support the Global Mobility CONOPS; Crash/rescue capability to operate on the ground and perform rescue during a fire or aircraft crash will be severely limited; aircrew and on-site personnel safety will be at 									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$23,213	\$23,213
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$23,213	\$23,213																	
	P-1 ITEM NO 22		PAGE NO: 7	Page 1 of 2																

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: FIRE FIGHTING/CRASH RESCUE VEHICLES		
Description (continued): increased risk. 3. Procures a complete response vehicle enhancing the mitigation efforts of Hazardous Material (HAZMAT) or Chemical Biological Radiological Nuclear Explosive (CBRNE) events. This vehicle also provides an in-cab command and control center for emergency operations. Vehicle improves command and control during a HAZMAT/CBRNE events to reduce Incident Commanders exposure to adverse weather conditions and improve their ability to mitigate the emergency event. Vehicles will allow firefighters to standardize training and response procedures to meet the AF initiative of a WMD HAZMAT/CBRNE capable of supporting OIF and future global wars on terrorism.				
	P-1 ITEM NO 22		PAGE NO: 8	Page 2 of 2

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

DATE: FEBRUARY 2007

APPROP CODE/BA:

OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:

FIRE FIGHTING/CRASH RESCUE VEHICLES

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRUCK, CRASH P-19	A			16	\$11,782				
TRUCK, CRASH P-23	A			6	\$3,600				
TRUCK, PUMPER 4X4 P-24	A			2	\$833				
TRUCK, WATER TANKER P-26	A			10	\$2,763				
VEHICLE, HAZARDOUS MATERIAL P-31	A			11	\$4,235				
TOTALS:				45	\$23,213				

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 2007		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: FIRE FIGHTING/CRASH RESCUE VEHICLES					
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
TRUCK, CRASH P-19									
FY2007	16	\$736,398	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes	
TRUCK, CRASH P-23									
FY2007	6	\$600,000	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes	
TRUCK, PUMPER 4X4 P-24									
FY2007	2	\$416,392	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes	
TRUCK, WATER TANKER P-26									
FY2007	10	\$276,285	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes	
VEHICLE, HAZARDOUS MATERIAL P-31									
FY2007	11	\$385,000	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes	
<p>Remarks: Cost information is in actual dollars.</p>									
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HALVORSEN LOADER
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$7,000	\$620						

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
\$7,000	--	\$620	\$620

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. Funds Interim Contractor Support (repair parts) for the Halvorsen fleet. Increased operations tempo, including nighttime and blackout operations, has resulted in increased failure rates. A full 20% of the world-wide Halvorsen loader fleet is stationed in the AOR supporting the GWOT in Operations IRAQI FREEDOM and ENDURING FREEDOM; these activities account for 30% of the fleet's operational hours and represents a 30% increase in expected fleet hours. The Halvorsen loader is critical to providing efficient support at aerial ports in theater at austere locations; it is responsible for moving 33% of any one port's rolling stock and palletized cargo. Failure to fund this requirement will require the Air Force to reposition assets from alternative locations in order to move them into the Central Command Air Forces (CENTAF) area of responsibility. This action will result in a loader fleet imbalance constraining global mobility and force projection.

2. The Halvorsen Loader Program provides critical support for aerial ports world-wide and specifically operations within the AOR. The Halvorsen loader replaces the oldest 25K loaders and remaining Wide-Body Elevator Loaders. It handles all configurations of air cargo, including 463L pallets, commercial pallets, Army Type V airdrop platforms, container delivery system loads, international standard organization containers and rolling stock. The Halvorsen accommodates three pallets, loads and offloads a maximum of 25,000 pounds up to a height of 18.5 feet (to accommodate 747 aircraft) and has a lowering capacity to 39 inches (to accommodate C-130 aircraft). It interfaces with current and planned military cargo aircraft, current civilian model aircraft utilized by

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: HALVORSEN LOADER		
Description (continued): commercial carriers and the Civil Reserve Fleet. Unlike the Tunner (60K Aircraft Loader), the Halvorsen is C-130 transportable, further enhancing the Air Force's ability to support rapid deployment to austere operating locations.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HALVORSEN LOADER
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
INTERIM CONTRACTOR SUPPORT (ICS)	A				1	\$620,000	\$620						
HALVORSEN	A	11	\$636,364	\$7,000									
TOTALS:		11		\$7,000	1		\$620						

Remarks:
 Total Cost information is in thousands of dollars.

FY07 dollars will be used to offset increased cost for Interim Contractor Support (ICS) until the start of Contractor Logistics Support (CLS) in FY08.

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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HALVORSEN LOADER
--	--

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
INTERIM CONTRACTOR SUPPORT (ICS)									
FY2007	1	\$620,000	AFMC/WR-ALC	SS/FFPW/OPT	FMC/ORLANDO, FL	Aug-07	Jul-08	Yes	
HALVORSEN									
FY2006	11	\$636,364	AFMC/WR-ALC	SS/FFPW/OPT	FMC/ORLANDO, FL	Feb-06	May-06		

Remarks:
Cost information is in actual dollars.

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$400						

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
--	--	\$400	\$400

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. Reconstitution of assets remaining in theater at deployment location. This vehicle is essential for keeping airfields and streets clear of snow and ice to allow continuation of airfield activity and safe motor vehicle traffic; at Osan AB, Korea. Lack of this asset results in delayed snow removal operations and increased use of existing, but inadequate assets, causing excess wear and additional maintenance costs of other vehicles.

2. This program procures a group of snow removal vehicles used on airfield surfaces to remove snow and help prevent foreign object damage (FOD) to aircraft engines and tires. These vehicles provide critical mission support to airfield operations because fighter aircraft cannot land or take off with ice on the runway. This vehicle is the primary player in keeping runways safe and usable in winter when snow and ice buildup can close an airfield.

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

DATE: FEBRUARY 2007

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SNOW BROOM AND BLOWER	A			1	\$400				
TOTALS:				1	\$400				

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT						
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	
SNOW BROOM AND BLOWER										
FY2007	1	\$400,000	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-07	Mar-08	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 31				PAGE NO: 17	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (VEHICLES)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$4,440																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$4,440</td> <td style="text-align: center;">\$4,440</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>Procures various vehicles with a cost of less than \$5M. The types of items contained within this P-1 line are critical (deployed) assets used in direct support of Air Force units engaged in contingency operations.</p> <p>A. 50 K All Terrain Loader: Procures replacement of deployed vehicle. This is a specialized vehicle required to load, unload, and move containerized munitions for deployment and re-supply. This is the only type of vehicle with the weight capacity to lift loaded munitions containers. Continued downloading of containerized munitions via small forklifts and transporting on flatbed trucks decreased efficiency and increased safety risks. PACAF's ability to transport munitions in support of OIF and OEF is degraded, delaying completion of missions.</p> <p>B. High Deck Patient Loading Platform: High Deck Patient Loading Vehicle (HDPLV) is a special purpose vehicle designed and built specifically to transport, lift and lower patients with disabilities, special needs or litter bound onto, and off of, high-deck, fixed-wing aircraft (i.e. KC-135, KC-10, CRAF-767). Vehicle has power, environmental control, and lighting necessary to keep patient safe during transport, power critical care medical equipment, and facilitate medical care. Vehicle is self enclosed, keeping patient out of climatic conditions that could jeopardize medical care or safety. Operational outcome provided by HDPLV is safe, expedient transfer of patients, crew and equipment from ground to aircraft, and vice versa. Replaces current method of</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$4,440	\$4,440
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$4,440	\$4,440																	
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (VEHICLES)		
Description (continued): transporting patients to aircraft and lifting them to the deck using ambulance buses, Materiel Handling Equipment (K-loaders) or external loading ramp. C. 15 Cubic Yard Dump Truck: Special Construction Dump Truck to support the 554th Red Horse Squadron. Vehicle provides enhanced capability to support airfield improvements/repairs and construction. As a mobile Civil Engineering (CE) unit, the 554th must be ready, with all required vehicles and equipment, to deploy quickly in order to construct or repair infrastructure as needed to launch and recover aircraft. The requested asset is critical for moving vast amounts of material needed to construct, improve and repair airfields and other base infrastructure. These vehicle are essential to timely airfield construction projects during contingencies which cause mission delays, to include aircraft deployment and ability to place iron on target.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (VEHICLES)
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
50K ALL TERRAIN CONTAINER HANDLER	A			1	\$540				
HIGH DECK PATIENT LOADING PLATFORM	A			9	\$3,300				
TRUCK, DUMP 15 CUBIC YARD	A			2	\$600				
TOTALS:				12	\$4,440				

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 34		PAGE NO: 20	Page 1 of 1
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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2007

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ELECTRONIC & TELECOMMUNICATIONS EQUIPMENT

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$16,600						

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
--	--	\$16,600	\$16,600

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. AIR NATIONAL GUARD (ANG) PREDATOR OPERATIONS CENTER (POC) COMMUNICATIONS EQUIPMENT: FY07 GWOT Supplemental funds will procure POC radios, reachback infrastructure, and satellite communications equipment required to establish ANG POCs in Texas and New York in order to utilize the ANG as part of the Total Force in the GWOT. Funds procure necessary computer equipment and connectivity including Secret Internet Protocol Router Network (SIPRnet), Joint Worldwide Intelligence Communications System (JWICS), and other data paths for ANG POCs in support of Remote Split Operation of MQ-1 Predator Unmanned Aerial Systems tasked for Intelligence, Surveillance, and Reconnaissance (ISR) and/or Time Sensitive Targeting of High Value targets in direct support of United States Central Command (CENTCOM) or Special Operations Command (SOCOM) GWOT tasking. The POC is the primary command and control node for MQ-1 Predator mission execution and is crucial for operation and initial intelligence exploitation of MQ-1 full motion video capability. MQ-1 Predator ISR operations are not possible without an established POC. Without GWOT funding, ANG POCs will experience excessive delay in mission capability and stand up, resulting in delayed critical combat capability.

Within a POC the ANG will provide MQ-1 Predator orbit command and control, and intelligence collection and dissemination in support of current CENTCOM missions. Additionally, the POC will support emerging missions in other COCOMs and CONUS state and national missions. The POC will incorporate current and future operations equipment in an open architecture design, which smoothly integrates current and emerging needs for control of

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT			
Description (continued): current and future war fighting and homeland defense missions. Funding will also purchase a Predator Primary Satellite Link (PPSL). The PPSL is an air transportable 6.25 meter, trailer-mounted satellite system that provides communications between the ground control station and the aircraft when it is beyond line-of-sight. The PPSL is also a link into secondary intelligence dissemination networks and will be used to support all Predator training operations and any live, reachback missions in the western hemisphere. Funds will pay for initial installation of infrastructure in one central location. Failure to establish a central location will result in redundant and difficult-to coordinate installations at each Predator unit at a higher cost per PPSL. 2. AIR NATIONAL GUARD (ANG) CRYPTOLOGIC SUPPORT SITE (CSS) EQUIPMENT: FY07 GWOT Supplemental funds will procure critical equipment to enable the Utah ANG CSS to maintain viability against an ever-evolving GWOT target set. As a full partner, the UT ANG CSS is required to maintain equipment configuration at the same level as the active duty Air Force. Equipment to be purchased corresponds with the the Air Intelligence Agency cryptologic roadmap. Detailed information on CSS equipment purchases is classified and will be provided on a need-to-know basis. For further information, please contact NGB/A2I, DSN: 327-3056. Items requested are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2007

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

INTELLIGENCE COMMUNICATIONS EQUIPMENT

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
INTELLIGENCE COMMUNICATIONS EQUIPMENT									
ANG PREDATOR OPERATIONS CENTER COMMUNICATIONS EQUIPMENT (1)	A				\$2,900				
ANG CRYPTOLOGIC SUPPORT SITE EQUIPMENT (1)	A				\$13,700				
TOTALS:					\$16,600				

Remarks:

Cost information is in thousands of dollars.

(1) Quantities and unit costs vary because different types/configurations of equipment are being procured.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT					
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
INTELLIGENCE COMMUNICATIONS EQUIPMENT									
ANG PREDATOR OPERATIONS CENTER COMMUNICATIONS EQUIPMENT									
FY2007(1-2)			ANGRC	C/OTH	UNKNOWN	Apr-07	Jul-07	Yes	
ANG CRYPTOLOGIC SUPPORT SITE EQUIPMENT									
FY2007(1)			AFMC/WR-ALC	SS/CPFF	RAYTHEON/FALLS CHURCH, VA	Mar-07	Mar-09	Yes	
Remarks: (1) Quantities and unit costs vary because different types/configurations of equipment being procured. (2) Contract type TBD; to be executed by ANG contracting function in applicable state.									
			P-1 ITEM NO 39			PAGE NO: 4	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TRAFFIC CONTROL/LANDING																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$7,500																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$7,500</td> <td style="text-align: center;">\$7,500</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. TRN-45 MOBILE MICROWAVE LANDING SYSTEM (MLS) ANTENNA: FY07 GWOT Supplemental funding will procure four azimuth and three elevation antennas for the TRN-45 Mobile Microwave Landing Systems. The TRN-45 is a mobile instrument precision approach and landing system that provides azimuth and elevation guidance to the aircraft allowing precision approach and landing in adverse weather down to a 200-foot decision height with a quarter mile (2400 feet) of visibility. It was specifically designed to give the ability to rapidly project combat-ready forces and cargo to any location worldwide. As TRN-45 system usage continues to be high at deployed and training locations, the probability of experiencing antenna damage that is beyond economical repair increases. If not funded, TRN-45 system reliability will continue to degrade--adversely impacting support for future GWOT taskings and the ability to provide a safe and reliable aircraft recovery capability in adverse weather. 2. USAFE INSTRUMENT LANDING SYSTEM (ILS) REPLACEMENT PROGRAM: FY07 GWOT Supplemental funding will procure 14 ILSs to replace equipment at six Main Operating Bases (MOBs) and seven additional air fields theater wide. The ILS consists of two subsystems: a "localizer" to provide course and runway alignment steering guidance and a "glideslope" to provide vertical descent guidance to the pilot. The horizontal and vertical guidance allows the pilot to perform a precision instrument approach to an airfield runway in inclement weather in support of inter and intra-theater deployment operations during peacetime and contingency operations. The current ILSs are approaching the end of their intended life cycle. Replacement of these 									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$7,500	\$7,500
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$7,500	\$7,500																	
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TRAFFIC CONTROL/LANDING		
Description (continued): outdated navigation systems will provide up-to-date technology, long-term logistic support warranties and increased system availability to aircraft moving through the theater to support the Global War On Terror.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TRAFFIC CONTROL/LANDING
--	---

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
ATCALs													
TRN-45 MOBILE MICROWAVE LANDING SYSTEM ANTENNA	A						\$3,300						
USAFE ATCALs ILS REPLACEMENT	A						\$4,200						
TOTALS:							\$7,500						

Remarks:
Total Cost information is in thousands of dollars.

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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TRAFFIC CONTROL/LANDING						
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	
ATCAL5										
TRN-45 MOBILE MICROWAVE LANDING SYSTEM ANTENNA										
FY2007			AFMC/OC-ALC	C/FFP	UNKNOWN	Mar-07	Mar-08	Yes		
USAFE ATCAL5 ILS REPLACEMENT(1)										
FY2007			AFMC/ASC	OPT/FFP	SAIC/ SAN DIEGO, CA	Mar-07	Mar-08	Yes		
Remarks: (1) Option to prior year contract to SAIC, San Diego, CA. Basic award Feb 02, with five option years.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$9,000																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$9,000</td> <td style="text-align: center;">\$9,000</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>RADAR APPROACH CONTROL (RAPCON) UPGRADES: FY07 GWOT Supplemental funding will upgrade air traffic control (ATC) equipment at selected Pacific Air Forces (PACAF) theater locations; equipment to be upgraded includes airport surveillance radars, automation systems, RAPCON and tower equipment. PACAF bases are critical en route segments to deploy US forces during GWOT operations; however, the PACAF Area of Responsibility (AOR) is complex and has become very congested. Current analog radar systems are degrading in capabilities and are becoming unsupportable. As the ATC services become less reliable, unit flying missions become increasingly compromised, especially in adverse weather environments. If not funded, Radar Air Traffic Services will be unavailable at proposed locations and unit flying missions will be compromised in austere weather environments.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$9,000	\$9,000
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$9,000	\$9,000																	
	P-1 ITEM NO 41		PAGE NO: 9		Page 1 of 1															

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
NATIONAL AIRSPACE SYSTEM													
RAPCON UPGRADES	A						\$9,000						
TOTALS:							\$9,000						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 41		PAGE NO: 10	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE 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	
NATIONAL AIRSPACE SYSTEM										
RAPCON UPGRADES										
FY2007(1-3)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Mar-07	Mar-08	Yes		
Remarks: (1) System equipment quantity and configurations are tailored to meet specific site requirements. The result is varying unit costs in all systems. (2) Radar and site activation awarded as an option to the Air Force Digital Airport Surveillance Radar contract awarded in August 1996 (3) Controller duty station equipment awarded as an option to the Federal Aviation Administration's (FAA) Standard Terminal Automated Replacement System (STARS) contract awarded in September 1996; the FAA has continuing options on this program.										
		P-1 ITEM NO 41			PAGE NO: 11					
						Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$24,000	\$14,800						

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
\$24,000	--	\$14,800	\$14,800

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. US CENTRAL COMMAND AIR FORCES (CENTAF) BATTLE CONTROL SYSTEM-MOBILE: FY07 GWOT Supplemental funds will provide for the acquisition of a C2 solution referred to as Battle Control Center-CENTAF. The BCC-CENTAF will replace the legacy Control and Reporting Center (CRC) deployed in support of Operation ENDURING FREEDOM (OEF). The legacy CRC is unable to meet OEF-required capabilities in a standalone mode. Funds will procure two systems to support operations in Afghanistan. Funds are required to field one complete BCC-CENTAF to conduct improved wide area air surveillance, aircraft identification, weapons control, and data link management in OEF. Funds will also field one BCC-CENTAF to be used to train and certify combat mission-ready crews prior to their deployment to OEF. These two BCCs address a CENTAF Warfighter Urgent Capability Need (WUCN) request for an updated C2 asset capable of providing increased force protection and enhanced integration with other service C2 assets and civilian authorities in OEF.

The CENTAF Battle Control System-Mobile supplemental funding request for FY07 builds on the CENTAF Battle Control System-Mobile project funded by the Emergency Supplemental Appropriations act for Defense, the Global War on Terror, and Hurricane Recovery, 2006. The FY06 supplemental funded three systems to support Operation IRAQI FREEDOM (OIF) and is consistent with the request included in the FY07 Air Force Unfunded Priority List given to Congress. The BCC-CENTAF systems to be procured with FY07 GWOT funding will be operational in less time, and at less cost, due to the efficiencies

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT			
Description (continued): accomplished with the previously funded OIF assets.					
<p>2. JOINT PRECISION AIRDROP SYSTEM (JPADS): JPADS is a collaborative effort with the Army, USMC, and other agencies to provide the capability for direct delivery of cargo and equipment. It will provide aviators the ability to accurately airdrop payloads of supplies and equipment to soldiers in the field from altitudes beyond the reach of most surface to air weaponry. FY07 GWOT funds will procure precision aerial delivery kits which will include, but not be limited to, pressurized hard drives, software, GPS devices for moving map displays, portable data storage units, UHF receivers, dropsondes, interface processors, engineering and technical support, airdrop training loads, and associated hardware warranties and software licenses. The initial focus of JPADS will be to provide a precision airdrop capability for the Iraq and Afghanistan theaters of operation.</p> <p>Currently, USAF aircraft cannot accurately deliver 2,400 and 10,000 pound payloads from high altitudes, and conventional airdrop from low altitudes results in small arms fire strikes on aircraft. As such, the warfighter relies on ground vehicle convoys for sustainment which generally reach end users in days or weeks, rather than in hours and with certainty. Increased funding for JPADS equipment and operations will decrease reliance on vehicle convoy operations and will reduce exposure to land mines, IEDs, channeling actions, ambushes, sniper fire, direct attack and other interdicting techniques currently employed by insurgents and extremists.</p> <p>In FY06, THEATER AIR CONTROL SYSTEM IMPROVEMENT received \$24.0M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations act for Defense, the Global War on Terror, and Hurricane Recovery, 2006.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
THEATER AIR CONTROL SYSTEM IMPROVEMENT													
BATTLE CONTROL CENTER-CENTAF	A			\$24,000			\$8,200						
JOINT PRECISION AIRDROP SYSTEM	A						\$6,600						
TOTALS:				\$24,000			\$14,800						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 42		PAGE NO: 14	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT						
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	
THEATER AIR CONTROL SYSTEM IMPROVEMENT										
BATTLE CONTROL CENTER-CENTAF										
FY2006(1-3)			AFMC/ESC	OTH/FFP	BAE/HUNTSVILLE, AL	Feb-07	Sep-07	Yes		
FY2007(1-3)			AFMC/ESC	OTH/FFP	BAE/HUNTSVILLE, AL	Apr-07	Nov-07	Yes		
JOINT PRECISION AIRDROP SYSTEM										
FY2007(1,4)			USAYPG	MIPR/FFP	ARMY/MULTIPLE	Apr-07	Sep-07	Yes		
Remarks:										
<p>(1) Quantity and unit cost vary because different types/configurations of equipment are being procured or equipment procured is site specific.</p> <p>(2) Contractors used on BCC-CENTAF include: BAE, Huntsville, AL (C2 system) and BAE, California, MD (comm switch).</p> <p>(3) BCC-CENTAF Primary Contracting Office (PCO) is located at the U.S. Army Space and Missile Defense Command Battlelab in Colorado Springs, CO.</p> <p>(4) Mission Planning System components are procured as commercial off-the-shelf (COTS) equipment available through various contract sources, (e.g. GSA schedules, IDIQ contracts, blanket purchase agreements). Examples of contractors include Dell Corporation, Austin, TX; Rugged Portable System (RPS), Santa Anna, CA; Planning Systems, Inc, Reston, VA; and Government Technology Services, Inc (GYSI), Chantilly, VA. Award/delivery dates reflect date of first award and delivery.</p>										
			P-1 ITEM NO 42			PAGE NO: 15				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION FORECAST																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$2,433																		
<p>Description:</p> <p style="text-align: center;">(Dollars in Thousands)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$2,433</td> <td style="text-align: center;">\$2,433</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>TACTICAL METEOROLOGICAL OBSERVING SYSTEMS (TMOS) and PORTABLE DOPPLER RADARS (PDR): FY07 GWOT supplemental funding procures ten TMOS and four PDR systems. Systems are employed for Air Force and Army fixed and rotor-wing flying operations and resource protection in deployed environments in support of the GWOT in Operations IRAQI FREEDOM and ENDURING FREEDOM. The TMOS is a deployable capability consisting of a scalable suite of weather sensors that automatically collects and transmits raw data and formatted weather observations to computer-based systems and hand-held display devices via low-power radio (i.e. wireless) broadcast, satellite communications (SATCOM) link, or hardwire connection. The wireless capability allows TMOS to be remotely located up to five nautical miles (line of sight) from the receiving system, thereby enabling the sensors to operate from the most meteorologically representative location (e.g., near the runway, helipad, etc.) while the battlefield weather team operates from the best customer support location (e.g., Wing operations center, base operations, Army Operations Center, command post, etc.). The TMOS can be employed in most geographical areas of operations and is currently employed by nearly all Air Force weather teams deployed in Afghanistan and Iraq. PDR is a capability designed to operate in extreme climate conditions for extended periods. System is a self-contained, two-person portable designed to meet C-130 and C17 pallet/load requirements and has weather surveillance effective range of 300 miles. System interrogates severe weather, wind speed and direction and is employed synergistically with deployed air traffic control resources enhancing deployed aviation flight safety and resource protection.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$2,433	\$2,433
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$2,433	\$2,433																	
	P-1 ITEM NO 43		PAGE NO: 16	Page 1 of 1																

