

UNITED STATES AIR FORCE

Committee Staff Procurement Backup Book FY 2008 Global War on Terror Budget Amendment



September 2007

**AIRCRAFT PROCUREMENT, VOL I & VOL II; PROCUREMENT OF
AMMUNITION; MISSILE PROCUREMENT; OTHER PROCUREMENT; AND
RESEARCH, DEVELOPMENT AND EVALUATION (RDT&E)**

OPR: SAF/FMB

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FY 2008 Global War on Terror Budget Amendment - Procurement P-1 Exhibit

Appn	BA	P-1 Line	Line Item Name	Original FY08 GWOT (\$000)	FY08 GWOT Budget Amendment (MRAP) (\$000)	FY08 GWOT Cost Adjustment (\$000)	Total FY08 GWOT (\$000)
OPAF	02	2	Passenger Carrying Vehicles	\$ 23,396	\$ -	\$ -	\$ 23,396
OPAF	02	3	Medium Tactical Vehicle	\$ 7,624	\$ 568,000	\$ -	\$ 575,624
OPAF	02	7	Security and Tactical Vehicles	\$ 155,315	\$ -	\$ -	\$ 155,315
OPAF	02	8	Fire Fighting/Crash Rescue Vehicles	\$ 15,200	\$ -	\$ -	\$ 15,200
OPAF	02	9	Halvorsen Loader	\$ 27,000	\$ -	\$ -	\$ 27,000
OPAF	02	10	Runway Snow Removal and Cleaning Equipment	\$ 6,987	\$ -	\$ -	\$ 6,987
OPAF	02	11	Items Less Than \$5 Million (Vehicles)	\$ 1,625	\$ -	\$ 12,500	\$ 14,125
OPAF	03	18	National Airspace System	\$ 4,200	\$ -	\$ -	\$ 4,200
OPAF	03	21	Strategic Command and Control	\$ 4,200	\$ -	\$ -	\$ 4,200
OPAF	03	24	General Information Technology	\$ 15,776	\$ -	\$ 1,500	\$ 17,276
OPAF	02	26	Mobility Command and Control	\$ -	\$ -	\$ 24,000	\$ 24,000
OPAF	03	27	Air Force Physical Security System	\$ 109,000	\$ -	\$ -	\$ 109,000
OPAF	03	28	Combat Training Ranges	\$ 10,000	\$ -	\$ -	\$ 10,000
OPAF	03	31	Global Combat Support System - AF Family of Systems	\$ 15,024	\$ -	\$ -	\$ 15,024
OPAF	03	34	Base Info Infrastructure	\$ 231,000	\$ -	\$ -	\$ 231,000
OPAF	03	NA	Defense Messaging	\$ -	\$ -	\$ 400	\$ 400
OPAF	03	40	Spacelift Range System Space	\$ 20,000	\$ -	\$ -	\$ 20,000
OPAF	03	44	Tactical C-E Equipment	\$ -	\$ -	\$ 11,100	\$ 11,100
OPAF	04	52	Night Vision Goggles	\$ -	\$ -	\$ 2,500	\$ 2,500
OPAF	04	57	Contingency Operations	\$ -	\$ -	\$ 9,200	\$ 9,200
OPAF	04	60	Items Less Than \$5 Million (Base Support)	\$ 156,000	\$ -	\$ 21,200	\$ 177,200
OPAF	04	63	Distributed Ground Systems	\$ 12,500	\$ -	\$ 15,000	\$ 27,500
OPAF	04	xx	Classified Programs	\$ 2,945,359	\$ -	\$ 196,100	\$ 3,141,459
Total OPAF				\$ 3,760,206	\$ 568,000	\$ 293,500	\$ 4,621,706