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: WEATHER OBSERVATION FORECAST
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
WEATHER OBSERVATION/FORECAST													
WEATHER DATA COLLECTION													
TACTICAL METEOROLOGICAL OBSERVING SYSTEMS													
PRIME MISSION EQUIPMENT	A						\$1,300						
PORTABLE DOPPLER RADAR													
PRIME MISSION EQUIPMENT	A						\$1,133						
TOTALS:							\$2,433						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 43		PAGE NO: 17	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION FORECAST						
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	
WEATHER OBSERVATION/FORECAST										
WEATHER DATA COLLECTION										
PRIME MISSION EQUIPMENT										
FY2007(1)			AFMC/OO-ALC	OPT/IDIQ	RAYTHEON TECHNICAL SERVICES/BELLEVUE, NE	Dec-06	Aug-07			
PORTABLE DOPPLER RADAR										
PRIME MISSION EQUIPMENT										
FY2007			HQ AFSOC	SS/FP	ENTERPRISE ELECTRONICS CORP./ ENTERPRISE, AL	Mar-07	Jun-07	Yes		
Remarks: (1) Basic firm, fixed, price contract awarded Dec 05; contract plus two option years available through Dec 08.										
			P-1 ITEM NO 43				PAGE NO: 18	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$10,680																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$10,680</td> <td style="text-align: center;">\$10,680</td> </tr> </table> <p style="margin-top: 10px;">FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>VEHICLE EXPLOSIVE DETECTION SYSTEM (VEDS): FY07 GWOT Supplemental funds will purchase four VEDS units in order to provide an electronic means of conclusively detecting explosives without physically contacting the subject vehicle being searched. This capability will be critical for the protection of Air Force installations that serve as key air hubs for the transport of personnel and equipment directly into and out of Iraq and Afghanistan and other countries in the area of responsibility. Terrorists' potential use of large vehicle improvised explosive devices to inflict catastrophic damages and potential for mass casualties are, and will continue to be, a threat to national security. The detonation of a large vehicle explosive device will severely damage critical installation infrastructure and kill or wound US personnel as well as significantly disrupt air hub operations; VEDS will serve as a long-term solution to mitigate the threat of large vehicle improvised explosive devices and will greatly serve to mitigate this risk.</p> <p>MINIATURE UNATTENDED GROUND IMAGER (MUGI): FY07 GWOT Supplemental funds will purchase 64 MUGIs and 4 control systems. Designed in Israel by field experts, MUGI was developed to meet specific needs for persistent surveillance. MUGI provides 24/7 monitoring and surveillance; it delivers long-dwell, intrusive, covert, intelligence gathering capability on the ground. MUGI integrates as many as 32 different control systems throughout a defense posture once deployed. In response to constantly changing tactics, techniques and procedures developed in the deployed area of responsibility (AOR) while fighting the GWOT, the Air Force strives to maintain cutting edge security and combat support forces. MUGI will contribute to Air Force security</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$10,680	\$10,680
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$10,680	\$10,680																	
	P-1 ITEM NO 51		PAGE NO: 19	Page 1 of 2																

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM		
Description (continued): forces' capabilities by providing another tool needed to protect the force against the full spectrum of enemy warfare. MUGI provides a much needed additional layer of defense technology and will be an important force multiplier. Items requested are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.				
	P-1 ITEM NO 51		PAGE NO: 20	Page 2 of 2

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR FORCE PHYSICAL SECURITY SYSTEM									
VEHICLE EXPLOSIVE DETECTION SYSTEMS	A				\$8,000				
MINIATURE UNATTENDED GROUND IMAGER	A				\$2,680				
TOTALS:					\$10,680				

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 51		PAGE NO: 21	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY 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	
AIR FORCE PHYSICAL SECURITY SYSTEM										
VEHICLE EXPLOSIVE DETECTION SYSTEMS										
FY2007			HQ USAFE	SS/FFP	RAPISCAN SYSTEMS/ HAWTHORNE, CA	May-07	Aug-07	Yes		
MINIATURE UNATTENDED GROUND IMAGER										
FY2007			HQ USAFE	SS/FFP	SERAPHIM OPTRONIKA, LTD/ YOKNEAM, IS	May-07	Aug-07	Yes		
Remarks:										
	P-1 ITEM NO 51			PAGE NO: 22				Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR OPERATIONS CENTER (AOC)
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$1,250						

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
--	--	\$1,250	\$1,250

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. **AL UDEID AIR BASE (AUAB) AIR AND SPACE OPERATIONS CENTER (AOC) TECHNOLOGY REFRESH:** Al Udeid Air Base, in conjunction with US Central Command Air Forces (USCENTAF), has identified that a large portion of their present AOC hardware needs to be updated. This technology refresh would allow the AOC to operate under a greater load (e.g., number of missions, amount of information flow) and optimize the present capability (e.g., air battle planning, support to ground forces in contact with the enemy) in support of the Global War on Terror.
2. **AIR OPERATIONS CENTER (AOC) COMMAND AND CONTROL (C2) SYSTEM BACK-UP SUITE:** The Air and Space Operations Center Weapon System Program Office will supply the Al Udeid Air Base (AUAB) AOC with a spare hardware suite in case of system failure during the AOC 10.1 installation. This hardware suite is the central system for planning combat air missions in theater and the joint system of record for air battle planning. Loss of this system would cripple Air Force, joint and coalition support to ground troops in contact in OEF and OIF. AUAB AOC has a unique and critical role in ongoing combat operations in Iraq and Afghanistan requiring a greater level of redundancy than normally required during other AOC upgrades.

Items requested are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR OPERATIONS CENTER (AOC)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR OPERATIONS CENTER													
AL UDEID AIR BASE AIR OPERATIONS CENTER TECHNOLOGY REFRESH	A						\$900						
AOC C2 SYSTEM BACK-UP SUITE	A						\$350						
TOTALS:							\$1,250						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 57		PAGE NO: 24	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR OPERATIONS CENTER (AOC)						
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	
AIR OPERATIONS CENTER										
AL UDEID AIR BASE AIR OPERATIONS CENTER TECHNOLOGY REFRESH										
FY2007(1-3)			AFMC/ESC	MIPR/IDIQ	MULTIPLE	Apr-07	Aug-07	Yes		
AOC C2 SYSTEM BACK-UP SUITE										
FY2007(1-3)			AFMC/ESC	MIPR/IDIQ	MULTIPLE	Apr-07	Aug-07	Yes		
Remarks:										
Multiple award delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.										
(1) Quantity and Unit Cost vary due to unique AOC site configurations and capabilities.										
(2) The Weapon System Integrator Contractor for AOC WS is Lockheed Martin Integrated Systems and Solutions (LM IS&S). Other contractors for the AOC WS Program, Increment Fielding, Technical Refresh, Technical Documentation and Contract Engineering & Systems Program Support are MITRE, Bedford, MA, SAIC, Burlington, MA, Gemini Industries, Fairfax, VA, P3I, Hopkington, MA, Titan, Billerica, MA, and multiple selected contractors as needed.										
(3) Multiple Purchase Requests & Military Interdepartmental Purchase Requests (PR's/MIPRS) will be executed to procure hardware on FFP contracts.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
COST (in Thousands)		\$35,000																		
<p>Description:</p> <p style="text-align: center;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$35,000</td> <td style="text-align: center;">\$35,000</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>GLOBAL BROADCAST SYSTEM (GBS) RUCKSACK TERMINALS: FY07 GWOT Supplemental funding will procure GBS rucksack terminals for Air Force Special Operations Command (AFSOC) Special Operations Forces. Global Broadcast System (GBS) is an information technology based national security communication system providing vital network-centric warfare information. GBS provides world-wide, high-capacity transmission of classified and unclassified high-speed multimedia information flow for deployed and garrisoned forces, including Unmanned Aerial Vehicle (UAV) live video feeds and intelligence data. A GBS rucksack-portable terminal is smaller and lighter (10 lbs) than an existing GBS receive terminal (500 lbs). The GBS Rucksack Terminal will allow portable operations in the field, which is especially important to special operations forces. AFSOC special operations forces are central to the GWOT and the intelligence and imagery GBS provides to those forces enables great efficiencies and capabilities in SOF mission accomplishment.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$35,000	\$35,000
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$35,000	\$35,000																	
	P-1 ITEM NO 66		PAGE NO: 26		Page 1 of 1															

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MILSATCOM SPACE
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MILSATCOMSPACE													
GBS (RUCKSACK)RECEIVE SUITES	A						\$24,767						
PRODUCTIONENGINEERING							\$10,233						
TOTALS:							\$35,000						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 66		PAGE NO: 27	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE					
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
MILSATCOM SPACE									
GBS (RUCKSACK) RECEIVE SUITES									
FY2007(1)			AFMC/ESC	OPT/FFPW/OPT	RAYTHEON/RESTON, VA	Mar-07	Jul-07	Yes	
Remarks:									
(1) Base contract awarded in Nov 97 (8 option years); currently in renegotiation--future options TBD.									
	P-1 ITEM NO 66			PAGE NO: 28			Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$34,750																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$34,750</td> <td style="text-align: center;">\$34,750</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>1. REMOTE OPERATIONS VIDEO ENHANCED RECEIVER (ROVER): FY07 GWOT Supplemental funds will procure approximately 560 ROVERs. These units will replace damaged or failed receivers, upgrade receivers to match changes to sensor upgrades, provide ROVER's to coalition partners, reconstitute combat losses, and complete TACP Army modernization fielding. Funds will procure ROVER receivers, computers, software, ancillary equipment, and logistical support as required for system integration into the Tactical Air Control Party (TACP) Vehicular Communications Systems (VCS).</p> <p>ROVER receivers allow attack aircraft with targeting pods and Unmanned Aerial Vehicles (UAVs) equipped with ROVER transmitters to transmit streaming video to Air Force TACP and Battlefield Airmen supporting new modular US Army units in Operation IRAQI FREEDOM (OIF) and Operation ENDURING FREEDOM (OEF). ROVERs were procured as a rapid acquisition program to quickly field a highly successful technology demonstration that gives Battlefield Airmen supporting Army commander in OIF/OEF that capability to view streaming video of targets and/or enemy forces. The rapid acquisition program did not include funding to support repairs and adequate spares for receivers that were damaged or destroyed during combat and training operations. Supplemental funding will normalize the ROVER rapid acquisition program to ensure TACP personnel have the necessary logistics support and technology upgrades to receive the latest streaming video formats from targeting pods and UAVs. Currently, damaged equipment must be returned back to a stateside support facility because there are no spares stored in the combat operational area. The result is that the repair cycle time is too long to support the GWOT</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$34,750	\$34,750
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$34,750	\$34,750																	
P-1 ITEM NO 69		PAGE NO: 29		Page 1 of 3																

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT			
Description (continued): operational tempo. Anticipated distribution of the ROVERs will be to provide 100 to the forward combat area to alleviate the in-country sparing problem, issue 60 ROVERs to coalition partners and utilize 250 ROVERs for reconstitution of combat losses and to complete TACP fielding in support of Army modernization. The disposition of the remaining 150 ROVERs is still being evaluated. 2. PRC-148 RADIOS AND SUPPORT EQUIPMENT: FY07 GWOT Supplemental funds will procure multi-channeled, programmable radio systems for Air Force Explosive Ordnance Disposal (EOD) improvised explosive device (IED) defeat teams and for Prime Base Engineering Emergency Force (PRIME BEEF) teams. PRC-148 Multi-Band Intra Team Radio (MBITR) system is a multi-capable radio system that uses NSA Type 1 encryption, switching frequencies and satellite communications venues to transmit to any programmed frequency (user controlled) to include the capability to communicate with aircraft. These radios allow cross-service communications in joint environments between Air Force EOD and PRIME BEEF personnel and our multi-service counterparts. MBITRS radio systems are the standard radio system used by Army and Navy engineers. Increased joint service operations in support of the GWOT demand reliable, uniform communications to minimize potential for serious injury or death and to accomplish assigned mission directives. Interservice mission tasking and joint operations requires the ability to communicate with all services' command and control elements, as well as all convoy vehicles. Existing Air Force EOD and PRIME BEEF radio systems are only capable of communicating with other Air Force systems, not Army or Navy systems. This inability to easily communicate degrades the accomplishment of Unexploded Ordnance/Improvised Electronic Devices (UXO/IED) mitigation and neutralization missions, which in turn jeopardizes main supply routes and base force protection. The potential for serious injury or death to AF personnel increases as threat levels in hostile environments and mission requirements increase. EOD and PRIME BEEF personnel are required to have communications equipment prior to entering hostile theaters when accomplishing Army missions; failure to fund may jeopardize the success of critical joint missions. If not funded, Air Force EOD and PRIME BEEF teams will continue to fill joint taskings without the capacity to communicate with their counterparts in other Services. 3. BATTLEFIELD AIR OPERATIONS (BAO) READINESS TRAINING AND EMPLOYMENT: FY07 GWOT Supplemental funding will procure the critical Battlefield Air Operations (BAO) Kit components of Beyond Line of Sight (BLOS) targeting equipment (identified in previous budget documents as Battlefield Air Targeting Camera Autonomous Micro-Air Vehicles (BATCAMs)) and state-of-the-art power generation equipment Battlefield Renewable Integrated Tactical Energy System (BRITES). This equipment will provide cost effective training, develop joint tactics, techniques, and procedures (JTTPs) for Joint Close Air Support, and will be employed in support of the Global War on Terror (GWOT). The BLOS targeting system is an expendable asset that can operate covertly to navigate, sense, map, and reconnoiter targets from behind enemy lines all while allowing the Special Tactics Battlefield Airmen to					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT		
Description (continued): rapidly adapt to the dynamic war-fighting environment. BLOS capability provides increased situational awareness in combat environments, enables ground-based Joint Terminal Attack Controllers (JTAC) to find and track time-critical targets, provide bomb damage assessment and force protection for forward-deployed troops. Both BLOS and BRITES are interoperable, lightweight, ruggedized mission critical components for Air Force Battlefield Airmen supporting the Global War on Terror in Operations IRAQI FREEDOM and ENDURING FREEDOM (OIF/OEF). Current operations in OIF/OEF have identified severe shortcomings in the ability of the dismounted operator, to exchange time sensitive data to other friendly elements while using UAVs as the primary sensor in efforts to shorten the kill chain. The BLOS system is able to relay data as an airborne repeater station permitting the two-way transmission of time critical targeting and situational awareness data via white boarding, text and voice to friendly elements that are not co-located and/or separated by terrain or other obstacles. The power generation component enables the BLOS system to operate for extended periods by using highly efficient power cells which weigh 25-50% less than conventional batteries. These power cells power the computing devices that run the software and recharge the internal batteries. Failure to fund will keep Air Force Battlefield Airmen from realizing the enormous capabilities made available by lightweight, state-of-the-art technology, reduce overall combat effectiveness, and continue to increase training costs.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TACTICAL C-E EQUIPMENT													
ROVER	A						\$19,600						
PRC-148 TACTICAL RADIO SYSTEM	A						\$8,650						
BAO READINESS TRAINING AND EMPLOYMENT													
BRITES	A						\$2,000						
BEYOND LINE OF SIGHT TARGETING SYS	A						\$4,500						
TOTALS:							\$34,750						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 69		PAGE NO: 32	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT						
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	
TACTICAL C-E EQUIPMENT										
ROVER										
FY2007			AFMC/ASC	DO/FFP	L-3 COMMUNICATIONS SYSTEMS/ WEST SALT LAKE CITY, UT	Jan-07	Jun-07	Yes		
PRC-148 TACTICAL RADIO SYSTEM										
FY2007			AFMC/ESC	DO/FFP	UNKNOWN	May-07	Jun-07	Yes		
BAO READINESS TRAINING AND EMPLOYMENT										
BEYOND LINE OF SIGHT TARGETING SYS										
FY2007(1-2)			AFMC/ASC	OPT/FFP	AEROVIRONMENT/SIMI VALLEY, CA	Jul-07	Sep-07	Yes		
BRITES										
FY2007(3)			AFMC/ASC	C/FFP	MULTIPLE	Jul-07	Sep-07	Yes		
Remarks:										
(1) Quantity and unit cost vary because of different types/configurations being procured.										
			P-1 ITEM NO 69			PAGE NO: 33				Page 1 of 2

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT						
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	
<p>(2) Basic contract awarded Dec 2006 with three one-year options.</p> <p>(3) Contractors: LAT Enterprises, Raleigh, NC, FA-8629-07-C-2373; Capitol Connections LLC, Middleburg, VA, FA-8629-07-C-2374</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY		5,087																		
COST (in Thousands)		\$44,010																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: right;">\$44,010</td> <td style="text-align: right;">\$44,010</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>Aircrews within the United States Central Command (USCENTCOM) area of responsibility (AOR) are experiencing critical shortages of the updated, modern survival radios. Without adequate quantities of survival radios, aircrews and recovery forces experience a much higher risk in the AOR if placed in a survive/evade situation. The Combat Survivor Evader Locator (CSEL) replaces PRC-90 and -112 radios with an end-to-end system providing Global Positioning System (GPS) location and secure 2-way over-the-horizon satellite communications via ultra high frequency (UHF), civil search and rescue satellite (SARSAT) and national asset modes to pinpoint survivor/evaders. Failure to fund will continue to cause aircrew members to fly into Iraq and other remote regions of the AOR without state of the art survival radios and continue to put aircrew lives at greater risk. The Air Force requires an additional 5,000-plus CSEL survival radios.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$44,010	\$44,010
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$44,010	\$44,010																	
	P-1 ITEM NO 70		PAGE NO: 35		Page 1 of 1															

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
CSEL SYSTEM													
CSEL RADIO	A				5,087		\$35,446						
ANCILLIARY EQUIP (1)							\$7,064						
PRODUCTION ENGINEERING							\$1,500						
TOTALS:							\$44,010						

Remarks:
Total Cost information is in thousands of dollars.

(1) Ancillary Equipment includes, but is not limited to, varying quantities of Radio Set Adapters (RSA), mission planning software, batteries, battery chargers, charger adapters, training aids, radio spare kits and RSA spare kits. Costs per fiscal year are contingent upon the total quantity purchased.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR						
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	
CSEL SYSTEM										
CSEL RADIO										
FY2007	5,087		AFMC/ESC	SS/FFP	BOEING/ ANAHEIM, CA	Apr-07	Dec-07	Yes		
Remarks:										
			P-1 ITEM NO 70				PAGE NO: 37	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: RADIO EQUIPMENT																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$5,400																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$5,400</td> <td style="text-align: center;">\$5,400</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>HIGH FREQUENCY GLOBAL COMMUNICATIONS SYSTEMS (HFGCS) ANTENNAS: FY07 GWOT Supplemental funding will procure 20 standardized HFGCS antennae. The HFGCS Systems Program Office (SPO) has recently completed an in-depth technical survey of all 13 HFGCS fixed stations to include antenna towers, anchors, related hardware, cables, assemblies and grounding status. The surveys helped determine remaining service life, expected repairs/replacements, and performance of current equipment. Some antenna systems are over 30 years old, which is up to 15 years beyond their expected service life, resulting in severe degradation of network performance. This degradation directly impacts flight following services/safety of flight for aircraft transiting the Atlantic, Mediterranean, Pacific, and Indian Ocean Air Bridges. Many of the existing antenna systems are obsolete making it difficult and costly to maintain them at an adequate level. There is also no standard antenna configuration among the 13 stations. A standard configuration is needed to improve/evaluate network performance. Standardizing the antenna configuration with new antennas will reduce operations and maintenance costs, reduce antenna footprints, and will lead to cable/antenna manpower savings down the road.</p> <p>Items requested 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>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$5,400	\$5,400
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$5,400	\$5,400																	
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: RADIO EQUIPMENT
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
RADIO EQUIPMENT													
MAF - HFGCS ANTENNAS	A						\$5,400						
TOTALS:							\$5,400						

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: RADIO EQUIPMENT
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ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
RADIO EQUIPMENT									
MAF - HFGCS ANTENNAS									
FY2007(1)			AFMC/OC-ALC	C/IDIQ	UNKNOWN	Jun-07	Dec-07	Yes	

Remarks:

(1) Competitive, 8(A) contract with IDIQ option to be awarded in FY07.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$1,600	\$19,020						

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
\$1,600	--	\$19,020	\$19,020

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. **DIEGO GARCIA DIVERSE COMMUNICATIONS PATH:** FY07 GWOT Supplemental funds will provide for a related but separate, equally important communications infrastructure project on the island of Diego Garcia. Funds will procure the installation of eight miles of cabling and a duct system that will provide additional bandwidth and an alternate data path to support ongoing bomber operations. To satisfy USSTRATCOM's requirement for diverse communications paths, a separate communications infrastructure must be installed along the opposite side of the airfield, between the on-island Wide Area Network demarcation point at the Navy Technical Control Center and the bomber operations facilities. This on-island diverse communications capability is required in order to utilize the diverse off-island communications capability planned for and required by USSTRATCOM. The significant cost of this project and the time required to complete it is due to the isolation, topography and general environment of the island. Bomber missions supporting OIF and OEF are relying on operationally saturated infrastructure, utilizing a potential single point of failure. Entire on-island communications infrastructure supporting the bombers on Diego Garcia uses a single path to support operations in Iraq and Afghanistan. If not funded operations will continue to rely on inadequate infrastructure, which will hamper the distribution of critical intelligence, operational information, and situational awareness needed to fight. Without these communication infrastructure upgrades, operational missions emanating from Diego Garcia will be impaired by this single point of failure.

2. **AIR NATIONAL GUARD (ANG) INCIDENT SITE COMMUNICATIONS CAPABILITY:** FY07 GWOT Supplemental funds will procure 16 Joint

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description (continued): Incident Site Communications Capability (JISCC) Light packages in order to meet (ANG) Homeland Defense/Civil Support (HD/CS) requirements during Incidents of National Significance. Combat communications and command and control (C2) system support and training for upgraded equipment utilized in Theater, Joint, and Homeland Defense interoperable equipment. During a disaster or multiple disasters, the affected states' lack of command and control and situational awareness will hinder the critical decision-making process. Communications support for Title 32 domestic emergency response presents unique challenges not typically faced in traditional Title 10 OCONUS missions, so existing tactical communications in the Air National Guard do not meet specific HD/CS requirements. The National Guard's response to Hurricane Katrina highlighted these deficiencies; this funding request will resolve the capability gap.					
<p>3. ANG BASE-LEVEL COMMUNICATIONS: This program provides funding for communications flight units, modernization of ANG base level telecommunications, communications-electronics facilities and provides funding for base level communications-computer services in support of day-to-day operations. FY07 GWOT Supplemental funds are required to fix, restore and maintain communications infrastructure shortfalls affecting critical C4 facilities for ANG bases in order to ensure core one facilities comply with AF standard. This supplemental funding enables ANG units to execute base cable plant upgrades, including optical cabling and digital voice/video/data systems at more ANG bases to ensure core one facilities comply with AF standards. If ANG critical communications facilities are not upgraded to Combat Information Transportation System (CITS) standard, 88 ANG wings and 250 GSUs will lack the resources necessary to meet Air Force Architecture integration standards and provide mission essential communications support. Not funding this requirement limits ANG units' ability to support wartime missions, deploy forces, provide combat support, battle staff communications and "reach back" to critical C2 nodes. ANG's ability to support AF requirements for C4ISR, information and knowledge management, security, emergency alert and response and DoD dedicated communication systems is significantly restricted.</p>					
<p>4. 16th SPECIAL OPERATIONS WING (SOW) WING COMMAND POST SIEMANS CONSOLE: FY07 GWOT Supplemental funds will procure a state-of-the art command and control communications console for the 16 SOW command post. The wing command post is operational 24 hours a day, 7 days a week, 365 days a year. As the nucleus, the command post contains the facilities and communications equipment to conduct emergency actions, operational reporting, multi-aircraft mission management and various functions supporting operations for OIF and OEF. The existing systems available are antiquated, often require extensive repairs and only just meet the most basic of needs for the wing's command leadership. Operating the current command post and command center communications equipment is a time consuming manual process with separate non-integrated stove-pipe systems with limited conferencing capabilities. Due to the limitations of the existing communications infrastructure: aging, non-integrated systems and repetitive manual inputs, 16 SOW command post controllers' ability to make emergency notifications is severely inhibited. Currently it takes controllers an extended period of time to contact agencies one by one with limited conference and transfer capability; by delaying notifications, emergency response support agencies lose critical response</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE		
Description (continued): time that could result in ultimate loss of life and critical resources thus degrading our mission capability. These functions are the nerve center and focal point of information management during a crisis, and are the most critical link when receiving directives from higher headquarters, Joint Chiefs of Staff, the National Command Authority, and OIF and OEF engaged commands. In FY06, BASE COMMUNICATIONS INFRASTRUCTURE received \$1.6M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations act for Defense, the Global War on Terror, and Hurricane Recovery, 2006. Items requested are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2007

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

BASE COMMUNICATIONS INFRASTRUCTURE

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BASE COMMUNICATIONS INFRASTRUCTURE									
DCGS PEDS INTEGRATION	A		\$1,600						
DIEGO GARCIA DIVERSE COMMUNICATIONS PATH	A				\$7,960				
ANG INCIDENT SITE COMMUNICATIONS CAPABILITY	A				\$7,760				
ANG BASE-LEVEL COMMUNICATIONS	A				\$3,000				
16 SOW COMMAND POST SEIMENS CONSOLE	A				\$300				
TOTALS:			\$1,600		\$19,020				

Remarks:

Cost information is in thousands of dollars.

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PAGE NO:
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMM ELECT MODS
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$16,000						

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
--	--	\$16,000	\$16,000

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. **AIR TRAFFIC CONTROL AND LANDING SYSTEMS (ATCALs):** ATCALs is a combination of United States Air Force (USAF) ground facilities and equipment, both fixed and tactical, with associated avionics, personnel, and procedures that provide air traffic control to USAF/Department of Defense worldwide flying missions. ATCALs provides en route and terminal navigation control and separation, approach, departure, and landing guidance. ATCALs also provides equipment required to ensure interoperability with systems operated by the North Atlantic Treaty Organization, the US National Airspace System, and the International Civil Aviation Organization. The following modifications are in support of the ATCALs mission:

a. **TPN-19 MOBILE RADAR APPROACH CONTROL SYSTEM:** The TPN-19 includes an airport surveillance radar to provide aircraft sequencing and separation in the terminal area, a precision approach radar that provides a ground controlled approach in adverse weather and an operations center with radar displays and required communications equipment. FY07 GWOT Supplemental funding re-shelters one TPN-19 system and replaces high failure rate equipment items stressed by extended deployments and the tear-down/set-up process.

b. **AN/MSN-7 TOWER RESTORAL VEHICLE (TRV) COMMUNICATIONS SWITCH:** The TRV consists of a vehicle-mounted, airfield tower shelter containing air traffic control (ATC) equipment and space for three air traffic controllers to perform aircraft launch and recovery operations. The TRV

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description (continued): provides highly mobile, quick-response ATC tower services needed to conduct air operations at undeveloped sites. The system can be deployed as an initial capability and is capable of self-sustained operations in a bare base environment in support of contingency operations world wide. FY07 GWOT Supplemental funding replaces communications switches for four MSN-7 TRVs.					
2. NORTH WARNING SYSTEM (NWS) FPS-124 RADAR FREQUENCY SYNTHESIZER (FS) AND END-TO-END (E2E) TESTER MODIFICATION: Frequency Synthesizer and End-to-End Tester is a modification program to an existing radar program. This modification program benefits Air Force Air Combat Command (ACC) and Pacific Air Forces (PACAF) FPS-124 operations and maintenance programs. Additionally, it improves Canada's ability to operate and maintain these radar systems under the bi-national NAADM agreement. Ultimately, the modification program improves FPS-124 supportability and availability to support the NORAD air defense mission in support of Homeland Defense and the Global War on Terror; currently the Each FPS-124 is limited to operating on only 6 of 31 available channels, severely degrading operational capability; as a result, the core North Warning System's adaptability to operating locations and interoperability with other north command centers will continue to be diminished.					
a. FPS-124 RADAR FS: The FPS-124 Unattended Radar (UAR) supports the NWS portion of the North American Aerospace Defense Command (NORAD) air sovereignty mission. There are 40 FPS-124 radars in the Air Force inventory, and the late 1980's design has remained unmodified since their installation along the Arctic Circle in the early 1990s. Currently, the FPS-124 radars operate on a non-interference waiver to the Omnibus Reconciliation Act (OBRA) 93 and Balanced Budget Act (BBA) 97. Proposed plans to establish commercial satellite up-link operations in this band will jeopardize this waiver and the radars could be forced to shut down if they are not modified. FY07 GWOT Supplemental funds will procure modification kits for 40 FPS-124 UARs and 20 spares kits. The modification corrects a long-standing deficiency causing the radar to transmit significant radio frequency (RF) energy outside its assigned frequency spectrum (1218 - 1398 MHz). If not corrected, the FPS-124 will be forced to operate on even fewer frequencies to limit interference; this threatens FPS-124 operations by degrading the radar's anti-jamming capabilities and target detection capabilities.					
b. END-TO-END (E2E) TESTER: The current RF Monitor Test Set was developed in the late 1980s and its digital and RF components are unsupportable. There are only five functioning test sets to support 40 radar systems; some portions of the test set can no longer be repaired or procured. Also, the current test set only performs limited checks on the radar's receive systems and does not support the current NWS maintenance concept because its size and weight complicates helicopter transportation to the remote sites. The current RF Monitor Test Set functionality and serviceable quantity will not support acceptance testing for the FS portion of the above-listed modification program. FY07 GWOT Supplemental funds procure a modification that replaces the current portable RF Monitor Test Set with an E2E Tester capability integrated into each FPS-124 radar system. The E2E Tester upgrade is required to support					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS		
Description (continued): the FS modification and radar evaluation requirements. Without the tester current sustainment and functional deficiencies will not be addressed by the maintainers causing gaps in Homeland Defense and the Global War On Terror. Items requested are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMM ELECT MODS
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
COMMELECTMODS													
AIR TRAFFIC CONTROL LANDING SYSTEM (ATCALS)													
TPN-19 MOBILE RADAR APPROACH CONTROL, SHELTER/FLAT PANEL DISPLAYS/FIBER OPTIC MODEM CABLES	A						\$6,200						
MSN-7 MOBILE ATC TOWER RESTORAL VEHICLE COMM SWITCH	A						\$1,700						
NORTH WARNING SYSTEMS (NWS)													
FPS-124 RADAR FREQUENCY SYNTHESIZER (FS)	A						\$7,550						
END-TO-END (E2E) TESTER	A						\$550						
TOTALS:							\$16,000						

Remarks:
Total Cost information is in thousands of dollars.

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2007

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OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

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93	Items Less Than \$5 Million.....	13
97	DARP MRIGS	15

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$9,317																		
<p>Description:</p> <p style="text-align: center;">(Dollars in Thousands)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$9, 317</td> <td style="text-align: center;">\$9,317</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>1. Reconstitutes Night Vision Devices (NVD) for Security Forces Personnel, Prime Base Engineering Emergency Force (BEEF) personnel, and logistics ground support personnel in direct support of OIF and OEF. Funding will procure equipment required for personnel to operate on and around mobility aircraft in minimum lighting conditions in support of aircrew and other operations personnel. Funding will help lower risk during night operations and help ensure mission accomplishment. Procures replacement night vision goggles (NVG). NVGs are deployed to locations where daily use and environmental conditions decrease their life cycle. Warfighters are returning NVD's utilized at these deployed locations either inoperable or destroyed thus reducing the number of operational NVG's available for the next deployment cycle/home-station Force Protection. Night vision equipment lowers risk while operating on and around mobility aircraft in minimum lighting conditions. Prime BEEF members currently have limited use of any type of night vision capability, which significantly restricts safe and efficient mission accomplishment in blackout conditions.</p> <p>2. We are sending USAFE warfighter's "Outside the Wire" without the capability to "Own the Night." Increases in technology, which allows force leaders to "paint" a target area for members to deliver suppressive fire, would be negated if the individual warfighter cannot "see" the "painted" target. Risk to night operations at various locations will remain significantly higher than those conducted using NVGs. The safety of Prime BEEF personnel and other US Forces will be at risk because of the inability to perform the Prime BEEF mission in blackout conditions. Additionally, without this capability, Force Protection and</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$9, 317	\$9,317
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$9, 317	\$9,317																	
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: NIGHT VISION GOGGLES		
Description (continued): perimeter security at home-station and AOR locations are at an unnecessary risk for intrusion thus endangering the defensive capability of Air Force personnel and assets.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: NIGHT VISION GOGGLES
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AN/PVS-15 GROUND CREW GOGGLES	A			1,107	\$9,317				
TOTALS:				1,107	\$9,317				

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 80		PAGE NO: 3	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES						
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	
AN/PVS-15 GROUND CREW GOGGLES										
FY2007	1,107	\$8,416	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/UNKNOWN	Apr-07	Feb-08	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$9,630	\$10,530																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>\$9,630</td> <td>--</td> <td>\$10,530</td> <td>\$10,530</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>Base Procured Equipment (BPE) provides funds for local procurement of equipment costing \$250,000 or more, which is not centrally managed and procured. Requirements are programmed by Air Force Major Air Command as reflected in the P-40A Budget Exhibit. Requirements and priorities are affected by assignment and conversion of new equipment, bed down of new weapon systems, reorganizations, natural disasters, new operational methods to increase efficiency and safety, and energy conservation initiatives. FY07 GWOT requirements include:</p> <p>A. Combat Convoy Trainer: Procures a convoy simulator for critical convoy training, mitigate training shortfalls and potentially save lives. The capability to conduct force-on-force training between two geographically separated units does not currently exist. This system will enable the real-time capability to conduct force-on-force exercises between three installations resulting in realistic and dynamic training not possible through any other means. The USAFE Security Forces Regional Training Center/Creek Defender is responsible for providing ground combat skills training as preparation for personnel deploying in support of AEF taskings. Shortfall on instruction alternatives will inevitably lead to increased loss of life through inexperience, lack of awareness and/or preparedness training. Failure to fund this requirement will result in a continued inability to fully teach convoy operations to the level commensurate with duties in support of OIF/OEF directly impacting the ability to adequately train assigned personnel to respond to hostile threats against protection level one assets.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	\$9,630	--	\$10,530	\$10,530
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
\$9,630	--	\$10,530	\$10,530																	
	P-1 ITEM NO 86		PAGE NO: 5		Page 1 of 3															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT			
Description (continued):					
<p>B. Action Target - Nodular Armored Tactical Combat House: USAFE does not currently have a live-fire combat shoot house training capability within command, severely limiting the quality and applicability of training necessary to meet the unique challenges of Operations IRAQI FREEDOM and ENDURING FREEDOM that this unit frequently supports. Funding this requirement is a must and will directly impact over 13,000 Air Force personnel by providing a new realistic training capability to all USAFE Security Forces (SF) in addition to being available for the training of all Air Force personnel in the Kaiserslautern Military Community. The 786 Security Forces Squadron Combat Arms Section provides recurring and short notice training on all AF weapon systems for proficiency and qualification courses for all Contingency Response Group (CRG) and Readiness Training Center (RTC) personnel. The 786 CRG is the largest and most utilized rapid deployment force in USAFE. This organization provides the Combatant Commander an immediate response capability to any conflict within the European theater of operations. Failure to fund will directly impact the tactical deployment flexibility of the Combatant Commander and severely impact the ability of personnel to support Operations OIF and OEF. If not funded, the 786 SFS would lack the capability to train on current tactical threat situations as identified in numerous after action reports from OIF/OEF. This lack of training capability would directly impact the tactical training ability of USAFE's primary "first in" rapid deployment ground force.</p>					
<p>C. Mobile Aircraft/Structural Fire Trainers: Procures Mobile Aircraft Fire Trainer for Soto Cano AB, Mobile Structural Live Fire Trainer for Avon Park, and a fire training facility for Silver Flag Training Site. Funds are required to ensure firefighters receive mandated aircraft/structural live fire training required for initial and recurring proficiency. Lack of funding will result in non-compliance for military and DOD civilians, local national, and contractor-operated fire department members being certified. The lack of mandated live fire training diminishes fire protection capability and inhibits fire fighters ability to fight and support OIF and Global War on Terrorism Operations.</p>					
<p>D. Action Target Total Containment Bullet Trap: Procures a Bullet Catch system to ensure environmental compliance when conducting required weapons training for over 12,000 personnel from RAF Lakenheath, Mildenhall, Feltwell, Alconbury, and Molesworth. The current earthen backstop poses significant environmental issues and forces remediation of lead costing over \$135K annually and approximately 60 days of range closure adversely affecting weapons qualifications for over 900 personnel. Installation of this bullet catch system will significantly decrease numerous personnel health and safety liabilities from lead dust, increase safety by eliminating ricochets, easy collection and recycling of projectiles, improve range environment. Enables cost free collection and removal by recycling contractor, resulting in increased cost-effectiveness. Failure to fund this bullet trap system will result in environmental factors that will eventually force the range to cease operations due to lead hazards. This will impact small arms training completion rates for RAF Lakenheath, Mildenhall, Feltwell, Alconbury, and Moleworth personnel and severely impact the ability of these personnel to support Operations IRAQI FREEDOM and ENDURING</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT			
Description (continued): FREEDOM. The inability to conduct tactics based training with the existing bullet trap severely limits the quality and versatility to train personnel in live-fire team tactics and military operations on urbanized terrain type operations and will directly result in personnel being unqualified on their weapons and becoming ineligible to deploy. E. Automated Firing Range: Additional automated firing ranges are required to expand the capacity and improve the training program of the Security Forces (SF) Regional Training Center, Creech AFB, NV. In FY07 the maximum size of each Expeditionary Readiness Training (ExpeRT) class will grow from 250 to 300 students. Up to 14 classes will be conducted annually. The increased class size and current OIF missions require upgraded firing ranges to ensure the ExpeRT small arms training program is realistic and relevant. The lack of adequate automated firing ranges negatively impacts the quality and realism of SF pre-deployment training, and jeopardizes both the mission readiness and safety of these troops in theatre. Pre-deployment expeditionary readiness training for SF steadily increase deployment numbers and new missions requiring the RTC to have the right types and quantity of firing ranges.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR COMBAT CMD	A		\$9,200		\$1,700				
US AIR FORCES EUROPE	A		\$430		\$8,830				
TOTALS:			\$9,630		\$10,530				

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: AIR BASE OPERABILITY
---	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$12,500	\$7,200						

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2007
GWOT	Title IX	Supplemental	Total
\$12,500	--	\$7,200	\$7,200

FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

1. Procures robotized mine clearance platforms/support equipment to satisfy the urgent RED HORSE need for standoff capability to clear Unexploded Ordnance (UXO)/anti-personnel mines at austere locations. Mine clearance is a new mission for RED HORSE which emerged during Operation Enduring Freedom (OEF), and this requirement is driven by current/real-world operations. As OEF has continued, Army combat engineers, the primary OSD mine-clearance capability, became over-tasked and Air Force RED HORSE was assigned mine clearance operations. In order to support this new mission, RED HORSE requires a total of 10 Mine Area Clearance Equipment (MACE) systems. Upon gaining this new mine clearance mission, ACC developed the MACE/mine clearance CONOPS, based on Army mine clearance CONOPS and tactics, techniques and procedures (TTP). Based on our success in fielding robotics/stand-off capability to our EOD personnel, the CONOPS is based on conducting mine clearance operations from a safe/stand-off capability - which requires a robotics platform. Each of our three active duty/CONUS RED HORSE squadrons will be authorized two each MACE systems, and we will stage two each systems forward at the one Expeditionary RED HORSE Group (1ERHG) in Kuwait. The command will maintain two each MACE systems as spares/backups. Total RED HORSE MACE requirement = 10 systems.

2. Impact if Funds are Not Provided: Cannot reach FOC at three of our four RED HORSE units/forward operating location, nor achieve initial operating capability at the fourth. Increases risk to our capability to open air bases worldwide. MACE FOC will not be achieved at three of our four RHS, significantly

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: AIR BASE OPERABILITY		
Description (continued): limiting our capability to support airfield opening operations at multiple locations. Funding is required to ensure our RED HORSE squadrons can respond to and support airfield opening missions at multiple locations. Lack of funding places our RED HORSE personnel at risk if tasked to conduct mine clearance without MACE stand-off mine clearance capability. 3. In FY06, Air Base Operations received \$12.5M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Hurricane Recovery, 2006.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: AIR BASE OPERABILITY
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MAN TRANSPORTABLE ROBOTICS SYSTEM (MTRS)	A	83	\$150,602	\$12,500									
MINE AREA CLEARANCE EQUIPMENT	A				7	\$1,028,571	\$7,200						
TOTALS:				\$12,500			\$7,200						

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 88		PAGE NO: 11	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
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	
MAN TRANSPORTABLE ROBOTICS SYSTEM (MTRS)										
FY2006	83	\$150,602	HQ ACC	C/FFP	UNKNOWN	Feb-07	Apr-07	Yes		
MINE AREA CLEARANCE EQUIPMENT										
FY2007	7	\$1,028,571	HQ ACC	C/FFP	UNKNOWN	Apr-07	Feb-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p>										
P-1 ITEM NO 88			PAGE NO: 12			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (BASE SUPPORT EQUIP)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$18,000																		
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$18,000</td> <td style="text-align: center;">\$18,000</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>Fuels Operational Readiness Capability Equipment (FORCE): Procures 10 sets of next generation mobile fuels distribution and dispensing equipment. Supports bare-base, forward aircraft refueling activity for OEF/OIF. The USAF is replacing legacy fuels mobility support equipment (FMSE) with increased refueling capability equipment (FORCE). Current operations are resulting in increased wear of current FMSE. The USAF requirement is now 25 sets for FY07. Funding will accelerate procurement of key fuels distribution equipment to prosecute sortie generation/mobility operations critical to the GWOt. FMSE, if not replaced, will experience greater down time and require intensive maintenance and extensive man-hours to repair. Failure to fund replacement fuels mobility support equipment will increase risk to refueling capability and jeopardize sortie generation/ mobility operations critical to the GWOt. The Fuels Operational Readiness Capability Equipment (FORCE) module is a deployable fuel system that will provide joint capability to fuel aircraft and support equipment at austere locations. The module is capable of receiving, transferring, and issuing fuel at a throughput rate of 900 gallons per minute. The module consists of components that efficiently work in concert to produce the desired throughput. The components include: pumps, aircraft servicing platforms, filter separators, ground servicing platforms, automated tank gauges, and plumbing assemblies. Under this system concept, FORCE is modular and scalable to allow the Air Force to "right size" equipment requirements for each mission.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	--	--	\$18,000	\$18,000
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
--	--	\$18,000	\$18,000																	
	P-1 ITEM NO 93		PAGE NO: 13		Page 1 of 1															

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

DATE: FEBRUARY 2007

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

ITEMS LESS THAN \$5 MILLION (BASE SUPPORT EQUIP)

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (BASE SUPPORT EQUIP)									
FUELS OPERATIONAL READINESS CAPABILITY EQUIP (FORCE)	A			10	\$18,000				
TOTALS:				10	\$18,000				

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
93

PAGE NO:
14

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: DARP MRIGS																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$100,045	\$21,607																		
<p>Description:</p> <p style="padding-left: 40px;">(Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> <td style="width: 25%;">FY 2007</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>\$100,045</td> <td>--</td> <td>\$21,607</td> <td>\$21,607</td> </tr> </table> <p>FY07 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <p>FY07-FY11 - Detailed information on the DARP MRIGS program remains classified and will be provided on a need-to-know basis. For further information, please contact AF/A2ZY, (703) 697-0810.</p>									FY 2006	FY 2007	FY 2007	FY 2007	GWOT	Title IX	Supplemental	Total	\$100,045	--	\$21,607	\$21,607
FY 2006	FY 2007	FY 2007	FY 2007																	
GWOT	Title IX	Supplemental	Total																	
\$100,045	--	\$21,607	\$21,607																	
	P-1 ITEM NO 97		PAGE NO: 15		Page 1 of 1															

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DEPARTMENT OF THE AIR FORCE

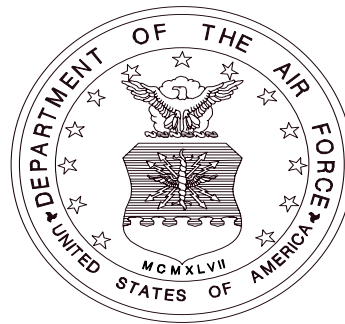
FISCAL YEAR (FY) 2007

GLOBAL WAR ON TERROR SUPPLEMENTAL

RESEARCH, DEVELOPMENT, TEST AND EVALUATION (RDT&E)

DESCRIPTIVE SUMMARIES, BUDGET ACTIVITIES 4, 5 & 7

FEBRUARY 2007



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PROGRAM ELEMENT COMPARISON SUMMARY

INTRODUCTION AND EXPLANATION OF CONTENTS

Program Element

Remarks

BUDGET ACTIVITY 4: ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES (ACD&P)

BUDGET ACTIVITY 5: SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD)

BUDGET ACTIVITY 7: OPERATIONAL SYSTEM DEVELOPMENT

TABLE OF CONTENTS

R-1#	PE	PROGRAM ELEMENT TITLE	PAGE
#4 - Advanced Component Development and Prototypes (ACD&P)			
50	0603850F	Integrated Broadcast Service (DEM/VAL)	1
#5 - System Development and Demonstration (SDD)			
67	0604226F	B-1B	7
79	0604441F	Space Based Infrared Systems (SBIRS) High EMD	13
#7 - Operational System Development			
121	0101113F	B-52 SQUADRONS	19
129	0207131F	A-10 SQUADRONS	25
162	0208006F	Mission Planning Systems	31
199	0305202F	Dragon U-2 (JMIP)	39
200	0305206F	Airborne Reconnaissance Systems	45
201	0305207F	Manned Reconnaissance System	51
203	0305219F	PREDATOR DEVELOPMENT/FIELDING	59
204	0305220F	GLOBAL HAWK DEVELOPMENT/FIELDING	69

ALPHABETICAL LISTING

PROGRAM ELEMENT TITLE	PE	PAGE
A-10 SQUADRONS	0207131F	25
Airborne Reconnaissance Systems	0305206F	45
B-1B	0604226F	7
B-52 SQUADRONS	0101113F	19
Dragon U-2 (JMIP)	0305202F	39
GLOBAL HAWK DEVELOPMENT/FIELDING	0305220F	69
Integrated Broadcast Service (DEM/VAL)	0603850F	1
Manned Reconnaissance System	0305207F	51
Mission Planning Systems	0208006F	31
PREDATOR DEVELOPMENT/FIELDING	0305219F	59
Space Based Infrared Systems (SBIRS) High EMD	0604441F	13

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PE NUMBER: 0603850F

PE TITLE: Integrated Broadcast Service (DEM/VAL)

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603850F Integrated Broadcast Service (DEM/VAL)
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	9.000	0.000	0.000	0.000	0.000	Continuing	TBD
4778 Integrated Broadcast Service	0.000	0.000	9.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Integrated Broadcast Service (IBS) fulfills the warfighter's requirements for threat warning and situational awareness information with timely dissemination of intelligence and information. It also provides target tracking data to support threat avoidance, targeting, force protection, and situational awareness. This information is continually refined by data provided by strategic, operational and tactical sensors. IBS includes a Global IBS Network Server (GINS), a Co-GINS, and four (4) Theater Interface Nodes (TINs) to support the geographic Combatant Commanders; all built to validated warfighter requirements. This request funds the IBS system as described above, which includes spiral development of:

- A Common Interactive Broadcast (CIB) on UHF satellite channel using a Common Message Format (CMF) and a MIL-STD Demand Assigned Multiple Access (DAMA) compliant waveform and Line of Sight (LOS) using the Wideband Networking Waveform (WNW) and Joint Tactical Radio System (JTRS).
- A centralized GINS that receives data from each theater and then integrates this data into a worldwide picture available to all network-connected users.
- 4 regional Co-GINSs, where out-of-theater (and local) users not directly receiving the broadcast can receive the information broadcast on the CIB. Additionally, the TIN will receive and inject data into the CIB for producers without access to the theater CIB.
- A Common Message Format (CMF) Data Element Dictionary (DED) for defining legacy format translation into the CMF in order to broadcast IBS information over available communications paths including the CIB and other Global Information Grid (GIG) networks.
- A Joint Tactical Radio System (JTRS) Modular Advanced TRanslation Interchange with XML (MATRIX) Reformatter

This program is in budget activity 4 because it includes demonstrating and validating the use of technologies to create an operational integrated broadcast service.