FY 2008 Global War on Terror Budget Amendment - Procurement P-1 Exhibit

Appn	BA	P-1 Line	Line Item Name	Original FY08 GWOT Cost (\$000)	FY08 GWOT Budget Amendment (MRAP) (\$000)	FY08 GWOT Cost Adjustment (\$000)	Total FY08 GWOT (\$000)
MPAF	03	8	Advanced Cruise Missile Mods	\$ 600			\$ 600
MPAF	04	12	Initial Spares/Repair Parts	\$ 1,200			\$ 1,200
Total MPAF				\$ 1,800			\$ 1,800
Procurement of Ammunition, Air Force							
PAAF	01	2	Cartridges	\$ 33,954		\$ 1,200	\$ 35,154
PAAF	01	4	General Purpose Bombs	\$ 7,887		\$ -	\$ 7,887
PAAF	01	6	Joint Direct Attack Munitions	\$ 13,094		\$ -	\$ 13,094
PAAF	01	12	Items Less Than \$5 Million	\$ 12,100		\$ -	\$ 12,100
PAAF	01	13	Flares	\$ 6,495		\$ -	\$ 6,495
PAAF	01	14	Fuzes	\$ 475		\$ -	\$ 475
PAAF	01	15	Small Arms	\$ -		\$ 34,200	\$ 34,200
Total PAAF				\$ 74,005		\$ 35,400	\$ 109,405

FY 2008 Global War on Terror Budget Amendment - Procurement R-1 Exhibit

Appn	BA	R-1 Line	Program Element For R&D Lines	Line Item Name	Original FY08 GWOT Cost (000)	FY08 GWOT Budget Amendment (MRAP) (000)	FY08 GWOT Cost Adjustment (000)	Total FY08 GWOT (000)
RDT&E, AF	02	5	0602102F	Materials	\$ -		\$ 3,700	\$ 3,700
RDT&E, AF	02	14	0602702F	Command Control and Communications	\$ -		\$ 1,800	\$ 1,800
RDT&E, AF	03	20	0603112F	Advanced Materials for Weapon Systems	\$ 2,800		\$ 3,100	\$ 5,900
RDT&E, AF	03	22	0603231F	Crew Systems and Personnel Protection Technology	\$ -		\$ 300	\$ 300
RDT&E, AF	03	25	0603270F	Electronic Combat Technology			\$ 5,325	\$ 5,325
RDT&E, AF	04	57	0604327F	Hardened Target Munitions	\$ -		\$ 87,700	\$ 87,700
RDT&E, AF	05	67	0604226F	B-1B	\$ 40,000		\$ -	\$ 40,000
RDT&E, AF	05	70	0604240F	B-2 Advanced Technology Bomber	\$ 14,100		\$ -	\$ 14,100
RDT&E, AF	05	75	0604329F	Small Diameter Bomb	\$ 27,900		\$ -	\$ 27,900
RDT&E, AF	05	82	0604602F	Armament/Ordnance Development	\$ -		\$ 4,200	\$ 4,200
RDT&E, AF	05	84	0604617F	Agile Combat Support	\$ 3,800		\$ -	\$ 3,800
RDT&E, AF	05	87	0604735F	Combat Training Ranges	\$ 10,000		\$ -	\$ 10,000
RDT&E, AF	05	98	0207450F	E-10 Squadrons	\$ 178,390		\$ -	\$ 178,390
RDT&E, AF	06	110	0605807F	Test and Evaluation Support	\$ 21,815		\$ 300	\$ 22,115
RDT&E, AF	06	113	0605976F	Facility Restoration and Modernization- T&E	\$ 1,610		\$ -	\$ 1,610
RDT&E, AF	07	129	0207131F	A-10 Squadrons	\$ 230,000		\$ 50,000	\$ 280,000
RDT&E, AF	07	130	0207133F	F-16 Squadrons	\$ 55,300		\$ -	\$ 55,300
RDT&E, AF	07	131	0207134F	F-15E Squadrons	\$ 97,500		\$ -	\$ 97,500
RDT&E, AF	07	141	0207253F	Compass Call	\$ 5,600		\$ -	\$ 5,600
RDT&E, AF	07	142	0207268F	Aircraft Engine Component Improvement Prog (CIP)	\$ 20,000		\$ -	\$ 20,000
RDT&E, AF	07	144	0207325F	Joint Air-to-Surface Standoff Missile (JASSM)	\$ 23,000		\$ -	\$ 23,000
RDT&E, AF	07	145	0207410F	Air and Space Operations Center- Weapon System (AOC-WS)	\$ -		\$ 2,100	\$ 2,100
RDT&E, AF	07	147	0207417F	Airborne Warning and Control System (AWACS)	\$ 72,500		\$ -	\$ 72,500
RDT&E, AF	07	148	0207418F	TAC Airborne Control System	\$ -		\$ 3,096	\$ 3,096
RDT&E, AF	07	157	0207581F	Joint Surveillance/Target Attack Radar Sys (JSTARS)	\$ 291,600		\$ 27,908	\$ 319,508
RDT&E, AF	07	178	0303601F	MILSATCOM Terminals	\$ 79,750		\$ -	\$ 79,750
RDT&E, AF	07	201	0305202F	Dragon U-2 (JMIP)	\$ 660		\$ -	\$ 660
RDT&E, AF	07	202	0305206F	Airborne Reconnaissance Systems	\$ 1,520		\$ -	\$ 1,520
RDT&E, AF	07	206	0305220F	Global Hawk Development/Fielding	\$ 1,384		\$ 800	\$ 2,184
RDT&E, AF	07	214	0305940F	Space Situation Awareness Operations	\$ 8,900		\$ -	\$ 8,900
RDT&E, AF	07	242	0101314F	Night Fist USSTRATCOM	\$ 1,640		\$ -	\$ 1,640
RDT&E, AF	06	TBD	0401845F	SLC3S-A	\$ -		\$ 11,700	\$ 11,700
RDT&E, AF	07	xx	xxxxxxx	Classified Programs	\$ 180,012		\$ -	\$ 180,012
Total RDT&E, Air Force					\$ 1,369,781		\$ 202,029	\$ 1,571,810