FY07 GWOT JUSTIFICATION:

CO-GLOBAL IBS NETWORK SERVER (CO-GINS) Accelerated Delivery - \$5M will deliver CO-GINS, accelerating work planned for FY10-11, however, additional O&M funds and manpower, which have not been planned or budgeted for, are required to fully implement this capability in FY08 and beyond.

NORTHCOM THEATER IBS NODE (TIN) Accelerated Delivery - Accelerate delivery of TIN by up to 4 years, provides direct support for tailorable intelligence dissemination capability for COCOM.

RAPID INTEGRATED BROADCAST SERVICE MESSAGING UPDATES - Update IBS dissemination system 3 times during the year to capitalize on emergent data sources, requirements and implement updates for known translation deficiencies. Allows operators at all levels to receive intelligence feeds from multiple sources.

Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE			PROJECT NUMBER AND TITLE		
04 Advanced Component Development and Prototypes (ACD&P)				0603850F Integrated Broadcast Service (DEM/VAL)			4778 Integrated Broadcast Service		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4778 Integrated Broadcast Service	0.000	0.000	9.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

The Integrated Broadcast Service (IBS) fulfills the warfighter's requirements for threat warning and situational awareness information with timely dissemination of intelligence and information. It also provides target tracking data to support threat avoidance, targeting, force protection, and situational awareness. This information is continually refined by data provided by strategic, operational and tactical sensors. IBS includes a Global IBS Network Server (GINS), a Co-GINS, and four (4) Theater Interface Nodes (TINs) to support the geographic Combatant Commanders; all built to validated warfighter requirements. This request funds the IBS system as described above, which includes spiral development of:

- A Common Interactive Broadcast (CIB) on UHF satellite channel using a Common Message Format (CMF) and a MIL-STD Demand Assigned Multiple Access (DAMA) compliant waveform and Line of Sight (LOS) using the Wideband Networking Waveform (WNW) and Joint Tactical Radio System (JTRS).
- A centralized GINS that receives data from each theater and then integrates this data into a worldwide picture available to all network-connected users.
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- A Common Message Format (CMF) Data Element Dictionary (DED) for defining legacy format translation into the CMF in order to broadcast IBS information over available communications paths including the CIB and other Global Information Grid (GIG) networks.
- A Joint Tactical Radio System (JTRS) Modular Advanced TRanslation Interchange with XML (MATRIX) Reformatter

This program is in budget activity 4 because it includes demonstrating and validating the use of technologies to create an operational integrated broadcast service.

FY07 GWOT JUSTIFICATION:

CO-GLOBAL IBS NETWORK SERVER (CO-GINS) Accelerated Delivery - \$5M will deliver CO-GINS, accelerating work planned for FY10-11, however, additional O&M funds and manpower, which have not been planned or budgeted for, are required to fully implement this capability in FY08 and beyond.

NORTHCOM THEATER IBS NODE (TIN) Accelerated Delivery - Accelerate delivery of TIN by up to 4 years, provides direct support for tailorable intelligence dissemination capability for COCOM.

RAPID INTEGRATED BROADCAST SERVICE MESSAGING UPDATES - Update IBS dissemination system 3 times during the year to capitalize on emergent data sources, requirements and implement updates for known translation deficiencies. Allows operators at all levels to receive intelligence feeds from multiple sources.

R-1 Line Item No. 50

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Project 4778

Exhibit R-2a (PE 0603850F)

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Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603850F Integrated Broadcast Service (DEM/VAL)	PROJECT NUMBER AND TITLE 4778 Integrated Broadcast Service
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(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) CO-GLOBAL IBS NETWORK SERVER (CO-GINS) Accelerated Delivery			5.000
(U) NORTHCOM TIN Accelerated Delivery			3.000
(U) Translation Message Capability			1.000
(U) Total Cost	0.000	0.000	9.000

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>		<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
		<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) **D. Acquisition Strategy**

IBS used an evolutionary acquisition approach with a Program Definition/Risk Reduction phase (Spiral 1), followed by a full and open competition award to BTG/Titan/L-3Comm to complete the Engineering, Manufacturing and Development (EMD) phase.

(U) **E. Major Performers**

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) L3-Titan	Reston, VA	Accelerated Design and Build of CO-GINS and NORTHCOM TIN and continuing IBS Translation Messaging Updates	Jun-07

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Exhibit R-3, RDT&E Project Cost Analysis								DATE February 2007			
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)					PE NUMBER AND TITLE 0603850F Integrated Broadcast Service (DEM/VAL)			PROJECT NUMBER AND TITLE 4778 Integrated Broadcast Service			
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06 GWOT Cost</u>	<u>FY06 GWOT Award Date</u>	<u>FY07 Title IX Cost</u>	<u>FY07 Title IX Award Date</u>	<u>FY07 GWOT Cost</u>	<u>Cost to Complete Award Date</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> CO-GLOBAL IBS NETWORK SERVER (CO-GINS)	C/CPAF	BTG, Inc./Titan/L-3 Comm (Reston, VA)						5.000	Continuing	TBD	
NORTHCOM TIN and Translation Message Capability	C/CPAF	BTG, Inc./Titan/L-3 Comm (Reston, VA)						4.000	Continuing	TBD	TBD
Subtotal Product Development Remarks:			0.000	0.000		0.000		9.000	Continuing	TBD	TBD
(U) <u>Support</u> Subtotal Support Remarks:			0.000	0.000		0.000		0.000	0.000	0.000	0.000
(U) <u>Test & Evaluation</u> Subtotal Test & Evaluation Remarks:			0.000	0.000		0.000		0.000	0.000	0.000	0.000
(U) <u>Management</u> Subtotal Management Remarks:			0.000	0.000		0.000		0.000	0.000	0.000	0.000
(U) Total Cost			0.000	0.000		0.000		9.000	Continuing	TBD	TBD

Project 4778

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Page-4 of 6

Exhibit R-3 (PE 0603850F)

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Exhibit R-4, RDT&E Schedule Profile

DATE
February 2007

BUDGET ACTIVITY
04 Advanced Component Development and Prototypes (ACD&P)

PE NUMBER AND TITLE
0603850F Integrated Broadcast Service (DEM/VAL)

PROJECT NUMBER AND TITLE
4778 Integrated Broadcast Service

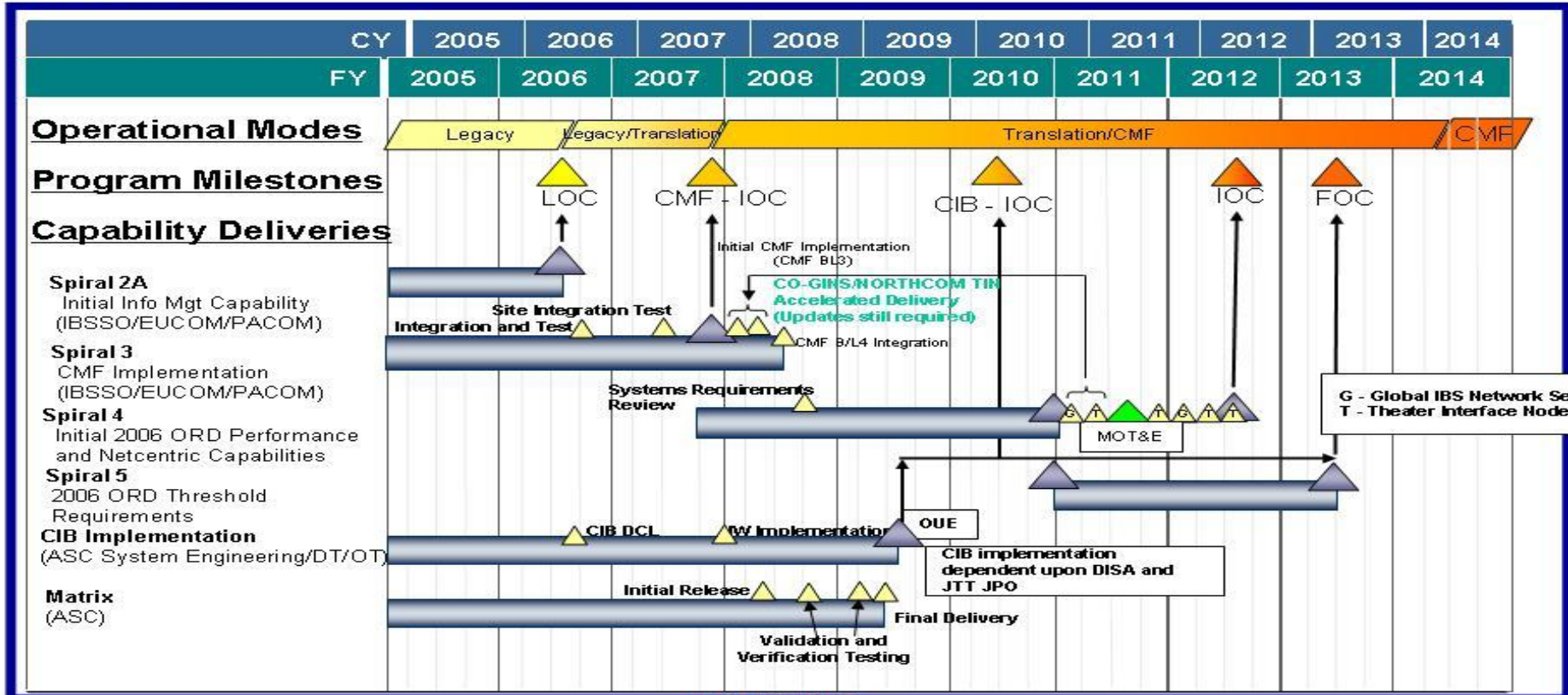


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Acquisition Schedule

U.S. AIR FORCE



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Exhibit R-4a, RDT&E Schedule Detail		DATE	
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0603850F Integrated Broadcast Service (DEM/VAL)	PROJECT NUMBER AND TITLE 4778 Integrated Broadcast Service	
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) CO-GINS and NORTHCOM TIN Accelerated Delivery/Translation Messaging Update Development			3-4Q

Project 4778

R-1 Line Item No. 50
Page-6 of 6

Exhibit R-4a (PE 0603850F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604226F B-1B
--	--

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	17.030	0.000	0.000	0.000	0.000	Continuing	TBD
4596 Conventional Mission Upgrades	0.000	0.000	17.030	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

USCENTAF formally identified an urgent need request (UNR) to install an ATP on the B-1B to provide positive target identification, generate precision coordinates, provide a downlink to the remote operations video enhanced receiver (ROVER), employ precision guided weapons, and expand the B-1B's non-traditional intelligence, surveillance and reconnaissance (ISR) capability in order to support ongoing operations in the CENTCOM AOR.

The B-1B System Program Office (SPO) will continue the integration of the advanced targeting pod (ATP) on the B-1B aircraft that was initiated with a \$25M Congressional add in FY05 for forward looking infrared (FLIR) and data link upgrades. These \$17.03M GWOT funds will provide the B-1 the capability to perform positive identification of targets on the ground from medium altitude via targeting pod. Data will be displayed on a laptop computer. Additionally, funds will provide a downlink to ROVER and certify GBU-31 and GBU-38 weapons for employment with B-1B ATP.

Based on CENTCOM's AOR rules of engagement to provide positive target identification the B-1B can acquire this capability to provide positive target identification with these additional funds. Furthermore, this integration will provide the B-1B a capability to generate precision targeting coordinates that will significantly enhance the aircraft's targeting and weapon delivery capability.

USCENTAF UNR (Jul 06), USCENTAF combat mission need statement (CMNS) (Aug 03), and a combined joint task force (CJTF)-180 operational needs statement (ONS) all require B-1Bs to positively identify targets. The capability provided by an integrated targeting pod will significantly reduce the tactical air controller's talk-on time thus enhancing the B-1B's combat capability. This integration will also improve the B-1B's ability to autonomously obtain positive identification of targets, reduce the chance of fratricide, and limit collateral damage.

FY07 TITLE IX JUSTIFICATION:

FY07 GWOT JUSTIFICATION:

The B-1B is a major contributor to GWOT flying daily contingency operation missions in the CENTCOM AOR and will continue for the foreseeable future. GWOT operations have developed a specific requirement for aircraft to work in close coordination with ground troops to detect and destroy enemy targets and minimize collateral damage. Kill chain timing is critical and the B-1B's limited on-board sensors can cause delay. In the last 3 months, there have been 81 documented cases when a B-1B was the "on-station" aircraft but unable to support a joint tactical air support request due to its inability to positively identify a target. ATP-equipped B-1Bs will reduce fratricide and collateral damage by providing positive target identification and enhance non-traditional ISR.

Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604226F B-1B			PROJECT NUMBER AND TITLE 4596 Conventional Mission Upgrades		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4596 Conventional Mission Upgrades	0.000	0.000	17.030	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**

USCENTAF formally identified an urgent need request (UNR) to install an ATP on the B-1B to provide positive target identification, generate precision coordinates, provide a downlink to the remote operations video enhanced receiver (ROVER), employ precision guided weapons, and expand the B-1B's non-traditional intelligence, surveillance and reconnaissance (ISR) capability in order to support ongoing operations in the CENTCOM AOR.

The B-1B System Program Office (SPO) will continue the integration of the advanced targeting pod (ATP) on the B-1B aircraft that was initiated with a \$25M Congressional add in FY05 for forward looking infrared (FLIR) and data link upgrades. These \$17.03M GWOT funds will provide the B-1 the capability to perform positive identification of targets on the ground from medium altitude via targeting pod. Data will be displayed on a laptop computer. Additionally, funds will provide a downlink to ROVER and certify GBU-31 and GBU-38 weapons for employment with B-1B ATP.

Based on CENTCOM's AOR rules of engagement to provide positive target identification the B-1B can acquire this capability to provide positive target identification with these additional funds. Furthermore, this integration will provide the B-1B a capability to generate precision targeting coordinates that will significantly enhance the aircraft's targeting and weapon delivery capability.

USCENTAF UNR (Jul 06), USCENTAF combat mission need statement (CMNS) (Aug 03), and a combined joint task force (CJTF)-180 operational needs statement (ONS) all require B-1Bs to positively identify targets. The capability provided by an integrated targeting pod will significantly reduce the tactical air controller's talk-on time thus enhancing the B-1B's combat capability. This integration will also improve the B-1B's ability to autonomously obtain positive identification of targets, reduce the chance of fratricide, and limit collateral damage.

FY07 TITLE IX JUSTIFICATION:

FY07 GWOT JUSTIFICATION:

The B-1B is a major contributor to GWOT flying daily contingency operation missions in the CENTCOM AOR and will continue for the foreseeable future. GWOT operations have developed a specific requirement for aircraft to work in close coordination with ground troops to detect and destroy enemy targets and minimize collateral damage. Kill chain timing is critical and the B-1B's limited on-board sensors can cause delay. In the last 3 months, there have been 81 documented cases when a B-1B was the "on-station" aircraft but unable to support a joint tactical air support request due to its inability to positively identify a target. ATP-equipped B-1Bs will reduce fratricide and collateral damage by providing positive target identification and enhance non-traditional ISR.

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Project 4596

Exhibit R-2a (PE 0604226F)

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Exhibit R-2a, RDT&E Project Justification		DATE February 2007																																																		
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604226F B-1B	PROJECT NUMBER AND TITLE 4596 Conventional Mission Upgrades																																																		
<p>(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:70%;"></th> <th style="text-align: right;"><u>FY06 GWOT</u></th> <th style="text-align: right;"><u>FY07 Title IX</u></th> <th style="text-align: right;"><u>FY07 GWOT</u></th> </tr> </thead> <tbody> <tr> <td>(U) Continue Advanced Targeting Pod (ATP) Integration efforts</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">17.030</td> </tr> <tr> <td>(U) Total Cost</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">0.000</td> <td style="text-align: right;">17.030</td> </tr> </tbody> </table> <p>(U) <u>C. Other Program Funding Summary (\$ in Millions)</u></p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;"></th> <th style="text-align: center;"><u>FY06 GWOT</u></th> <th style="text-align: center;"><u>FY07 Title IX</u></th> <th style="text-align: center;"><u>FY07 GWOT</u></th> <th style="text-align: center;"><u>FY 2008</u></th> <th style="text-align: center;"><u>FY 2009</u></th> <th style="text-align: center;"><u>FY 2010</u></th> <th style="text-align: center;"><u>FY 2011</u></th> <th style="text-align: center;"><u>Cost to</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> <tr> <td></td> <th style="text-align: center;"><u>Actual</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Estimate</u></th> <th style="text-align: center;"><u>Complete</u></th> <th style="text-align: center;"><u>Total Cost</u></th> </tr> </thead> <tbody> <tr> <td>(U) Appn 10, PE 0101126F, B-1B, Aircraft Procurement BP11, Mods</td> <td></td> <td></td> <td style="text-align: right;">6.880</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td style="text-align: right;">6.880</td> </tr> </tbody> </table> <p>(U) <u>D. Acquisition Strategy</u> (U) Key elements of the overall ATP acquisition strategy include: use of a sole source contract with a prime/integrating contractor (Boeing); use of cost plus fixed fee (CPFF) development contract; and combining developmental upgrades with software sustainment blocks to minimize the number of software releases, aircraft downtime and differences in fielded configurations.</p> <p>(U) <u>E. Major Performers</u> (Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)</p> <table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:30%;"><u>Name/Title</u></th> <th style="width:30%;"><u>Location</u></th> <th style="width:30%;"><u>Work</u></th> <th style="width:10%;"><u>Projected Award Date</u></th> </tr> </thead> <tbody> <tr> <td>(U) None</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>				<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	(U) Continue Advanced Targeting Pod (ATP) Integration efforts	0.000	0.000	17.030	(U) Total Cost	0.000	0.000	17.030		<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>		<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	<u>Total Cost</u>	(U) Appn 10, PE 0101126F, B-1B, Aircraft Procurement BP11, Mods			6.880						6.880	<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>	(U) None			
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(U) None																																																				
Project 4596	R-1 Line Item No. 67 Page-3 of 6	Exhibit R-2a (PE 0604226F)																																																		

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604226F B-1B	PROJECT NUMBER AND TITLE 4596 Conventional Mission Upgrades
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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY06</u> <u>GWOT</u> <u>Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
				<u>GWOT</u> <u>Cost</u>	<u>GWOT</u> <u>Award Date</u>	<u>IX</u> <u>Cost</u>	<u>IX</u> <u>Award Date</u>	<u>GWOT</u> <u>Cost</u>	<u>Complete</u> <u>Award Date</u>		
(U) <u>Product Development</u>											
(U) Advanced Targeting Pod	SS/CPFF							17.030		17.030	0.000
Subtotal Product Development			0.000	0.000		0.000		17.030	0.000	17.030	0.000
Remarks:											
(U) <u>Support</u>											
Subtotal Support			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u>											
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Management</u>											
Subtotal Management			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) Total Cost			0.000	0.000		0.000		17.030	0.000	17.030	0.000

Project 4596

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Exhibit R-3 (PE 0604226F)

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2007

BUDGET ACTIVITY

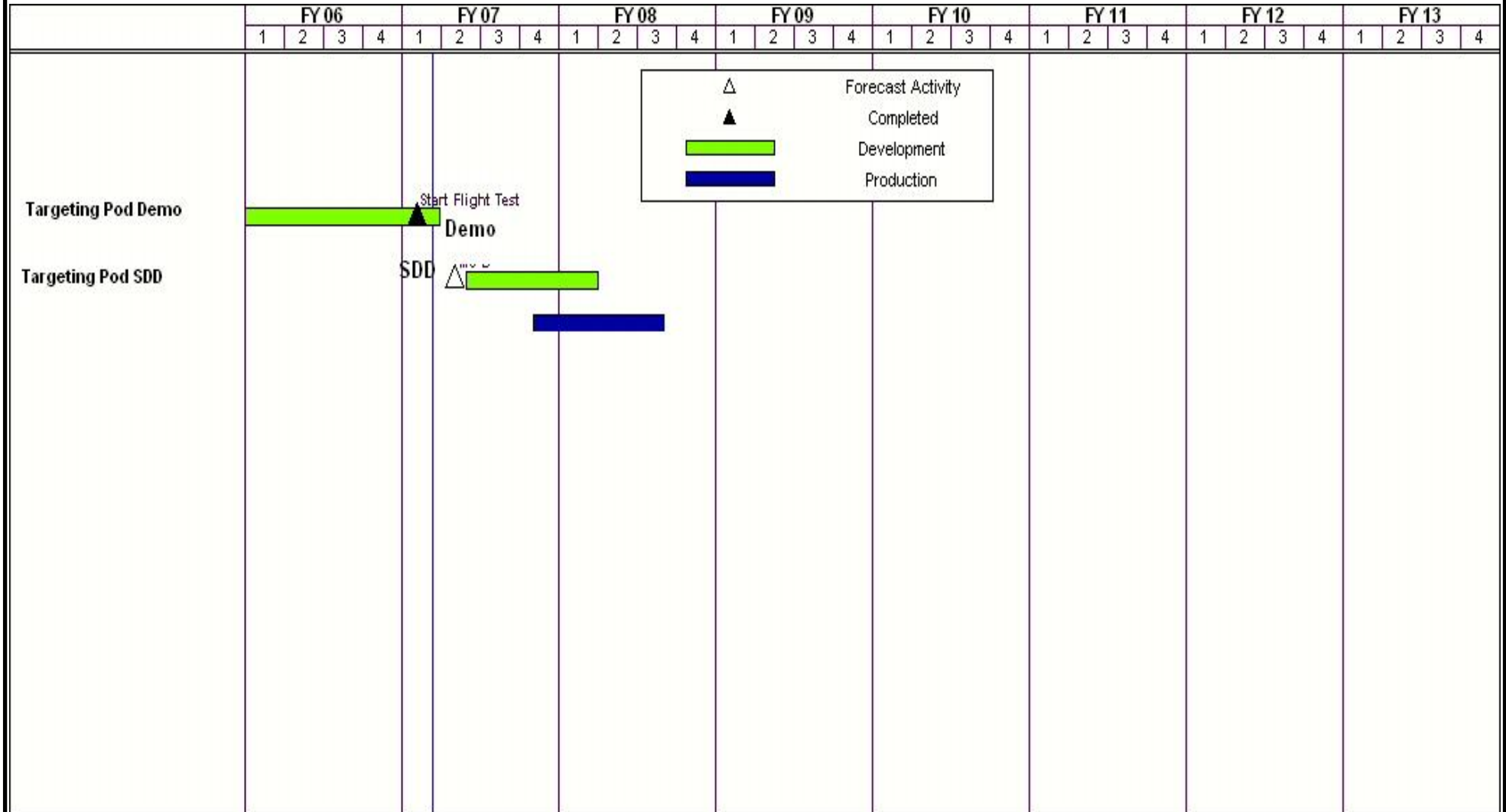
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604226F B-1B

PROJECT NUMBER AND TITLE

4596 Conventional Mission Upgrades



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Project 4596

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Exhibit R-4a, RDT&E Schedule Detail		DATE February 2007
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604226F B-1B	PROJECT NUMBER AND TITLE 4596 Conventional Mission Upgrades
<p>(U) <u>Schedule Profile</u></p> <p>(U) Advanced Targeting Pod -- Contract Award</p> <p>(U) Advanced Targeting Pod -- CDR</p> <p>(U) Advanced Targeting Pod -- FRP</p> <p>(U) Advanced Targeting Pod -- DT&E/OT&E</p>	<p align="center"><u>FY06 GWOT</u></p>	<p align="center"><u>FY07 Title IX</u></p> <p align="center"><u>FY07 GWOT</u></p> <p align="right">2Q</p> <p align="right">3Q</p> <p align="right">4Q</p> <p align="right">4-1Q</p>

Project 4596

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Exhibit R-4a (PE 0604226F)

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PE NUMBER: 0604441F

PE TITLE: Space Based Infrared Systems (SBIRS) High EMD

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604441F Space Based Infrared Systems (SBIRS) High EMD
--	---

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	2.000	0.000	0.000	0.000	0.000	Continuing	TBD
3616 SBIRS High Element EMD	0.000	0.000	2.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

(U) The Space-Based Infrared System's (SBIRS) primary mission is to provide initial warning of a ballistic missile attack on the US, its deployed forces, and its allies. SBIRS will incorporate new technologies to enhance detection and improve reporting of intercontinental ballistic missile launches, submarine launched ballistic missile launches, and tactical ballistic missile launches. SBIRS supports Missile Defense, Battlespace Awareness and Technical Intelligence missions by providing reliable, accurate, and timely data to Unified Combatant Commanders, Joint Task Force (JTF) Commanders, the intelligence community, and other users. SBIRS provides increased detection and tracking performance in order to meet requirements in US Space Command's Capstone Requirements Document and Air Force Space Command's Operational Requirements Document. SBIRS will consist of satellites in Geosynchronous Earth Orbit (GEO), payloads hosted on satellites in Highly Elliptical Orbit (HEO), an integrated centralized ground station serving all SBIRS space elements, Defense Support Program (DSP) satellites, and other related support activities.

FY07 GWOT JUSTIFICATION: (U) Provides for Space Based Infrared System (SBIRS) software capability to rapidly detect and characterize events supporting in-theater Combat Search and Rescue (CSAR) operations. This capability enables SBIRS to quickly detect, recognize, and report events which enable rapid CSAR response. Currently, this function requires off-line, manpower-intensive operations and lacks the timeliness required for responding life-threatening situations. This capability automates this function and integrates it into the SBIRS mission control station operational software.

(U) This program is assigned to Budget Activity 5, System Development and Demonstration (SDD), because it funds the development activities for the SBIRS High program.

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
--	------------------------------

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0604441F Space Based Infrared Systems (SBIRS) High EMD			PROJECT NUMBER AND TITLE 3616 SBIRS High Element EMD		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3616 SBIRS High Element EMD	0.000	0.000	2.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

(U) The Space-Based Infrared System's (SBIRS) primary mission is to provide initial warning of a ballistic missile attack on the US, its deployed forces, and its allies. SBIRS will incorporate new technologies to enhance detection and improve reporting of intercontinental ballistic missile launches, submarine launched ballistic missile launches, and tactical ballistic missile launches. SBIRS supports Missile Defense, Battlespace Awareness and Technical Intelligence missions by providing reliable, accurate, and timely data to Unified Combatant Commanders, Joint Task Force (JTF) Commanders, the intelligence community, and other users. SBIRS provides increased detection and tracking performance in order to meet requirements in US Space Command's Capstone Requirements Document and Air Force Space Command's Operational Requirements Document. SBIRS will consist of satellites in Geosynchronous Earth Orbit (GEO), payloads hosted on satellites in Highly Elliptical Orbit (HEO), an integrated centralized ground station serving all SBIRS space elements, Defense Support Program (DSP) satellites, and other related support activities.

FY07 GWOT JUSTIFICATION: (U) Provides for Space Based Infrared System (SBIRS) software capability to rapidly detect and characterize events supporting in-theater Combat Search and Rescue (CSAR) operations. This capability enables SBIRS to quickly detect, recognize, and report events which enable rapid CSAR response. Currently, this function requires off-line, manpower-intensive operations and lacks the timeliness required for responding life-threatening situations. This capability automates this function and integrates it into the SBIRS mission control station operational software.

(U) This program is assigned to Budget Activity 5, System Development and Demonstration (SDD), because it funds the development activities for the SBIRS High program.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Develop SBIRS Combat Search and Rescue (CSAR) Theater Support automation software module for SBIRS Mission Control Station			1.700
(U) Continue System Program Office Support.			0.200
(U) Continue technical analysis and independent verification and validation of contractor by Federally Funded Research and Development Center (FFRDC).			0.100
(U) Total Cost	0.000	0.000	2.000

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Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604441F Space Based Infrared Systems (SBIRS) High EMD	PROJECT NUMBER AND TITLE 3616 SBIRS High Element EMD
--	---	---

(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to Complete</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>		
(U) FY07 GWOT Supplemental			2.000						2.000
(U) MPAF (PE 0305915F, BA-05, P-30)	0.000								
(U) Other Procurement (PE 0305915F, BA-03, P-61)	3.640								3.640
(U) Related RDT&E:									

(U) D. Acquisition Strategy

The pre-SDD SBIRS contracts were competed in full and open competition. Two contracts were awarded to Lockheed/Loral/Aerojet and Hughes/TRW in 1995 for the pre-SDD phase. A single contract was awarded to Lockheed Martin in 1996 for the SDD phase.

(U) E. Major Performers

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U)			

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Exhibit R-3, RDT&E Project Cost Analysis								DATE			
								February 2007			
BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
05 System Development and Demonstration (SDD)				0604441F Space Based Infrared Systems (SBIRS) High EMD				3616 SBIRS High Element EMD			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	Contract Method & Type	Performing Activity & Location	Total Prior to FY06 GWOT Cost	FY06 GWOT Cost	FY06 GWOT Award Date	FY07 Title IX Cost	FY07 Title IX Award Date	FY07 GWOT Cost	Cost to Complete Award Date	Total Cost	Target Value of Contract
(U) <u>Product Development</u> FY07 GWOT Supplemental SBIRS CSAR contract modification	CPAF	Lockheed Martin, Sunnyvale, CA						2.000		2.000	2.000
Subtotal Product Development			0.000	0.000		0.000		2.000	0.000	2.000	2.000
Remarks:											
(U) <u>Support</u>										0.000	0.000
Subtotal Support			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u> Not Applicable										0.000	0.000
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Management</u>										0.000	0.000
Subtotal Management			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) Total Cost			0.000	0.000		0.000		2.000	0.000	2.000	2.000

Project 3616

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Exhibit R-3 (PE 0604441F)

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Exhibit R-4, RDT&E Schedule Profile

DATE

February 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604441F Space Based Infrared Systems (SBIRS) High EMD

PROJECT NUMBER AND TITLE

3616 SBIRS High Element EMD






Feb	Mar	Apr	May	Jun	Jul	Aug
 Contract Mod	 PDR		 CDR		 OUE	 IOC

Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)		PROJECT NUMBER AND TITLE 3616 SBIRS High Element EMD
PE NUMBER AND TITLE 0604441F Space Based Infrared Systems (SBIRS) High EMD		DATE February 2007
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) Award SBIRS Combat Search and Rescue		<u>FY07 GWOT</u> 2Q
(U) CSAR PDR		2Q
(U) CSAR CDR		3Q
(U) Delive automatic CSAR capability		4Q

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS
--	--

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	24.500	0.000	0.000	0.000	0.000	Continuing	24.500
5039 B-52 Modernization	0.000	0.000	24.500	0.000	0.000	0.000	0.000	Continuing	24.500

(U) A. Mission Description and Budget Item Justification

B-52 Advanced Targeting Pod (ATP)
 FY07 GWOT JUSTIFICATION

The B-52 ATP GWOT requirement continues research and development to integrate either of the current targeting pods (Litening or Sniper) on the B-52, and accelerates this capability to FY08. The B-52 can currently carry only the Litening AT targeting pod but there is no integration between the pod and other aircraft sensors. This increases the time to react and lengthens the F2T2EA (Find, fix, Track, Target, Engage, Assess) kill chain. It also increases the possibility of a critical error.

B-52 ATP is a critical requirement that will increase the lethality of the B-52 in the Global War on Terror. It will shorten the F2T2EA kill chain allowing the B-52 to engage time critical target rapidly, accurately and reliably.

B-52 ATP development efforts will add advanced targeting pod functionality (sensor upgrades, improved FLIR and Camouflage, Concealment & Deception (CCD) optics, ISR, increased range, multi-target cueing, eye safe laser capabilities) using the Alternate Mission Equipment (AME) procured in MN-4260. The B-52 AME consists of a Microsoft Windows XP based workstation flat panel display with bezel keys and a track handle unit. Upgrades to unsupportable training devices and the system integration lab will provide aircrew-training equipment with the latest B-52 capabilities. In addition, development efforts will fully integrate the ATP by linking control, display and target geo-location with the B-52s offensive avionics system.

Advanced functionality will provide the capability to autonomously find, fix, track, target, engage and assess targets; minimize the risk of fratricide; and improve battle damage assessment. The fully integrated targeting pod will also give the B-52 the capability to remove target location error and generate target coordinates for J-series weapons. With this modification, the B-52 can more effectively use its range and loiter time in support combatant commander operational plans.

The ATP development will fund test activities at the Air Force Flight Test Center (AFFTC); related to testing the AME and the advanced targeting pod functionality.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System.

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Exhibit R-2a, RDT&E Project Justification							DATE February 2007			
BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0101113F B-52 SQUADRONS			PROJECT NUMBER AND TITLE 5039 B-52 Modernization			
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total	
5039 B-52 Modernization	0.000	0.000	24.500	0.000	0.000	0.000	0.000	Continuing	24.500	
Quantity of RDT&E Articles	0	0	0	0	0	0	0			

(U) **A. Mission Description and Budget Item Justification**
 B-52 Advanced Targeting Pod (ATP)
 FY07 GWOT JUSTIFICATION
 The B-52 ATP GWOT requirement continues research and development to integrate either of the current targeting pods (Litening or Sniper) on the B-52, and accelerates this capability to FY08. The B-52 can currently carry only the Litening AT targeting pod but there is no integration between the pod and other aircraft sensors. This increases the time to react and lengthens the F2T2EA (Find, fix, Track, Target, Engage, Assess) kill chain. It also increases the possibility of a critical error.

B-52 ATP is a critical requirement that will increase the lethality of the B-52 in the Global War on Terror. It will shorten the F2T2EA kill chain allowing the B-52 to engage time critical target rapidly, accurately and reliably.

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Advanced functionality will provide the capability to autonomously find, fix, track, target, engage and assess targets; minimize the risk of fratricide; and improve battle damage assessment. The fully integrated targeting pod will also give the B-52 the capability to remove target location error and generate target coordinates for J-series weapons. With this modification, the B-52 can more effectively use its range and loiter time in support combatant commander operational plans.

The ATP development will fund test activities at the Air Force Flight Test Center (AFFTC); related to testing the AME and the advanced targeting pod functionality.

The B-52 is an operational system resulting in this program being budget activity 7 - Operational System.

Project 5039

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Exhibit R-2a (PE 0101113F)

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Exhibit R-2a, RDT&E Project Justification		DATE February 2007		
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0101113F B-52 SQUADRONS		PROJECT NUMBER AND TITLE 5039 B-52 Modernization
(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>		<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Product Development				9.000
(U) Simulation/Trainer Development				2.500
(U) Government Test				7.000
(U) Program Support/Modeling and Simulation/Studies and Analysis				5.000
(U) Management Support				1.000
(U) Total Cost		0.000	0.000	24.500
(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>				
	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	
			<u>FY 2008</u>	<u>FY 2009</u>
			<u>Estimate</u>	<u>Estimate</u>
			<u>FY 2010</u>	<u>FY 2011</u>
			<u>Estimate</u>	<u>Estimate</u>
				<u>Cost to</u>
				<u>Complete</u>
				<u>Total Cost</u>
(U) Appn 36, PE 010113F, B52 Squadrons, Modernization BP29			0.000	0.000
(U) Other APPN				0.000
(U) Appn 10, PE 010113F, B52 Squadrons, Aircraft Procurement BP11, Mods			0.000	0.000
(U) <u>D. Acquisition Strategy</u>	B-52 targeting pod effort will use existing contracts to obligate funding.			
(U) <u>E. Major Performers</u>	(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)			
	<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) N/A for this exercise				

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
07 Operational System Development				0101113F B-52 SQUADRONS				5039 B-52 Modernization			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06 GWOT Cost</u>	<u>FY06 GWOT Award Date</u>	<u>FY07 Title IX Cost</u>	<u>FY07 Title IX Award Date</u>	<u>FY07 GWOT Cost</u>	<u>Cost to Complete Award Date</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> Software	CPFF	Boeing, Wichita KS						9.000		9.000	
Subtotal Product Development			0.000	0.000		0.000		9.000	0.000	9.000	0.000
Remarks:	Use B-52 SWING contract for advanced functions, deficiency report fixes, tech order development, and minor hardware (as required)										
(U) <u>Support</u> Simulator/Trainer	616	509 MASSG, OO-ALC, UT						2.000		2.000	
SIL Upgrades	Contract	Boeing, Wichita KS						0.500		0.500	
Pod	TBD	TBD						5.000		5.000	
Subtotal Support			0.000	0.000		0.000		7.500	0.000	7.500	0.000
Remarks:											
(U) <u>Test & Evaluation</u> 419 FLTS	Project Order							7.000		7.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		7.000	0.000	7.000	0.000
Remarks:	Includes weapons required for test										
(U) <u>Management</u> 327 ACSG		Tinker AFB, OK						1.000		1.000	
Subtotal Management			0.000	0.000		0.000		1.000	0.000	1.000	0.000
Remarks:											
(U) Total Cost			0.000	0.000		0.000		24.500	0.000	24.500	0.000

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Project 5039

Exhibit R-3 (PE 0101113F)

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Exhibit R-4, RDT&E Schedule Profile

DATE

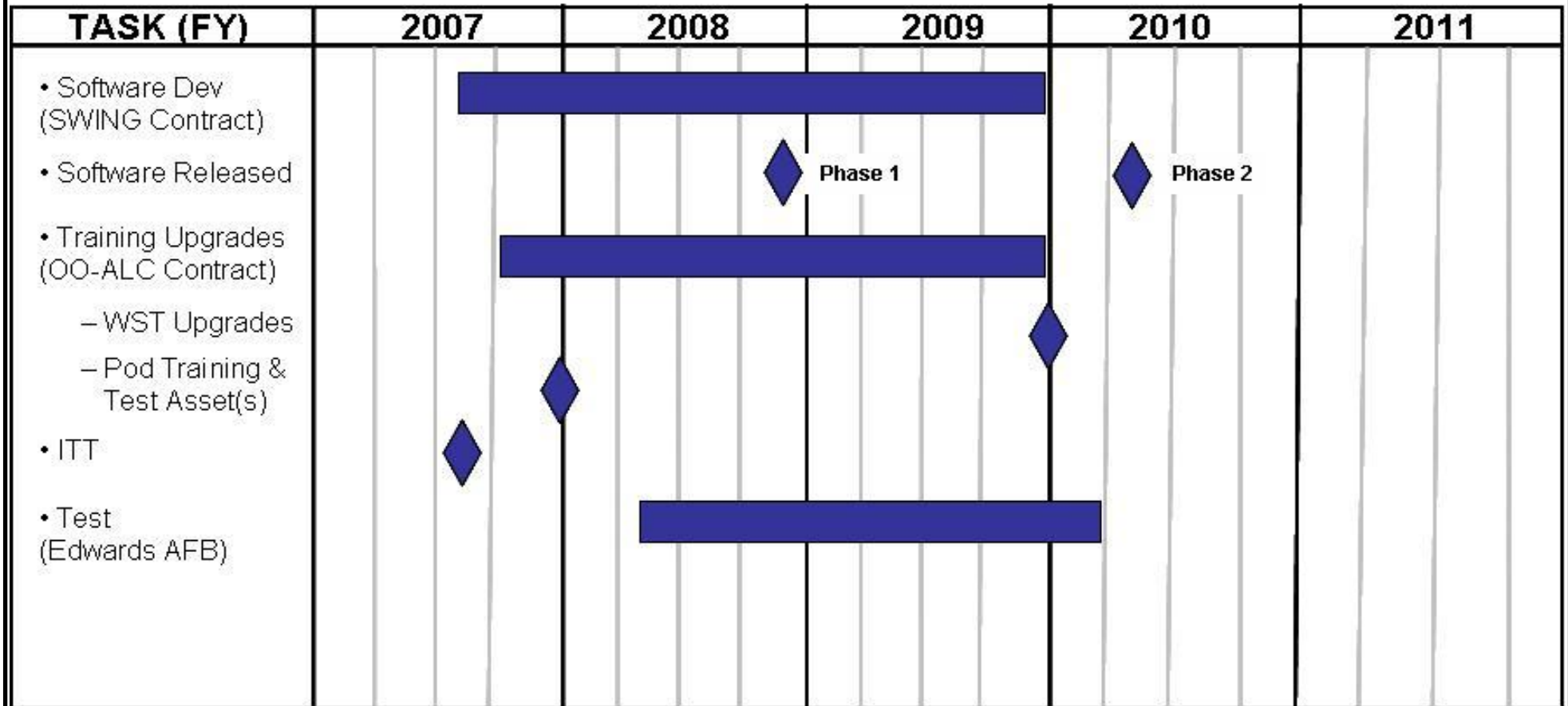
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0101113F B-52 SQUADRONS

PROJECT NUMBER AND TITLE
5039 B-52 Modernization

B-52 Advanced Targeting Pod Timeline



R-1 Line Item No. 121
Page-5 of 6

Project 5039

Exhibit R-4 (PE 0101113F)

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Exhibit R-4a, RDT&E Schedule Detail

DATE

February 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101113F B-52 SQUADRONS	PROJECT NUMBER AND TITLE 5039 B-52 Modernization
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(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Software			3Q
(U) SIM/Trainer			4Q
(U) Test			4Q
(U) Other Support			2Q

Project 5039

R-1 Line Item No. 121

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Exhibit R-4a (PE 0101113F)

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PE NUMBER: 0207131F
 PE TITLE: A-10 SQUADRONS

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207131F A-10 SQUADRONS
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	10.000	0.000	0.000	0.000	0.000	Continuing	TBD
4809 A-10 Squadrons (PUP)	0.000	0.000	10.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The concept of operations for the A/OA-10 requires an agile and survivable weapon system that provides close-air support, combat search and rescue, and special operations support.

The high operations tempo maintained by the Expeditionary Air Force requires that each combat platform exhibit the flexibility to effectively perform in a variety of operational roles. To implement these strategies, Combat Air Forces (CAF) must be able to conduct air operations around-the-clock under various weather conditions against numerous enemy threats employing a full spectrum of air defense systems to include countermeasures.

The A/OA-10 is an essential component of successful air operations, and represents a significant percentage of the CAF force structure with 356 aircraft in service. The weapon system's attributes include excellent low speed maneuverability, high weapons payload, long loiter time, very high tolerance to battle damage, and the lowest cost per flying hour of any CAF fighter. As demonstrated during the Persian Gulf War, it is the Air Force's most effective Close Air Support (CAS) and anti-armor platform.

FY 2007 GWOT JUSTIFICATION

URBAN CAS LOW COLLATERAL DAMAGE MUNITIONS (HELLFIRE II)

A-10 requires the AGM-114 Hellfire missile which provides unique effects, specifically: low-collateral damage, all-altitude, point-shoot, non-coordinate, minimum range capability, short time-of-flight, all altitude capable, small weapon capability, precision guided, and jointly interoperable if able. \$10M of funding supports full envelope (speed, acceleration and altitude) certification of Hellfire missile carriage on A-10. Lessons from GWOT efforts have reiterated the need for weapons (Hellfire II) which provide flexible force application.

The integration of the AGM-114 Hellfire missile, which incorporates elements of danger-close, troops-in-contact, Urban ops, CSAR, and SOF support will ensure the achievement of acceptable levels of collateral damage sensitivity.