UNITED STATES AIR FORCE
Committee Staff Procurement Backup Book
FY 2008 Global War on Terror Budget Amendment



September 2007

AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME I

OPR: SAF/FMB

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N/A

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N/A

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N/A

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Exhibit P-40, Budget Item Justification	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1	P-1 Line Item Nomenclature Joint Strike Fighter Squadrons
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Program Element for Code B Items:		N/A			Other Related Program Elements:				0604800F		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A				2	1				TBD	TBD
Cost (\$ M)					389.000	230.000				TBD	TBD
Advance Proc Cost (\$ M)										TBD	TBD
Weapon System Cost (\$ M)		0.000	0.000	0.000	389.000	230.000	0.000	0.000	0.000	TBD	TBD
Initial Spares (\$ M)			0.000		0.000	0.000	0.000	0.000	0.000	TBD	TBD
Total Proc Cost (\$ M)		0.000	0.000	0.000	389.000	230.000	0.000	0.000	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)			0.000		0.000	0.000	0.000	0.000	0.000	TBD	TBD
Wpn Sys Unit Cost (\$ M)			0.000		0.000	0.000	0.000	0.000	0.000	TBD	TBD

Description

The Joint Strike Fighter program will develop and field a family of aircraft that meets the needs of the USN, USAF, and USMC, and allies, with optimum commonality among the variants to minimize life cycle costs. Service Acquisition Executive (SAE) authority alternates between the Department of the Navy and the Department of the Air Force and currently resides with the Navy. The production cost and quantities are interdependent due to one manufacturer for the program. The DoN procurement begins in FY08; advance procurement begins in FY07.

FY 2008 GWOT Justification

Procures 1 F-35A Lightning II aircraft to replace combat loss of 1 F-16 aircraft.

FY 2008 Program Justification

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Exhibit P-5, Weapon System Cost Analysis								Date: September 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature					
Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1								Joint Strike Fighter Squadrons					
Manufacturer's Name/Plant City/State Location				Subline Item									
Lockheed Martin/Ft Worth TX													
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars											
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
Airframe/CFE	A										1	107.888	107.888
CFE Electronics	A										1	36.993	36.993
GFE Electronics	A												
Engines/Eng ACC	A										1	13.115	13.115
Armament	A												
ECO (Flyaway)	A												8.270
Subtotal Recurring Flyaway													166.266
Non-Recurring Cost	A												0.030
Ancillary Equip	B												3.370
Subtotal Non-Recurring Flyaway													3.400
Peculiar Ground Support Equipment	B												11.904
Peculiar Training Equipment	B												6.330
Publication/Technical Equipment	B												1.100
Field Support/ILS	B												21.000
Production Engineering Support	B												20.000
Subtotal Support Cost													60.334
Gross P-1 Cost													230.000
Advance Procurement Credit	A									0.000			
Net P-1 Cost													230.000
Advance Procurement	A									0.000			
Weapon System Cost													230.000
Initial Spares										0.000			
TOTAL PROGRAM													230.000
Comments													
1) Initial Spares are not broken out separately but are incorporated into the Weapon System Cost .													
2) Nonrecurring Costs includes funding for Diminishing Manufacturing Sources (DMS) necessary to protect JSF delivery schedule													
P-1 Shopping List Item No. 1								Weapon System Cost Analysis Exhibit P-5, page 2 of 8					