Exhibit R-2a, RDT&E Project Justification							DATE February 2007		
BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207131F A-10 SQUADRONS			PROJECT NUMBER AND TITLE 4809 A-10 Squadrons (PUP)		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4809 A-10 Squadrons (PUP)	0.000	0.000	10.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		
(U) A. Mission Description and Budget Item Justification									
<p>The concept of operations for the A/OA-10 requires an agile and survivable weapon system that provides close-air support, combat search and rescue, and special operations support.</p> <p>The high operations tempo maintained by the Expeditionary Air Force requires that each combat platform exhibit the flexibility to effectively perform in a variety of operational roles. To implement these strategies, Combat Air Forces (CAF) must be able to conduct air operations around-the-clock under various weather conditions against numerous enemy threats employing a full spectrum of air defense systems to include countermeasures.</p> <p>The A/OA-10 is an essential component of successful air operations, and represents a significant percentage of the CAF force structure with 356 aircraft in service. The weapon system's attributes include excellent low speed maneuverability, high weapons payload, long loiter time, very high tolerance to battle damage, and the lowest cost per flying hour of any CAF fighter. As demonstrated during the Persian Gulf War, it is the Air Force's most effective Close Air Support (CAS) and anti-armor platform.</p> <p>FY 2007 GWOT JUSTIFICATION</p> <p>URBAN CAS LOW COLLATERAL DAMAGE MUNITIONS (HELLFIRE II)</p> <p>A-10 requires the AGM-114 Hellfire missile which provides unique effects, specifically: low-collateral damage, all-altitude, point-shoot, non-coordinate, minimum range capability, short time-of-flight, all altitude capable, small weapon capability, precision guided, and jointly interoperable if able. \$10M of funding supports full envelope (speed, acceleration and altitude) certification of Hellfire missile carriage on A-10. Lessons from GWOT efforts have reiterated the need for weapons (Hellfire II) which provide flexible force application.</p> <p>The integration of the AGM-114 Hellfire missile, which incorporates elements of danger-close, troops-in-contact, Urban ops, CSAR, and SOF support will ensure the achievement of acceptable levels of collateral damage sensitivity.</p>									
(U) B. Accomplishments/Planned Program (\$ in Millions)									
		<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>					
(U) Development/integration requirements efforts for Urban CAS Low Collateral Damage Munitions (Hellfire II). Development supports OFP changes, full envelope (speed, acceleration and altitude) certification of Hellfire missile carriage on A-10. Includes test launcher rails, integrations, targets, ranges, and associated support equipment.				10.000					
(U) Total Cost		0.000	0.000	10.000					

Project 4809

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Exhibit R-2a (PE 0207131F)

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Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207131F A-10 SQUADRONS	PROJECT NUMBER AND TITLE 4809 A-10 Squadrons (PUP)
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(U) **C. Other Program Funding Summary (\$ in Millions)**

<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U) None

(U) **D. Acquisition Strategy**

- Urban CAS Low Collateral Damage Munitions development will be included under the A-10 Prime Contract, Cost Plus Award Fee (CPAF) contract will be awarded for specific modernization efforts.

(U) **E. Major Performers**

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) Lockheed Martin Systems Integration	Owego, NY	Development & Integration	Jul-07

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
07 Operational System Development				0207131F A-10 SQUADRONS				4809 A-10 Squadrons (PUP)			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>GWOT Cost</u>	<u>Award Date</u>	<u>IX Cost</u>	<u>Award Date</u>	<u>GWOT Cost</u>	<u>Cost to Complete Award Date</u>		
(U) <u>Product Development</u> Urban CAS Low Collateral Damage Munitions (Hellfire II)	TBD	Lockheed Martin Systems Integration--Ow ego NY						8.500		8.500	
Subtotal Product Development			0.000	0.000		0.000		8.500	0.000	8.500	0.000
Remarks:											
(U) <u>Test & Evaluation</u> USAF (40th FTS) Urban CAS Low Collateral Damage Munitions (Hellfire II)								1.500		1.500	
Subtotal Test & Evaluation			0.000	0.000		0.000		1.500	0.000	1.500	0.000
Remarks:											
(U) Total Cost			0.000	0.000		0.000		10.000	0.000	10.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207131F A-10 SQUADRONS

PROJECT NUMBER AND TITLE
4809 A-10 Squadrons (PUP)

Urban CAS (Hellfire II) Master Schedule

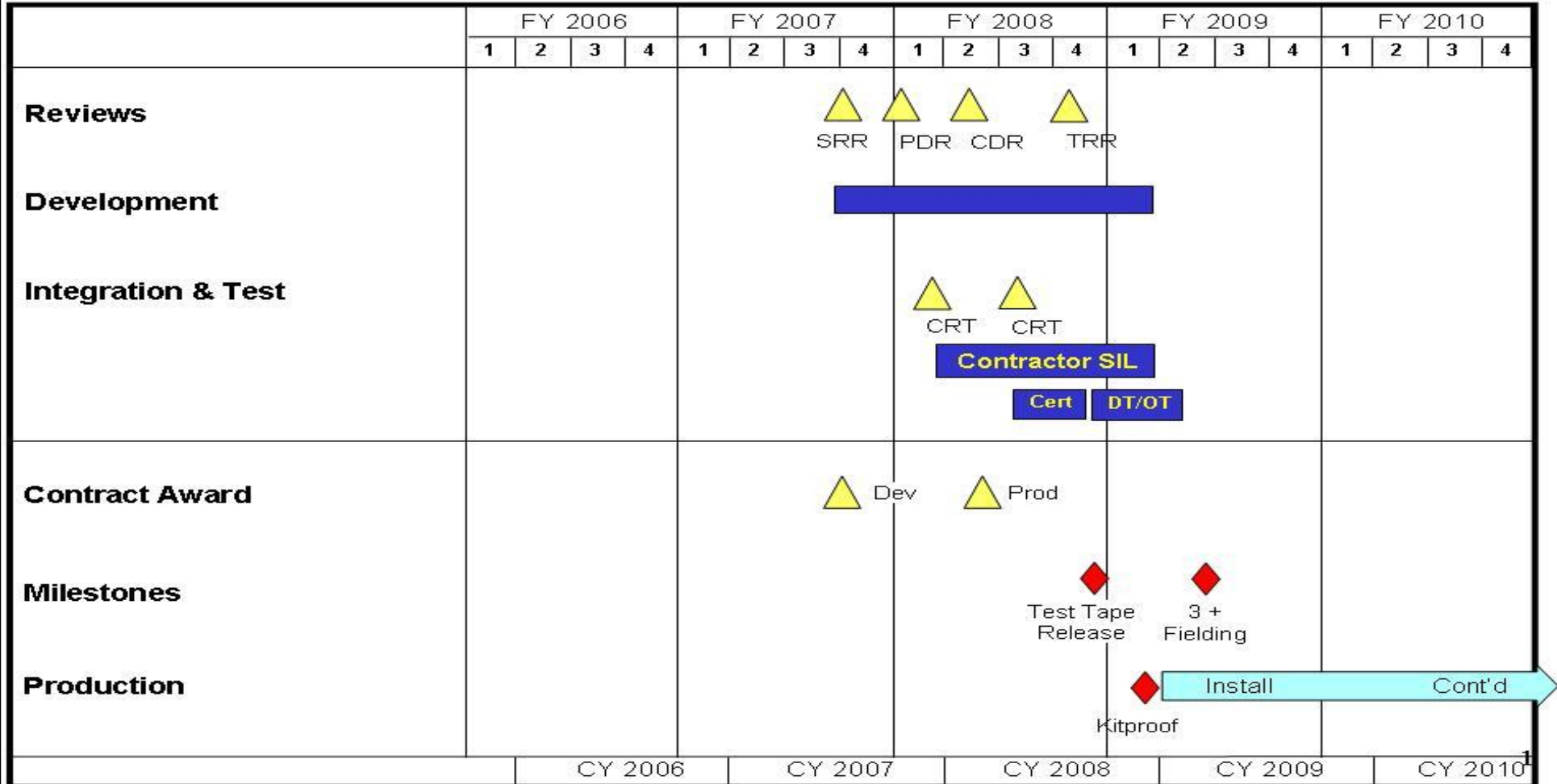


Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207131F A-10 SQUADRONS	PROJECT NUMBER AND TITLE 4809 A-10 Squadrons (PUP)
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) Urban CAS Low Collateral Damage Munitions Development		<u>FY07 GWOT</u> 4Q

Project 4809

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Exhibit R-4a (PE 0207131F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	13.300	0.000	0.000	0.000	0.000	Continuing	TBD
3858 Mission Planning Systems (MPS)	0.000	0.000	13.300	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Mission Planning Systems (formally Air Force Mission Support Systems (AFMSS)) program was established in 1990 to consolidate the many mission planning system development efforts into a single-unit level mission planning system. In FY04, the Mission Planning Systems System Program Office at Hanscom AFB, MA was directed to execute all mission planning development activities and funding was added to accomplish this directive. Today there are two legacy AF mission planning systems migrating to a single, multi-service system, called the Joint Mission Planning System (JMPS). Until all aircraft and weapons are migrated to JMPS, Mission Planning Systems maintains current combat capabilities on the two existing legacy planning systems. Mission Planning Systems is considered a family of products program consisting of the UNIX-based Mission Planning System (Unix-MPS), the PC-based Portable Flight Planning Software (PFPS) and JMPS.

Mission Planning Systems encompasses evolutionary software and hardware development by integrating military and commercial software on Commercial-Off-The-Shelf (COTS) hardware in an open systems architecture. This allows the program to take advantage of the latest PC technology to meet user demands for the most capable systems.

Mission Planning provides comprehensive mission planning tools to aid the warfighter in planning a variety of worldwide missions ranging from homeland security and the global war on terrorism to operations supporting conventional and nuclear armed conflicts. These tools also support peacetime exercises as well as day-to-day training. The UNIX-based MPS operates in combination with the PC-based PFPS to deliver planning capability uploads for aircraft and missile systems, and routing data for platforms utilizing low observable (LO) technology.

Mission Planning Systems supports/will support a variety of aircraft and weapons including (but not limited to) the following: A-10, B-1, B-2, B-52, C-5, C-17, C-130, E-3, E-8, F-15, F-16, F-117, F/A-22, KC-10, KC-135, RC-135, U-2, Joint Strike Fighter (JSF), Air to Ground Munitions (AGM) -130, AGM-142, Joint Direct Attack Munitions (JDAM), Joint Stand Off Weapon (JSOW), Wind Corrected Munitions Dispenser (WCMD), Joint Air-to-Surface, Stand off Munitions (JASSM), Miniature Air Launched Decoy (MALD), Predator, and Global Hawk. Mission Planning Systems software is used in the Cockpit Auxiliary Targeting System (CATS) portion of the Integrated Air Ground Imaging (IAGI) capability for the A-10.

Mission Planning Systems uses an evolutionary acquisition approach, which emphasizes spiral development and the use of Increments (Increment content is described below) to provide capabilities to individual platforms. Additionally, the JMPS architecture ensures common components are utilized among all service platforms and weapons systems where appropriate, thereby reducing duplicative software development efforts and increasing interoperability between services. Further spirals of JMPS will eliminate stovepipe systems. The JMPS framework and common components will require continuous upgrades to: reduce timelines for

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0208006F Mission Planning Systems

route planning, transmit near real-time intelligence data to the platforms, increase the accuracy of the mapping products, and provide a Windows-based, COTS-based, user friendly product. JMPS has inter-service leadership and requirements.

- a. Increment I was the initial development effort, which provided the framework for basic flight planning for all platforms.
- b. Increment II provides for the initial migration of legacy mission planning capability to JMPS for the F-15 and RC-135 aircraft.
- c. Increment III continues the migration of additional aircraft platforms (F/A-22, F-16, B-1B, etc) and weapons (JASSM, etc) to JMPS, upgrades the framework, and develops new common components (e.g. weather, electronic warfare) and unique platform capabilities. Additionally, engineering studies will be conducted to plan and support the migration of future platforms to JMPS.
- d. Increment IV continues the JMPS migration for additional platforms (Tanker Airlift Special Mission (TASM), Intelligence, Surveillance & Reconnaissance (ISR) aircraft, etc..) to JMPS while upgrading the framework and Common Components Capabilities.
- e. Increment V completes the migration to JMPS for additional platforms (e.g. B-2, B-52, etc.) while developing new and improved JMPS capabilities for all platforms. It also conducts studies and analyses, including evaluating new Information Technology (IT) infrastructure technologies, in support of future system upgrades.
- f. Net centric capabilities are/will be developed to provide web based JMPS mission planning to stay in concert with current C2 strategies.

FY07 GWOT JUSTIFICATION

FY07 RDT&E funding supports the rapid development and fielding of the Joint Precision Airdrop System (JPADS). JPADS will provide the capability for USAF, Army, USMC aviators to accurately airdrop payloads of supplies/equipment to soldiers in the field from altitudes beyond the reach of most surface to air weaponry. RDT&E funds will develop, test, and evaluate increased payload weight capability for precision airdrop from high altitudes, re-factor precision delivery software for cross-Service mission planning use, and engineer hardware for integration in multiple aircraft platforms. Funds will support rapid combat fielding of JPADS to the Iraq and Afghanistan theaters of operation as well as provide for program management and other necessary support.

The Mission Planning Systems program is in Budget Activity 7 because it provides for development of technologies and capabilities in support of the currently fielded PFPS and Unix-MPS systems.

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Exhibit R-2 (PE 0208006F)

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Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0208006F Mission Planning Systems			PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3858 Mission Planning Systems (MPS)	0.000	0.000	13.300	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Mission Planning Systems (formally Air Force Mission Support Systems (AFMSS)) program was established in 1990 to consolidate the many mission planning system development efforts into a single-unit level mission planning system. In FY04, the Mission Planning Systems System Program Office at Hanscom AFB, MA was directed to execute all mission planning development activities and funding was added to accomplish this directive. Today there are two legacy AF mission planning systems migrating to a single, multi-service system, called the Joint Mission Planning System (JMPS). Until all aircraft and weapons are migrated to JMPS, Mission Planning Systems maintains current combat capabilities on the two existing legacy planning systems. Mission Planning Systems is considered a family of products program consisting of the UNIX-based Mission Planning System (Unix-MPS), the PC-based Portable Flight Planning Software (PFPS) and JMPS.

Mission Planning Systems encompasses evolutionary software and hardware development by integrating military and commercial software on Commercial-Off-The-Shelf (COTS) hardware in an open systems architecture. This allows the program to take advantage of the latest PC technology to meet user demands for the most capable systems.

Mission Planning provides comprehensive mission planning tools to aid the warfighter in planning a variety of worldwide missions ranging from homeland security and the global war on terrorism to operations supporting conventional and nuclear armed conflicts. These tools also support peacetime exercises as well as day-to-day training. The UNIX-based MPS operates in combination with the PC-based PFPS to deliver planning capability uploads for aircraft and missile systems, and routing data for platforms utilizing low observable (LO) technology.

Mission Planning Systems supports/will support a variety of aircraft and weapons including (but not limited to) the following: A-10, B-1, B-2, B-52, C-5, C-17, C-130, E-3, E-8, F-15, F-16, F-117, F/A-22, KC-10, KC-135, RC-135, U-2, Joint Strike Fighter (JSF), Air to Ground Munitions (AGM) -130, AGM-142, Joint Direct Attack Munitions (JDAM), Joint Stand Off Weapon (JSOW), Wind Corrected Munitions Dispenser (WCMD), Joint Air-to-Surface, Stand off Munitions (JASSM), Miniature Air Launched Decoy (MALD), Predator, and Global Hawk. Mission Planning Systems software is used in the Cockpit Auxiliary Targeting System (CATS) portion of the Integrated Air Ground Imaging (IAGI) capability for the A-10.

Mission Planning Systems uses an evolutionary acquisition approach, which emphasizes spiral development and the use of Increments (Increment content is described below) to provide capabilities to individual platforms. Additionally, the JMPS architecture ensures common components are utilized among all service platforms and weapons systems where appropriate, thereby reducing duplicative software development efforts and increasing interoperability between services. Further spirals of JMPS will eliminate stovepipe systems. The JMPS framework and common components will require continuous upgrades to: reduce timelines for

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)
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route planning, transmit near real-time intelligence data to the platforms, increase the accuracy of the mapping products, and provide a Windows-based, COTS-based, user friendly product. JMPS has inter-service leadership and requirements.

- a. Increment I was the initial development effort, which provided the framework for basic flight planning for all platforms.
- b. Increment II provides for the initial migration of legacy mission planning capability to JMPS for the F-15 and RC-135 aircraft.
- c. Increment III continues the migration of additional aircraft platforms (F/A-22, F-16, B-1B, etc) and weapons (JASSM, etc) to JMPS, upgrades the framework, and develops new common components (e.g. weather, electronic warfare) and unique platform capabilities. Additionally, engineering studies will be conducted to plan and support the migration of future platforms to JMPS.
- d. Increment IV continues the JMPS migration for additional platforms (Tanker Airlift Special Mission (TASM), Intelligence, Surveillance & Reconnaissance (ISR) aircraft, etc..) to JMPS while upgrading the framework and Common Components Capabilities.
- e. Increment V completes the migration to JMPS for additional platforms (e.g. B-2, B-52, etc.) while developing new and improved JMPS capabilities for all platforms. It also conducts studies and analyses, including evaluating new Information Technology (IT) infrastructure technologies, in support of future system upgrades.
- f. Net centric capabilities are/will be developed to provide web based JMPS mission planning to stay in concert with current C2 strategies.

FY07 GWOT JUSTIFICATION

FY07 RDT&E funding supports the rapid development and fielding of the Joint Precision Airdrop System (JPADS). JPADS will provide the capability for USAF, Army, USMC aviators to accurately airdrop payloads of supplies/equipment to soldiers in the field from altitudes beyond the reach of most surface to air weaponry. RDT&E funds will develop, test, and evaluate increased payload weight capability for precision airdrop from high altitudes, re-factor precision delivery software for cross-Service mission planning use, and engineer hardware for integration in multiple aircraft platforms. Funds will support rapid combat fielding of JPADS to the Iraq and Afghanistan theaters of operation as well as provide for program management and other necessary support.

The Mission Planning Systems program is in Budget Activity 7 because it provides for development of technologies and capabilities in support of the currently fielded PFPS and Unix-MPS systems.

<u>(U) B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) FY07 GWOT Joint Precision Airdrop System (JPADS)			13.300
(U) Total Cost	0.000	0.000	13.300

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0208006F Mission Planning Systems	PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)
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(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Other Appn									
(U) OPAF PE 0208006F (Other Procurement Air Force, WSC 833040, Theater Air Control System Improvement)			6.600					Continuing	TBD

(U) **D. Acquisition Strategy**

Mission Planning Systems utilizes an evolutionary acquisition approach to develop and deliver an interoperable, network centric, mission planning system tailored for multiple Air Force platforms using open competition and a variety of contract vehicles.

FY07 GWOT JUSTIFICATION

JPADS will be developed under the existing evolutionary acquisition guidelines for the Mission Planning Systems program. It will take advantage of existing contract vehicles and management agreements to accelerate development, testing, and rapid combat fielding of an initial precision airdrop capability.

(U) **E. Major Performers**

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U)			

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Exhibit R-3, RDT&E Project Cost Analysis										DATE February 2007	
BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0208006F Mission Planning Systems				PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)		
(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06 GWOT Cost</u>	<u>FY06 GWOT Award Date</u>	<u>FY07 Title IX Cost</u>	<u>FY07 Title IX Award Date</u>	<u>FY07 GWOT Cost</u>	<u>Cost to Complete Award Date</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>											
Systems Engineering and Integration	C/Variou	Various	0.000	0.000				0.250	Continuing	TBD	TBD
FY07 GWOT (JPADS)	C/Variou	Various						12.300	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		0.000		12.550	Continuing	TBD	TBD
Remarks:											
(U) <u>Support</u>											
Subtotal Support			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u>											
46TW	PO	Eglin AFB, FL	0.000	0.000				0.180	Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.000		0.000		0.180	Continuing	TBD	TBD
Remarks:											
(U) <u>Management</u>											
FFRDC (Mitre)	SS/T&M	Bedford, MA	0.000	0.000				0.160	Continuing	TBD	TBD
Program Office Support	C/T&M	Various	0.000	0.000				0.410	Continuing	TBD	TBD
Subtotal Management			0.000	0.000		0.000		0.570	Continuing	TBD	TBD
Remarks:											
(U) Total Cost			0.000	0.000		0.000		13.300	Continuing	TBD	TBD

Project 3858

R-1 Line Item No. 162
Page-6 of 8

Exhibit R-3 (PE 0208006F)

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Exhibit R-4, RDT&E Schedule Profile

DATE
February 2007

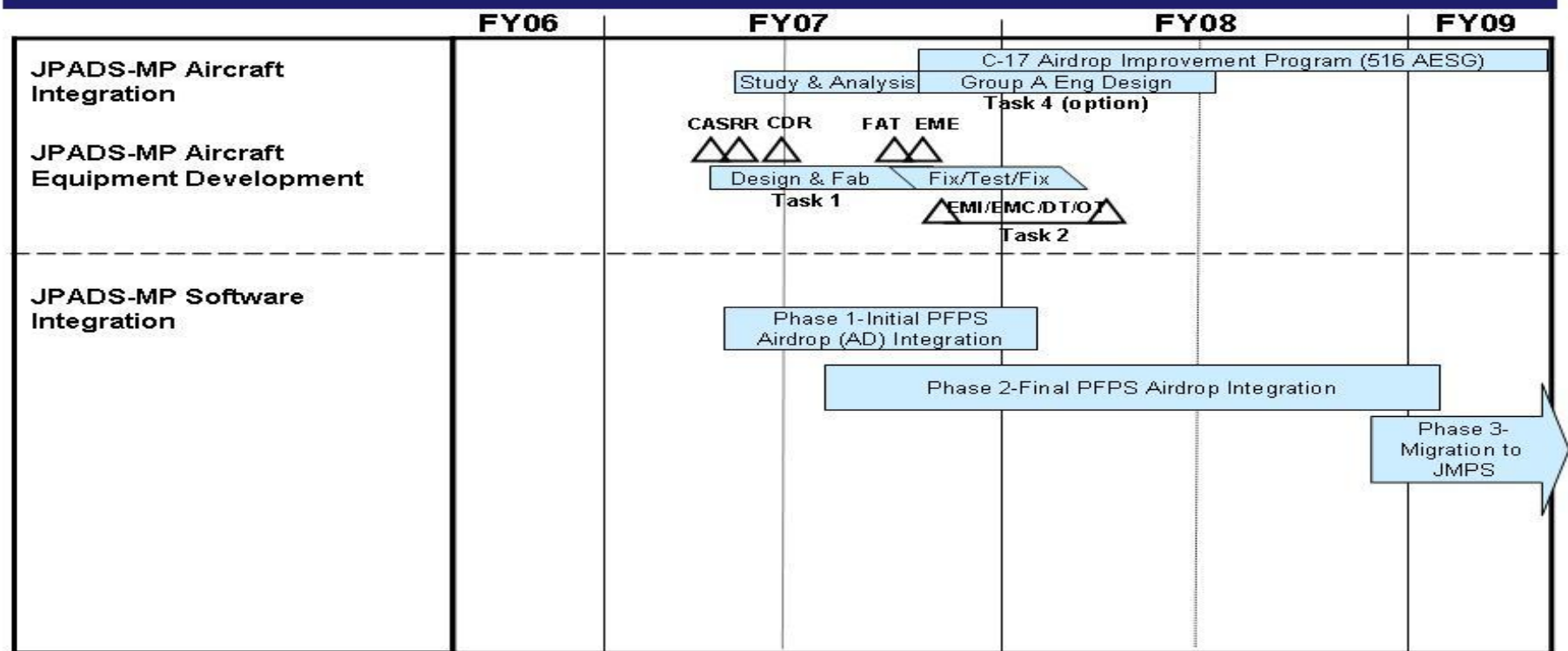
BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0208006F Mission Planning Systems

PROJECT NUMBER AND TITLE
3858 Mission Planning Systems (MPS)



FY07 GWOT JPADS-MP Development Schedule



Integrity - Service - Excellence

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0208006F Mission Planning Systems
		PROJECT NUMBER AND TITLE 3858 Mission Planning Systems (MPS)
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) JPADS-MP Software Dev Phase I Contract Award		<u>FY07 GWOT</u> 2Q
(U) Phase I Prototype Delivery		4Q
(U) PDR - Phase II		4Q
(U) CDR - Phase II		4Q
<p align="right">Project 3858</p> <p align="center">R-1 Line Item No. 162 Page-8 of 8</p> <p align="right">Exhibit R-4a (PE 0208006F)</p>		

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PE NUMBER: 0305202F
 PE TITLE: Dragon U-2 (JMIP)

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305202F Dragon U-2 (JMIP)
--	---

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.660	0.000	0.000	0.000	0.000	Continuing	TBD
4820 Sensor Development	0.000	0.000	0.660	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This program element is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of operational system development for the U-2 Intelligence Surveillance Reconnaissance (ISR) system. The RDT&E portion of this program element funds efforts to develop enhancements and sustain the U-2 Dragon Lady ISR system, both sensors and aircraft. In addition to the RDT&E funding, there are procurement funds associated with these developments.