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Exhibit P-5, Weapon System Cost Analysis	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1	P-1 Line Item Nomenclature Joint Strike Fighter Squadrons
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Manufacturer's Name/Plant City/State Location	Subline Item
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Lockheed Martin/Ft Worth TX

Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
Airframe/CFE	A			
CFE Electronics	A			
GFE Electronics	A			
Engines/Eng ACC	A			
Armament	A			
ECO (Flyaway)	A			
Subtotal Recurring Flyaway				
Non-Recurring Cost	A			
Ancillary Equip	B			
Subtotal Non-Recurring Flyaway				
Peculiar Ground Support Equipment	B			
Peculiar Training Equipment	B			
Publication/Technical Equipment	B			
Field Support/ILS	B			
Production Engineering Support	B			
Subtotal Support Cost				
Gross P-1 Cost				
Advance Procurement Credit	A			
Net P-1 Cost				
Advance Procurement	A			
Weapon System Cost				
Initial Spares				
TOTAL PROGRAM				

Comments

- 1) Initial Spares are not broken out separately but are incorporated into the Weapon System Cost .
- 2) Nonrecurring Costs includes funding for Diminishing Manufacturing Sources (DMS) necessary to protect JSF delivery schedule

P-1 Shopping List Item No. 1	Weapon System Cost Analysis Exhibit P-5, page 3 of 8
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Exhibit P-5A, Procurement History and Planning	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 01, Combat Aircraft, Item No. 1	P-1 Line Item Nomenclature Joint Strike Fighter Squadrons
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<u>Weapon System</u>					Subline Item						
JSF					Joint Strike Fighter Squadrons						
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Lockheed Martin (FY08)	1	153.151	Arlington, VA		SS	Other	Lockheed Martin, Ft Worth, TX	Mar-08	Feb-10	No	N/A
Pratt & Whitney (FY08)	1	13.115	Arlington, VA		SS	Other	Pratt & Whitney, East Hartford, CT	Mar-08	Feb-10	No	N/A

Remarks

- Award dates are projected pending annual DAB approval and confirmation of annual contract plan.
- Request for Proposal Issue Dates are TBD.
- Contract Type, per draft updated Acquisition Strategy: "Cost Plus Incentive Award Fee (CPIAF) contracts are planned for the initial LRIP lots, transitioning to Fixed Price Incentive (Firm Target) (FPI(F)) contracts once the air vehicle has a mature design, has been demonstrated in flight test, and is producible at established cost targets.
- Initial Spares are not broken out separately but are incorporated into the Weapon System Cost .

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Exhibit P-40, Budget Item Justification	Date: September 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8	C-130J

Program Element for Code B Items:		N/A			Other Related Program Elements:				N/A		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A		3		5	17					25
Cost (\$ M)			216.000		388.000	1356.300				TBD	TBD
Advance Proc Cost (\$ M)										TBD	TBD
Weapon System Cost (\$ M)		0.000	216.000	0.000	388.000	1356.300	0.000	0.000	0.000	TBD	TBD
Initial Spares (\$ M)			0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000
Total Proc Cost (\$ M)		0.000	216.000	0.000	388.000	1356.300	0.000	0.000	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)			65.800	0.000	68.500	67.118	0.000	0.000	0.000	TBD	TBD
Wpn Sys Unit Cost (\$ M)			66.100	0.000	69.000	67.618	0.000	0.000	0.000	TBD	TBD

Description

The C-130J is a medium-size transport aircraft capable of performing a variety of combat delivery (tactical airlift) operations across a broad range of mission environments. The C-130J aircraft, with its extended (by 15 ft) fuselage, provides additional cargo carrying capacity for the USAF combat delivery mission compared with legacy C-130E/Hs and the C-130J (short). Special mission variants of the C-130J conduct airborne psychological operations (EC-130J) and weather reconnaissance (WC-130J).

FY 2008 Program Justification

The 2008 GWOT request includes 15 C-130Js and 2 MC-130Js. 5 C-130Js are required to replace the remaining 5 C-130Hs that are being converted into 10 MC-130Ws (5 C-130Js were approved in the FY07 GWOT supplemental to replace the other 5 C-130Hs provided to SOF for conversion). 7 C-130Js are required to reconstitute a stressed C-130 fleet being used extensively in support of the global war on terror. C-130 aircraft have logged 196,000 overfly hours from FY02 which have decreased the projected service life of the existing C-130 fleet. Three additional C-130Js are to replace non-combat losses. 2 MC-130J tankers are needed to augment the low density/high demand special operations tanker fleet. The requested funding includes all required initial spares, support equipment, readiness spares, and government furnished equipment.

Six propeller assemblies are required to increase propeller availability to support current C-130J GWOT operations.

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Exhibit P-5, Weapon System Cost Analysis								Date: September 2007						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature						
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8								C-130J						
Manufacturer's Name/Plant City/State Location						Subline Item								
Lockheed Martin Aero-Marietta						C-130J (BPAC 10400C)								
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars												
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
Combat Delivery Airframe	A	3	64.000	192.000				5	66.500	332.500	15	65.000	975.000	
Tanker Airframe											2	66.000	132.000	
Avionics	A													
Armament	A													
Software	A													
Other Government Furnished Equipment (GFE)	A			5.400						10.000			34.000	
Engineering Change Orders (ECO)	A													
Nonrecurring Costs	A													
Other Costs	A													
FLYAWAY COST SUBTOTAL				197.400						342.500			1141.000	
Airframe Peculiar Ground Support Equipment (PGSE)	A			0.600						2.500			10.000	
Peculiar Training Equipment	A													
Publications/Technical Data	A													
ECOs	A													
ICS	A												2.000	
ISS	A			12.800						38.000			157.500	
Propeller Assemblies	A												1.800	
Data	A													
Post Delivery Support	A													
Organic Depot Support	A													
Other	A													
SUPPORT COST SUBTOTAL				13.400						40.500			171.300	
EOQ	A													
Advanced Procurement	A													
Less prorated FY03 EOQ														
Less prorated FY04 EOQ	A													
Less prorated FY05 EOQ	A													

P-1 Shopping List Item No. 8

Weapon System Cost Analysis
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Exhibit P-5, Weapon System Cost Analysis										Date: September 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8										P-1 Line Item Nomenclature C-130J				
Manufacturer's Name/Plant City/State Location Lockheed Martin Aero-Marietta					Subline Item C-130J (BPAC 10400C)									
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars												
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
Less previous year advance procurement	A													
Withhold	A													
MC-130 peculiar items														27.000
Diminishing Manufacturing Sources	A			5.200						5.000				17.000
TOTAL PROGRAM				216.000						388.000				1356.300
Comments														
Effective 1 Oct 99, initial spares requirements migrated to Interim Supply Support (ISS) under the Reengineered Supply Support Process (RSSP) umbrella in BP10.														

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Exhibit P-5, Weapon System Cost Analysis				Date: September 2007	
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number				P-1 Line Item Nomenclature	
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8				C-130J	
Manufacturer's Name/Plant City/State Location			Subline Item		
Lockheed Martin Aero-Marietta			C-130J (BPAC 10400C)		
Weapon System Cost Elements	Ident Code	Cost to Complete			
		Qty	Unit Cost	Total Cost	
Combat Delivery Airframe	A				
Tanker Airframe					
Avionics	A				
Armament	A				
Software	A				
Other Government Furnished Equipment (GFE)	A				
Engineering Change Orders (ECO)	A				
Nonrecurring Costs	A				
Other Costs	A				
FLYAWAY COST SUBTOTAL					
Airframe Peculiar Ground Support Equipment (PGSE)	A				
Peculiar Training Equipment	A				
Publications/Technical Data	A				
ECOs	A				
ICS	A				
ISS	A				
Propeller Assemblies	A				
Data	A				
Post Delivery Support	A				
Organic Depot Support	A				
Other	A				
SUPPORT COST SUBTOTAL					
EOQ	A				
Advanced Procurement	A				
Less prorated FY03 EOQ					
Less prorated FY04 EOQ	A				
Less prorated FY05 EOQ	A				

P-1 Shopping List Item No. 8

Weapon System Cost Analysis
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Exhibit P-5, Weapon System Cost Analysis	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8	P-1 Line Item Nomenclature C-130J
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Manufacturer's Name/Plant City/State Location Lockheed Martin Aero-Marietta	Subline Item C-130J (BPAC 10400C)
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Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
		Less previous year advance procurement	A	
Withhold	A			
MC-130 peculiar items				
Diminishing Manufacturing Sources	A			
TOTAL PROGRAM				

Comments
Effective 1 Oct 99, initial spares requirements migrated to Interim Supply Support (ISS) under the Reengineered Supply Support Process (RSSP) umbrella in BP10.