FY07 GWOT JUSTIFICATION:

This Global War on Terrorism (GWOt) supplemental funding request supports development efforts on the U-2 Senior Year Electro-Optical Reconnaissance System (SYERS-2/2A) sensor. Specifically the funds pay for the qualification and certification testing of a new SYERS-2 vendor to produce infrared focal planes.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305202F Dragon U-2 (JMIP)			PROJECT NUMBER AND TITLE 4820 Sensor Development		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4820 Sensor Development	0.000	0.000	0.660	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This program element is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of operational system development for the U-2 Intelligence Surveillance Reconnaissance (ISR) system. The RDT&E portion of this program element funds efforts to develop enhancements and sustain the U-2 Dragon Lady ISR system, both sensors and aircraft. In addition to the RDT&E funding, there are procurement funds associated with these developments.

FY07 GWOT JUSTIFICATION:

This Global War on Terrorism (GWOt) supplemental funding request supports development efforts on the U-2 Senior Year Electro-Optical Reconnaissance System (SYERS-2/2A) sensor. Specifically the funds pay for the qualification and certification testing of a new SYERS-2 vendor to produce infrared focal planes.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) SYERS-2/SA Infrared Focal Plane qualification tests			0.660
(U) Total Cost	0.000	0.000	0.660

(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) APAF, 0305202F U-2 Dragon Lady (BP10)			15.600						

(U) D. Acquisition Strategy

All contracts awarded based on full and open competition.

(U) E. Major Performers

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) B.F.Goodrich, Surveillance and Reconnaissance Systems	Chelmsford, MA	SYERS-2	Jun-07

R-1 Line Item No. 199

Page-2 of 5

Project 4820

Exhibit R-2a (PE 0305202F)

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
07 Operational System Development				0305202F Dragon U-2 (JMIP)				4820 Sensor Development			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>GWOT Cost</u>	<u>Award Date</u>	<u>IX Cost</u>	<u>IX Award Date</u>	<u>GWOT Cost</u>	<u>Cost to Complete Award Date</u>		
(U) <u>Product Development</u> SYERS-2	TBD	BF Goodrich, Boston						0.660	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		0.000		0.660	Continuing	TBD	TBD
Remarks:											
(U) <u>Test & Evaluation</u>										0.000	0.000
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Management</u> RSW/U2SF	C/FFP	Various							Continuing	TBD	TBD
Subtotal Management			0.000	0.000		0.000		0.000	Continuing	TBD	TBD
Remarks:											
(U) Total Cost			0.000	0.000		0.000		0.660	Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE

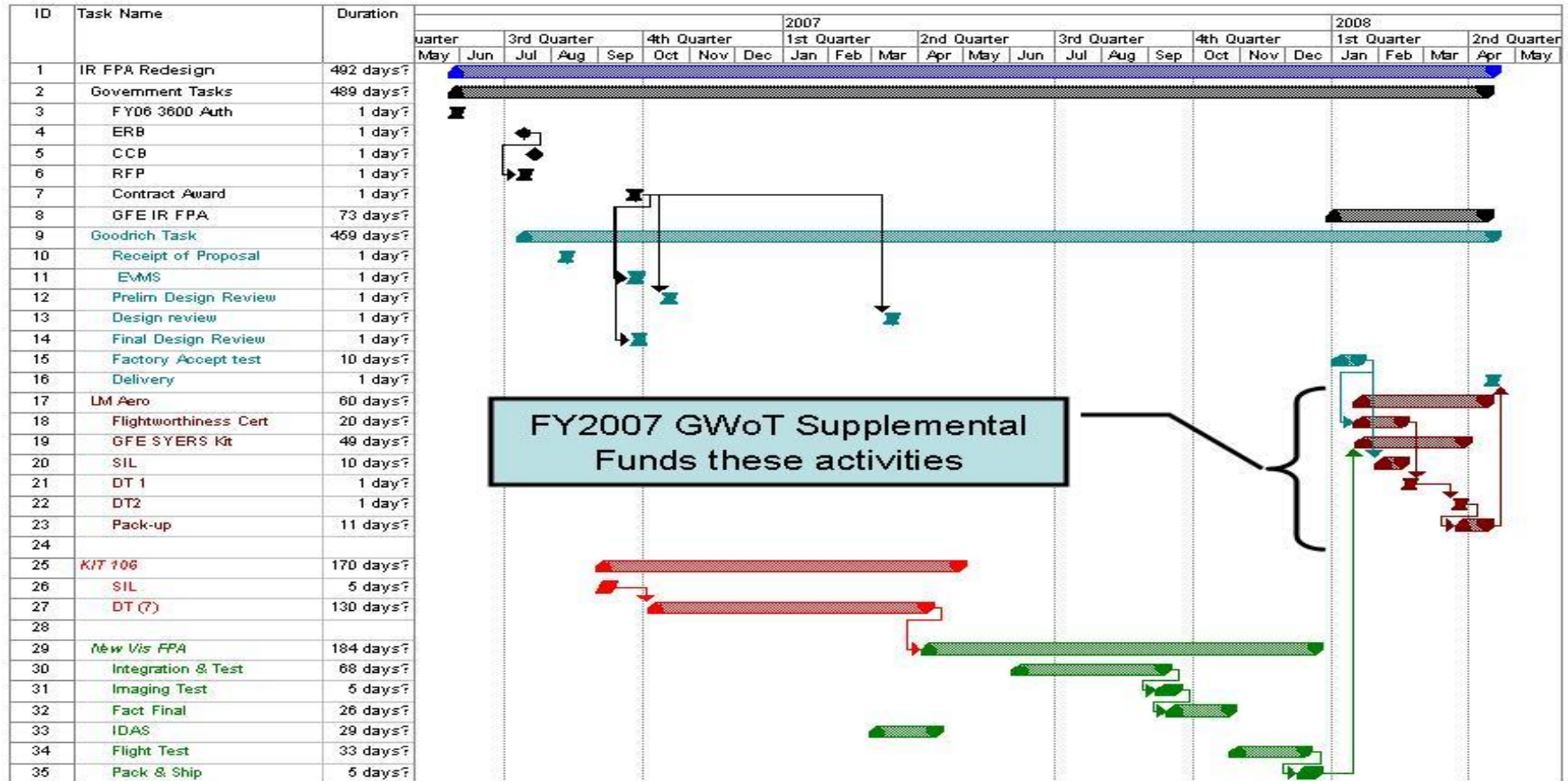
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305202F Dragon U-2 (JMIP)

PROJECT NUMBER AND TITLE
4820 Sensor Development

SYERS-2 Focal Plane Qualification Schedule



R-1 Line Item No. 199

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Exhibit R-4 (PE 0305202F)

Project 4820

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0305202F Dragon U-2 (JMIP)
		PROJECT NUMBER AND TITLE 4820 Sensor Development
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u> <u>FY07 GWOT</u>
(U) Contract start to support qualification testing of SYERS-2/2A infrared focal planes		4Q
<p align="center">R-1 Line Item No. 199 Page-5 of 5</p>		
Project 4820		Exhibit R-4a (PE 0305202F)

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PE NUMBER: 0305206F

PE TITLE: Airborne Reconnaissance Systems

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems
--	---

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	3.000	0.000	6.000	0.000	0.000	0.000	0.000	Continuing	TBD
4818 Imaging and Targeting Support	3.000	0.000	6.000	0.000	0.000	0.000	0.000	Continuing	TBD

- FY 2006, Congressional GWOT Title IX add \$3.0M, Project Number, 674818, to integrate Common Image Processor (CIP) in Theater Airborne Reconnaissance System (TARS)

- FY 2006, Congressional add \$1.8M, Project Number, 674819, to conduct Airborne Optical Comm Flight Demonstration

- FY 2006, Project Number 675038, Network Centric Collaborative Targeting (NCCT) ACTD completes

- FY 2006-2011, Project Number 674882, Compass Bright, efforts were transferred from PE 0305206F, Airborne Reconnaissance Systems, to PE 0305260F, Airborne SIGINT Enterprise, Project, 675185; this consolidated AF SIGINT development efforts.

FY2007 GWOT JUSTIFICATION: TARS \$6.0M will upgrade recce pods to integrate with Block 40/50 F-16s flown by active duty.

(U) A. Mission Description and Budget Item Justification

The Airborne Reconnaissance Systems program coordinates the development of advanced airborne reconnaissance system technologies (i.e., sensors, data links, targeting networks and products, and quick reaction capabilities) in support of multiple airborne reconnaissance platforms, both manned and unmanned. Its objective is to develop, demonstrate, and rapidly transition advanced, interoperable, multi-platform solutions to reduce the find, fix, target, and track kill chain timeline. This program also coordinates the development of common collection, processing, and dissemination solutions for near-real time intelligence, surveillance, and reconnaissance (ISR).

This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of operational system development.

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems			PROJECT NUMBER AND TITLE 4818 Imaging and Targeting Support		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4818 Imaging and Targeting Support	3.000	0.000	6.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
 The Airborne Reconnaissance Systems program coordinates the development of advanced airborne reconnaissance system technologies (i.e., sensors, data links, targeting networks and products, and quick reaction capabilities) in support of multiple airborne reconnaissance platforms, both manned and unmanned. Its objective is to develop, demonstrate, and rapidly transition advanced, interoperable, multi-platform solutions to reduce the find, fix, target, and track kill chain timeline. This program also coordinates the development of common collection, processing, and dissemination solutions for near-real time intelligence, surveillance, and reconnaissance (ISR).

This program is categorized as Budget Activity 7 because it provides for development of technologies and capabilities in support of operational system development.

(U) **B. Accomplishments/Planned Program (\$ in Millions)**

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Theater Airborne Reconnaissance System (TARS)	3.000		6.000
(U) Project Anubis			0.000
(U) Total Cost	3.000	0.000	6.000

(U) **C. Other Program Funding Summary (\$ in Millions)**

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) TARS Procurement PE 27217F	0.000	0.000	13.620	0.000	0.000	0.000	0.000	Continuing	TBD

(U) **D. Acquisition Strategy**
 Acquisition strategy is to maximize commercial and national development efforts and investment through multiple contracting methods; including the use of Engineering Change Proposals (ECP) to modify existing contracts and new contracts that were awarded both competitively or on a sole source basis.

(U) **E. Major Performers**
 (Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) BAE	Greenlawn, NY	RDT&E Integration	Aug-07

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Exhibit R-2a, RDT&E Project Justification

DATE

February 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305206F Airborne Reconnaissance Systems

PROJECT NUMBER AND TITLE

4818 Imaging and Targeting Support

(U) LM Aero

Dallas/Ft Worth, TX

RDT&E Integration

Aug-07

Project 4818

R-1 Line Item No. 200

Page-3 of 6

Exhibit R-2a (PE 0305206F)

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE			
07 Operational System Development				0305206F Airborne Reconnaissance Systems				4818 Imaging and Targeting Support			
(U) Cost Categories (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06 GWOT Cost</u>	<u>FY06 GWOT Award Date</u>	<u>FY07 Title IX Cost</u>	<u>FY07 Title IX Award Date</u>	<u>FY07 GWOT Cost</u>	<u>Cost to Complete Award Date</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u>											
BAE Systems (TARS)	SS/CPFF	Greenlawn, NY	0.000	3.000				3.000	Continuing	TBD	3.000
LM Aero (TARS)	CPFF	Dallas/Ft Worth, TX						3.000	Continuing	TBD	3.000
Subtotal Product Development			0.000	3.000		0.000		6.000	Continuing	TBD	6.000
Remarks:	Majority of "Others" constitutes contracts to be competed for Tactical Sensor Models										
(U) <u>Support</u>											
Subtotal Support			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u>											
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Management</u>											
Subtotal Management			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) Total Cost			0.000	3.000		0.000		6.000	Continuing	TBD	6.000

Exhibit R-4, RDT&E Schedule Profile		DATE February 2007
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems	PROJECT NUMBER AND TITLE 4818 Imaging and Targeting Support

Preliminary Schedule
PE 35206F, Airborne Reconnaissance Systems,
BPAC 4818, Imaging and Targeting Support

FY 06	FY 07	FY 08	FY 09	FY 10	FY 11
TARS	CIP Contract Award	Block 40/50 Contracts Award			
		First Unit Modified			

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Exhibit R-4a, RDT&E Schedule Detail		DATE February 2007
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems	PROJECT NUMBER AND TITLE 4818 Imaging and Targeting Support
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) TARS: Contract Award	3Q	<u>FY07 GWOT</u>
(U) TARS Block 40/50 Contract Award		4Q

Project 4818

R-1 Line Item No. 200
Page-6 of 6

Exhibit R-4a (PE 0305206F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305207F Manned Reconnaissance System
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	20.540	0.000	0.000	0.000	0.000	Continuing	TBD
4754 COBRA BALL	0.000	0.000	20.540	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The RC-135 Operational Systems Development and enhancement activities project supports design studies, engineering analysis, non-recurring engineering, and other efforts associated with the integration and modification of the RC-135 and its mission systems - both air and ground. Extensive utilization of commercial-off the-shelf (COTS) based solutions allows rapid fielding of needed capabilities through continuous technology refresh cycles and vanishing-vendor logistics mitigation efforts.

The results of these efforts provide for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations for integration into the various systems baseline configurations.

These activities are managed by the Air Force through the BIG SAFARI Systems Group, Reconnaissance System Wing, Aeronautical Systems Center, Air Force Materiel Command. BIG SAFARI manages engineering, ground and support system modifications, integration, flight testing, product assurance, acceptance testing, logistics, and training activities. Aircraft, aircraft sensor systems, and associated ground support system modifications planned for FY06-FY11 include support for three distinct RIVET JOINT configurations [Baselines 8, 9 & 10], two distinct COMBAT SENT configurations [Baselines 3 & 4] and three distinct COBRA BALL configurations [Baselines 2, 3 & 4]. SEE CLASSIFIED Congressional budget exhibits.

The world-wide challenge of keeping pace against technologically agile targets used by both nation and non-nation-state adversaries and the rapid evolution of COTS technologies demands a responsive and adaptive acquisition strategy for fielding 'baseline capabilities' that are logistically supportable at all locations. The BIG SAFARI program office uses an incremental 'baseline' strategy to mitigate risk and find affordable solutions.

This program will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to pursue joint, allied, and coalition interoperability.

Budget Activity Justification

This program effort is equivalent to RDT&E budget activity 7, Operational Systems Development, because it involves Air Force R&D necessary to field essential operational capabilities.

FY07 GWOT JUSTIFICATION: Fields a Quick-Reaction Capability (QRC) aboard the RC-135 adapting existing COTS technologies available from other U.S. Government programs. Procures both the non-recurring and recurring engineering, prototype fabrication, installation and testing needed to process and exploit

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305207F Manned Reconnaissance System

specific GWOT (OIF) targets needed to protect Multi-National Forces - Iraq (MNF-I). SEE CLASSIFIED Congressional budget exhibits.

Exhibit R-2a, RDT&E Project Justification							DATE February 2007		
BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305207F Manned Reconnaissance System			PROJECT NUMBER AND TITLE 4754 COBRA BALL		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4754 COBRA BALL	0.000	0.000	20.540	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The RC-135 Operational Systems Development and enhancement activities project supports design studies, engineering analysis, non-recurring engineering, and other efforts associated with the integration and modification of the RC-135 and its mission systems - both air and ground. Extensive utilization of commercial-off the-shelf (COTS) based solutions allows rapid fielding of needed capabilities through continuous technology refresh cycles and vanishing-vendor logistics mitigation efforts.

The results of these efforts provide for preliminary assessments of technical feasibility, operability, or military utility as well as specific engineering implementations for integration into the various systems baseline configurations.

These activities are managed by the Air Force through the BIG SAFARI Systems Group, Reconnaissance System Wing, Aeronautical Systems Center, Air Force Materiel Command. BIG SAFARI manages engineering, ground and support system modifications, integration, flight testing, product assurance, acceptance testing, logistics, and training activities. Aircraft, aircraft sensor systems, and associated ground support system modifications planned for FY06-FY11 include support for three distinct RIVET JOINT configurations [Baselines 8, 9 & 10], two distinct COMBAT SENT configurations [Baselines 3 & 4] and three distinct COBRA BALL configurations [Baselines 2, 3 & 4]. SEE CLASSIFIED Congressional budget exhibits.

The world-wide challenge of keeping pace against technologically agile targets used by both nation and non-nation-state adversaries and the rapid evolution of COTS technologies demands a responsive and adaptive acquisition strategy for fielding 'baseline capabilities' that are logistically supportable at all locations. The BIG SAFARI program office uses an incremental 'baseline' strategy to mitigate risk and find affordable solutions.

This program will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to pursue joint, allied, and coalition interoperability.

Budget Activity Justification

This program effort is equivalent to RDT&E budget activity 7, Operational Systems Development, because it involves Air Force R&D necessary to field essential operational capabilities.

FY07 GWOT JUSTIFICATION: Fields a Quick-Reaction Capability (QRC) aboard the RC-135 adapting existing COTS technologies available from other U.S. Government programs. Procures both the non-recurring and recurring engineering, prototype fabrication, installation and testing needed to process and exploit specific GWOT (OIF) targets needed to protect Multi-National Forces - Iraq (MNF-I). SEE CLASSIFIED Congressional budget exhibits.

Exhibit R-2a, RDT&E Project Justification		DATE February 2007	
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0305207F Manned Reconnaissance System	PROJECT NUMBER AND TITLE 4754 COBRA BALL
(U) B. Accomplishments/Planned Program (\$ in Millions)		<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) QRC -- Beamforming technology to exploit mobile tactical comm targets			20.540
(U)			
(U)			
(U)			
(U)			
(U)			
(U)			
(U)			
(U)			
(U) Total Cost		0.000	0.000
		20.540	
(U) C. Other Program Funding Summary (\$ in Millions)			
	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>
			<u>FY 2008</u>
			<u>Estimate</u>
			<u>FY 2009</u>
			<u>Estimate</u>
			<u>FY 2010</u>
			<u>Estimate</u>
			<u>FY 2011</u>
			<u>Estimate</u>
			<u>Cost to</u>
			<u>Complete</u>
			<u>Total Cost</u>
(U) FY07 GWOT Supplemental			20.540
(U) PE 0305207F, APAF			40.000
(U)			
(U)			
(U) D. Acquisition Strategy			
The RC-135 RIVET JOINT, COBRA BALL, and COMBAT SENT aircraft are normally maintained and upgraded by the 645 Aeronautical Systems Group (BIG SAFARI Program Office) through an evolutionary acquisition strategy or, when required, field modified with Quick-Reaction Capabilities (QRC).			
(U) E. Major Performers			
(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)			
	<u>Name/Title</u>	<u>Location</u>	<u>Work</u>
			<u>Projected Award Date</u>
(U)	L-3 Communications	Greenville TX	All aircraft depot activity
			Jul-07

Project 4754

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305207F Manned Reconnaissance System	PROJECT NUMBER AND TITLE 4754 COBRA BALL
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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06</u> <u>GWOT</u> <u>Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>GWOT</u> <u>Cost</u>	<u>Award Date</u>	<u>IX</u> <u>Cost</u>	<u>Award Date</u>	<u>GWOT</u> <u>Cost</u>	<u>Complete</u> <u>Award Date</u>		
(U) <u>Product Development</u> L-3 Communications	CPFF/CPIF/ FFP	L-3 Com, Greenville TX						20.540	Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		0.000		20.540	Continuing	TBD	TBD
Remarks:	All activity is based around the Programmed Depot Maintenance (PDM) airframe schedule which includes multiple contracts and organizations with overlapping and continuous periods of performance. All QRC's will be fielded using the shortest possible cycle times consistent with the technologies used and their availability .										
(U) Total Cost			0.000	0.000		0.000		20.540	Continuing	TBD	TBD

Project 4754

R-1 Line Item No. 201
Page-5 of 7

Exhibit R-3 (PE 0305207F)

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Exhibit R-4, RDT&E Schedule Profile

DATE
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305207F Manned Reconnaissance System

PROJECT NUMBER AND TITLE
4754 COBRA BALL



Manned Reconnaissance Program

OUTYEARS
As of: PB07, GWOT 07

	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
				<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> GWOT 07 \$20.54M RDT&E </div>				
				<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> GWOT 07 \$40.0M APAF </div>				
**	Mission Sensors	Mission Sensors	Mission Sensors	Mission Support Systems	Mission Support Systems	Mission Support Systems	Mission Support Systems	Mission Support Systems
				\$60.54M				

*Congressional Adds
** See CLASSIFIED Submission for detailed breakout



Integrity - Service - Excellence

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Exhibit R-4a, RDT&E Schedule Detail		DATE February 2007
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305207F Manned Reconnaissance System	PROJECT NUMBER AND TITLE 4754 COBRA BALL
<p>(U) <u>Schedule Profile</u></p> <p>(U) RC-135 QRC to exploit specific mobile tactical communications</p> <p>* Classified Mission System Development -- See Classified Budget Submission for further breakout</p>	<p align="center"><u>FY06 GWOT</u></p>	<p align="center"><u>FY07 Title IX</u></p> <p align="center"><u>FY07 GWOT</u> 4Q</p>

Project 4754

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Page-7 of 7

Exhibit R-4a (PE 0305207F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	1.500	0.000	20.000	0.000	0.000	0.000	0.000	Continuing	TBD
5143 Predator	1.500	0.000	20.000	0.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

FY 2007 GWOT JUSTIFICATION

\$5.0M - MQ-1 Predator Target Location Accuracy. Develops a SASSM-compliant Differential GPS and other improvements to enable the MQ-1 Predator to generate precise target coordinates for rapid employment of coordinate-seeking precision guided munitions. Improving Predator target location accuracy will provide aircraft-generated target quality coordinates -- reducing the kill chain and minimizing collateral damage.

\$15.0M - MQ-1 Predator SIGINT. Develops a signals intelligence capability for unmanned systems.

The basic MQ-1/MQ-9 system consists of the aircraft, a control station, communications equipment, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs.

The MQ-1 Predator 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 operates 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. Additionally the aircraft is multi-configurable to carry either a synthetic aperture radar (SAR) or Hellfire laser-guided missiles. This program will continue to evolve and upgrade MQ-1 capabilities (to include signals intelligence) to meet emerging requirements and address Reliability and Maintainability (R&M) issues.

The MQ-9 Predator B 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 TSTs as a radar-based attack asset with on-board hard-kill capability (hunter-killer) and also perform 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)) and assess post-strike results. The MQ-9 is in continuing development and will field capability through incremental upgrades. The next step will be to develop and test a "baseline" capable system. The "baseline" development includes both a risk reduction phase,

Exhibit R-2, RDT&E Budget Item Justification

DATE

February 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305219F PREDATOR DEVELOPMENT/FIELDING

FY04 & FY05 Quick Reaction Capabilities, 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. The baseline capability will 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); hardware and software upgrades to the ground control station (GCS) for MQ-9 operations; completing airworthiness certification and accreditation; and producing applicable training devices that emulate aircraft capabilities. Subsequent upgrades will continue to evolve the MQ-9's capabilities to meet new requirements and address R&M issues.

Approximately 20 Predator B aircraft will be purchased prior to completion of SDD largely through Congressional and OSD funding adds. To maintain a basic operational capability, these aircraft will require reliability/maintainability development to keep them viable for SDD and/or to provide an interim operational combat capability.

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 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 operation 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 fully support the MQ-1 and MQ-9 aircraft and the missions they perform.

This program will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to pursue joint, Allied, and coalition interoperability.

This program is budget activity 7, Operational Systems Development, because it involves Air Force R&D to field a highly capable operational system and provide essential operational capabilities.

Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING			PROJECT NUMBER AND TITLE 5143 Predator		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5143 Predator	1.500	0.000	20.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

FY 2007 GWOT JUSTIFICATION

\$5.0M - MQ-1 Predator Target Location Accuracy. Develops a SASSM-compliant Differential GPS and other improvements to enable the MQ-1 Predator to generate precise target coordinates for rapid employment of coordinate-seeking precision guided munitions. Improving Predator target location accuracy will provide aircraft-generated target quality coordinates -- reducing the kill chain and minimizing collateral damage.

\$15.0M - MQ-1 Predator SIGINT. Develops a signals intelligence capability for unmanned systems.

The basic MQ-1/MQ-9 system consists of the aircraft, a control station, communications equipment, support equipment, simulator and training devices, Readiness Spares Packages (RSP), technical data/training, and personnel required to operate, maintain, and sustain the system. The system is designed to be modular and open-ended: mission-specific equipment is employed in a 'plug-and-play' mission kit concept allowing specific aircraft and control station configurations to be tailored to fit mission needs.

The MQ-1 Predator 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 operates 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. Additionally the aircraft is multi-configurable to carry either a synthetic aperture radar (SAR) or Hellfire laser-guided missiles. This program will continue to evolve and upgrade MQ-1 capabilities (to include signals intelligence) to meet emerging requirements and address Reliability and Maintainability (R&M) issues.

The MQ-9 Predator B 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 TSTs as a radar-based attack asset with on-board hard-kill capability (hunter-killer) and also perform 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)) and assess post-strike results. The MQ-9 is in continuing development and will field capability through incremental upgrades. The next step will be to develop and test a "baseline" capable system. The "baseline" development includes both a risk reduction phase, FY04 & FY05 Quick Reaction Capabilities, and a System Development & Demonstration (SDD) phase. Risk reduction started in FY03 and includes system design,

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING	PROJECT NUMBER AND TITLE 5143 Predator
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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. The baseline capability will 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); hardware and software upgrades to the ground control station (GCS) for MQ-9 operations; completing airworthiness certification and accreditation; and producing applicable training devices that emulate aircraft capabilities. Subsequent upgrades will continue to evolve the MQ-9's capabilities to meet new requirements and address R&M issues.

Approximately 20 Predator B aircraft will be purchased prior to completion of SDD largely through Congressional and OSD funding adds. To maintain a basic operational capability, these aircraft will require reliability/maintainability development to keep them viable for SDD and/or to provide an interim operational combat capability.

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 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 operation 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 fully support the MQ-1 and MQ-9 aircraft and the missions they perform.

This program will participate in the development, testing, and implementation of international standards (to include NATO standardization agreements) to pursue joint, Allied, and coalition interoperability.

This program is budget activity 7, Operational Systems Development, because it involves Air Force R&D to field a highly capable operational system and provide essential operational capabilities.

(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Multiple Aircraft Control Ground control Station	1.500		
(U) MQ-1 Predator Target Location Accuracy			5.000
(U) MQ-1 Predator SIGINT			15.000
(U) Total Cost	1.500	0.000	20.000

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Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING	PROJECT NUMBER AND TITLE 5143 Predator
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(U) C. Other Program Funding Summary (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
	<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(U) Aircraft Procurement, AF (PE 0305219F)	129.680	197.300	398.700					Continuing	TBD
(U) Missile Procurement, AF (PE 0305219F)	17.000	32.650	104.300					Continuing	TBD

(U) D. Acquisition Strategy

Both the MQ-1 Predator and MQ-9 Predator B systems will be acquired sole-source with General Atomics-ASI as the prime contractor.

(U) E. Major Performers

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) General Atomics ASI	Rancho Bernardo CA	Aircraft development/integration	Feb-05
(U) ASC/YW	Wright-Patterson AFB OH	Simulator	Feb-05

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING	PROJECT NUMBER AND TITLE 5143 Predator
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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract</u> <u>Method &</u> <u>Type</u>	<u>Performing</u> <u>Activity &</u> <u>Location</u>	<u>Total</u> <u>Prior to FY06</u> <u>GWOT</u> <u>Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value</u> <u>of Contract</u>
				<u>GWOT</u> <u>Cost</u>	<u>GWOT</u> <u>Award Date</u>	<u>IX</u> <u>Cost</u>	<u>IX</u> <u>Award Date</u>	<u>GWOT</u> <u>Cost</u>	<u>Complete</u> <u>Award Date</u>		
(U) <u>Product Development</u>											
Target Location Accuracy	TBD	TBD						5.000	Continuing	TBD	
Predator SIGINT	TBD	TBD						15.000	Continuing	TBD	
Multiple Aircraft Control	TBD	TBD			1.500				Continuing	TBD	
Subtotal Product Development			0.000		1.500		0.000	20.000	Continuing	TBD	0.000
Remarks:											
(U) <u>Support</u>											
Subtotal Support			0.000		0.000		0.000	0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u>											
Subtotal Test & Evaluation			0.000		0.000		0.000	0.000	0.000	0.000	0.000
Remarks:											
(U) Total Cost			0.000		1.500		0.000	20.000	Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305219F PREDATOR
DEVELOPMENT/FIELDING

PROJECT NUMBER AND TITLE
5143 Predator

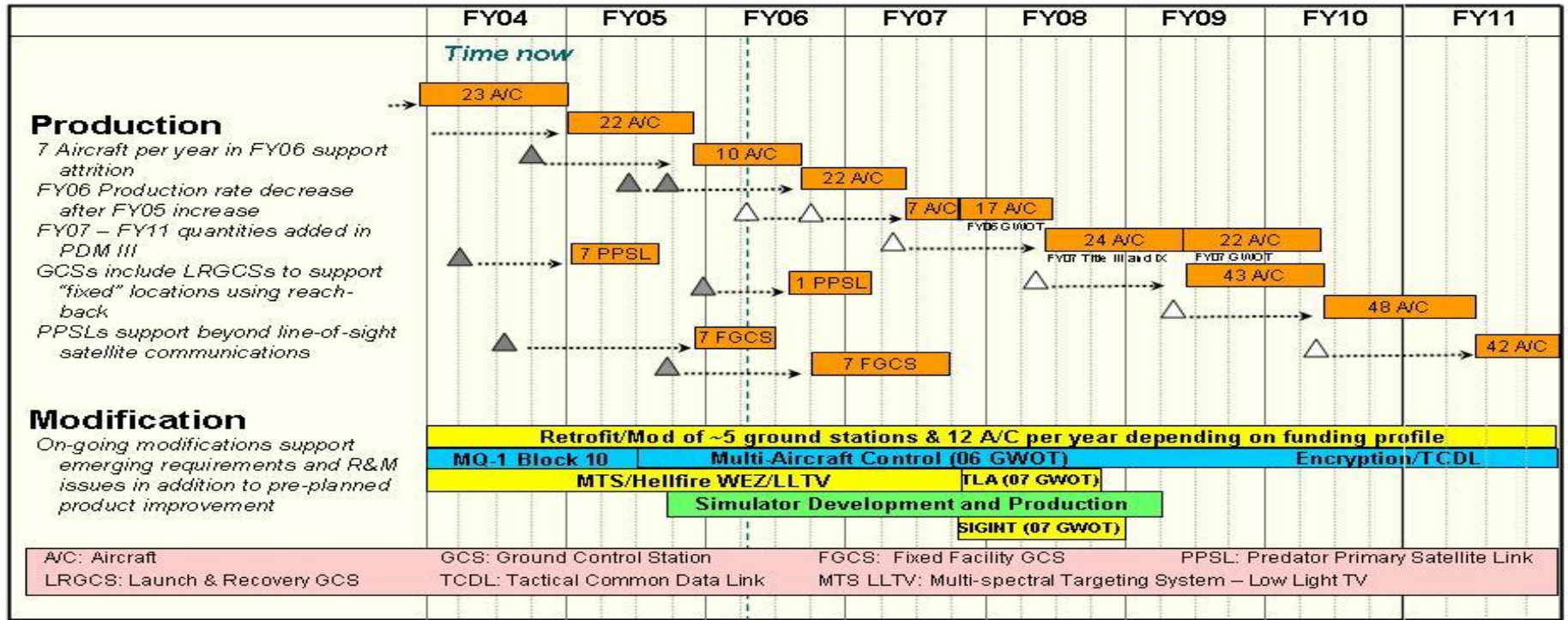


U.S. AIR FORCE

MQ-1 Predator Schedule



Dominant Air Power: Design for Tomorrow... Deliver Today



As of: 17 Jan 06

Exhibit R-4, RDT&E Schedule Profile

DATE

February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305219F PREDATOR
DEVELOPMENT/FIELDING

PROJECT NUMBER AND TITLE
5143 Predator

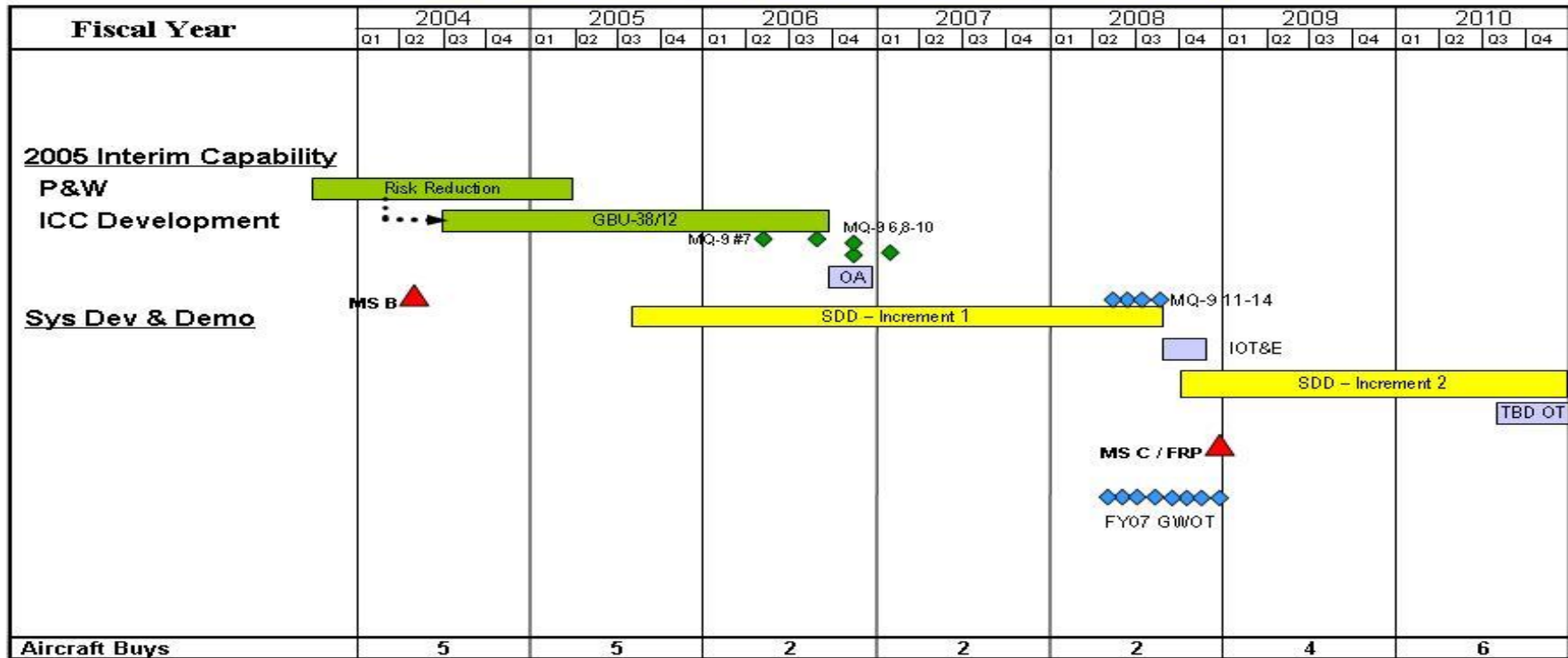


U.S. AIR FORCE

MQ-9 Program Plan



Dominant Air Power: Design For Tomorrow... Deliver Today



As of: 17 Jan 06

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0305219F PREDATOR DEVELOPMENT/FIELDING
		PROJECT NUMBER AND TITLE 5143 Predator
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) Target Location Accuracy		<u>FY07 GWOT</u> 4Q
(U) SIGINT		4Q
(U) Multiple Aircraft Control	4Q	
<p align="left">Project 5143</p> <p align="center">R-1 Line Item No. 203 Page-9 of 9</p> <p align="right">Exhibit R-4a (PE 0305219F)</p>		

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PE NUMBER: 0305220F
 PE TITLE: GLOBAL HAWK DEVELOPMENT/FIELDING

Exhibit R-2, RDT&E Budget Item Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305220F GLOBAL HAWK DEVELOPMENT/FIELDING
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	19.033	0.000	0.000	0.000	0.000	Continuing	TBD
5144 Global Hawk	0.000	0.000	19.033	0.000	0.000	0.000	0.000	Continuing	TBD

Global Hawk and Predator no longer share the same Program Element (PE). Effective FY05, Global Hawk funding will be in PE 0305220F, project 675144. The new PE was named GLOBAL HAWK DEVELOPMENT/FIELDING. Predator funding moved to PE 0305219F, project 675143. This PE was named PREDATOR DEVELOPMENT/FIELDING. Beginning in FY06, Signals Intelligence (SIGINT) development and integration funding for all platforms, including Global Hawk, transfers to the Airborne SIGINT Enterprise PE 0304260F.

(U) A. Mission Description and Budget Item Justification

Global Hawk RQ-4 is a high-altitude endurance, unmanned aerial system developed for the intelligence, surveillance, and reconnaissance role.

FY07 GWOT JUSTIFICATION:

The FY2007 GWOt Supplemental requests funds for two efforts. The first effort for \$2.033M is for development and integration of a Measurement and signatures intelligence (MASINT) collection capability into the Mission Control Element (ground station) which will allow the Global Hawk radar sensor to participate in the hunt for improvised explosive devices (IEDs). This development effort for the MCE will last for two years. The second portion of the development will be requested in FY08.

The second effort for \$17M is the development of unmanned aerial system (UAS) interim signals intelligence (SIGINT) payloads. The Air Force believes these funds would be best placed in the Airborne SIGINT Enterprise program element (PE34260F) in BPAC 675183 for Common Development. The Air Force sees this as the best fit option to maximize interim and long-term capabilities across numerous UASs, and also sees this as the best method to avoid disrupting the Global Hawk program of record as it progresses towards and through the initial operational test and evaluation (IOT&E) of Global Hawk Block 20 and Block 30.

This program is budget activity 7, Operational Systems Development, because it utilizes Air Force R&D to develop a highly capable operational system.

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Exhibit R-2a, RDT&E Project Justification

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0305220F GLOBAL HAWK DEVELOPMENT/FIELDING			PROJECT NUMBER AND TITLE 5144 Global Hawk		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY 2008 Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5144 Global Hawk	0.000	0.000	19.033	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

Global Hawk and Predator no longer share the same Program Element (PE). Effective FY05, Global Hawk funding was moved to PE 0305220F, project 675144. The new PE was named GLOBAL HAWK DEVELOPMENT/FIELDING. Predator funding moved to PE 0305219F, project 675143. This PE was named PREDATOR DEVELOPMENT/FIELDING. Beginning in FY06, Signals Intelligence (SIGINT) development and integration funding for all platforms, including Global Hawk, was transferred to the Airborne SIGINT Enterprise PE 0304260F.

(U) A. Mission Description and Budget Item Justification

Global Hawk RQ-4 is a high-altitude endurance, unmanned aerial system developed for the intelligence, surveillance, and reconnaissance role.

FY07 GWOT JUSTIFICATION:

The FY2007 GWoT Supplemental requests funds for two efforts. The first effort for \$2.033M is for development and integration of a Measurement and signatures intelligence (MASINT) collection capability into the Mission Control Element (ground station) which will allow the Global Hawk radar sensor to participate in the hunt for improvised explosive devices (IEDs). This development effort for the MCE will last for two years. The second portion of the development will be requested in FY08.

The second effort for \$17M is the development of unmanned aerial system (UAS) interim signals intelligence (SIGINT) payloads. The Air Force believes these funds would be best placed in the Airborne SIGINT Enterprise program element (PE34260F) in BPAC 675183 for Common Development. The Air Force sees this as the best fit option to maximize interim and long-term capabilities across numerous UASs, and also sees this as the best method to avoid disrupting the Global Hawk program of record as it progresses towards and through the initial operational test and evaluation (IOT&E) of Global Hawk Block 20 and Block 30.

This program is budget activity 7, Operational Systems Development, because it utilizes Air Force R&D to develop a highly capable operational system.

(U) B. Accomplishments/Planned Program (\$ in Millions)

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>
(U) Interim SIGINT sensor developments			17.000
(U) MCE MASINT capability with Global Hawk SAR sensor integration			2.033
(U) Total Cost	0.000	0.000	19.033

Exhibit R-2a, RDT&E Project Justification	DATE February 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305220F GLOBAL HAWK DEVELOPMENT/FIELDING	PROJECT NUMBER AND TITLE 5144 Global Hawk
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(U) **C. Other Program Funding Summary (\$ in Millions)**

<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>Cost to</u>	<u>Total Cost</u>
<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	

(U)

(U) **D. Acquisition Strategy**

The Global Hawk program uses a Spiral Development strategy to provide the warfighter with a near-term, combat capability with increased, time-phased capability improvements as technology and risk achieve satisfactory levels.

(U) **E. Major Performers**

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations contributing to this effort that received 15% or over \$10 million.)

<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) Northrop Grumman Information Systems	El Segundo CA	Sensor and Ground Station Development	Apr-07

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
February 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305220F GLOBAL HAWK DEVELOPMENT/FIELDING	PROJECT NUMBER AND TITLE 5144 Global Hawk
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(U) <u>Cost Categories</u> (Tailor to WBS, or System/Item Requirements) (\$ in Millions)	<u>Contract Method & Type</u>	<u>Performing Activity & Location</u>	<u>Total Prior to FY06 GWOT Cost</u>	<u>FY06</u>		<u>FY07 Title</u>		<u>FY07</u>		<u>Total Cost</u>	<u>Target Value of Contract</u>
				<u>GWOT Cost</u>	<u>Award Date</u>	<u>IX Cost</u>	<u>Award Date</u>	<u>GWOT Cost</u>	<u>Award Date</u>		
(U) <u>Product Development</u> SIGINT sensor development	SS CPAF	Northrop Grumman Electronic Systems Laboratory, San Jose, CA						17.000	0.000	17.000	TBD
Ground station development	SS CPAF	Raytheon, Falls Church, VA						2.033	0.000	2.033	TBD
Subtotal Product Development			0.000	0.000		0.000		19.033	0.000	19.033	TBD
Remarks:											
(U) <u>Support</u>										0.000	
Subtotal Support			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Test & Evaluation</u>										0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) <u>Management</u>										0.000	
Subtotal Management			0.000	0.000		0.000		0.000	0.000	0.000	0.000
Remarks:											
(U) Total Cost			0.000	0.000		0.000		19.033	0.000	19.033	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE
February 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305220F GLOBAL HAWK
DEVELOPMENT/FIELDING

PROJECT NUMBER AND TITLE
5144 Global Hawk

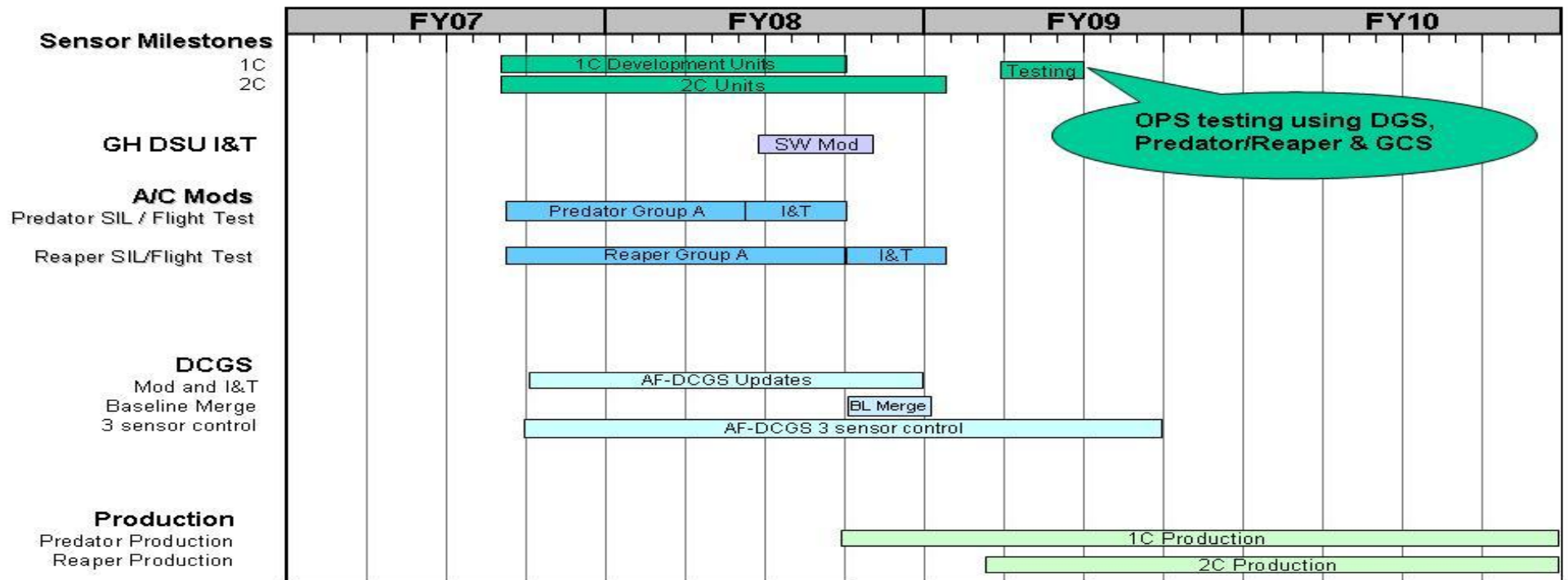


U.S. AIR FORCE

Preliminary Schedule



Dominant Air Power: Design For Tomorrow... Deliver Today



Development = 18 Months; Production Deliveries Start 12 Mo ARO

Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development		PROJECT NUMBER AND TITLE 5144 Global Hawk
PE NUMBER AND TITLE 0305220F GLOBAL HAWK DEVELOPMENT/FIELDING		
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) Contract award interim SIGINT sensor development		4Q
(U) Contract award for incorporating radar sensor MASINT capabilities into the Global Hawk MCE		4Q
<p>Project 5144</p> <p>R-1 Line Item No. 204</p> <p>Page-7 of 7</p> <p>Exhibit R-4a (PE 0305220F)</p>		

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