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Exhibit P-5A, Procurement History and Planning								Date: September 2007			
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature			
Aircraft Procurement, Air Force, Budget Activity 02, Airlift Aircraft, Item No. 8								C-130J			
<u>Weapon System</u>					Subline Item						
C-130J					C-130J (BPAC 10400C)						
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Lockheed Martin - Aero-Marietta FY06	8	66.500	WPAFB	Apr-02	C	Multiyear FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Jan-06	Dec-06	Yes	
Lockheed Martin - Aero-Marietta FY06 GWOT	3	64.100	WPAFB	Oct-06	C	FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Dec-06	Jan-10	Yes	
Lockheed Martin - Aero-Marietta FY07	9	59.100	WPAFB	Apr-02	C	Multiyear FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Dec-06	Dec-07	Yes	
Lockheed Martin - Aero-Marietta FY07 GWOT	5	66.500	WPAFB	Aug-06	C	FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Sep-07	Apr-10	Yes	
Lockheed Martin - Aero-Marietta FY08 GWOT	15	65.000	WPAFB	Aug-06	C	FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Jun-08	Dec-10	Yes	
Lockheed Martin - Aero-Marietta FY08 GWOT	2	66.000	WPAFB	Dec-07	C	FFP	Lockheed Martin - Aero, Marietta, GA 30063-0290	Jun-08	Jun-11	No	Mar-08
Remarks											
The FAR Part 15 C-130J Multiyear Contract procures aircraft through FY08. The GWOT aircraft are being placed on a separate FAR Part 15 option contract											
P-1 Shopping List Item No. 8						Procurement History and Planning Exhibit P-5A, page 6 of 15					

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

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	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A				1	5					6
Cost (\$ M)					146.300	492.500					638.800
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	0.000	0.000	146.300	492.500	0.000	0.000	0.000	0.000	638.800
Initial Spares (\$ M)						116.600					116.600
Total Proc Cost (\$ M)		0.000	0.000	0.000	146.300	609.100	0.000	0.000	0.000	0.000	755.400
Flyaway Unit Cost (\$ M)					93.852	69.645					93.852
Wpn Sys Unit Cost (\$ M)					146.300	75.180					99.252

Description

The CV-22 is a Special Operations Forces (SOF) variant of the V-22 vertical lift, multi-mission aircraft. The CV-22 will provide critical capability to insert, extract, and resupply special operation forces into politically or militarily denied areas, not currently provided by existing aircraft. The Navy is the lead service for the joint V-22 program and is responsible for managing and funding the development of all V-22 variants, including the CV-22. The program will procure and field 50 CV-22 aircraft and associated support equipment. The Air Force funds the procurement of the basic aircraft (V-22 common components) and contractor logistics support for operational testing and Type I training. USSOCOM funds the procurement of SOF systems unique to the CV-22, such as the terrain following radar and electronic warfare suite. The Air Force funds 85 percent of the procurement cost for CV-22 training systems, while USSOCOM funds 15 percent. The Air Force and Navy utilize joint training facilities at MCAS New River, NC to conduct all maintenance, training, and initial V-22 aircrew qualification training. CV-22 SOF-unique aircrew mission qualification training will be conducted at the Special Operations Mission Qualification Schoolhouse at Kirtland AFB, NM.

Note: Two Production Representative Test Vehicles (PRTV) were built using FY02 RDT&E and will be part of the total fleet of 50 CV-22s. These two PRTV aircraft were initially used for operational testing and are now being used for aircrew training.

FY 2008 Program Justification

The FY08 GWOT request funds the USAF portion of the procurement of five additional CV-22 aircraft as well as associated support. USSOCOM's requirement for SOF-unique mission equipment for the five CV-22s is \$173.8M. These five additional aircraft would deliver in FY11 and FY12. The additional CV-22s will begin to mitigate the SOF mobility lift gap due to the loss of three MH-53 aircraft in OEF and three MH-53 aircraft in OIF.

Note 1. The FY07 GWOT Supplemental request for one CV-22 included funding for the basic aircraft traditionally funded by USAF (MFP-4) as well as SOF-unique CV-22 requirements, traditionally funded by USSOCOM (MFP-11). As a result the unit costs for the CV-22 appear significantly higher in FY07.

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Exhibit P-5, Weapon System Cost Analysis								Date: September 2007						
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number								P-1 Line Item Nomenclature						
Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 13								CV-22 (Osprey)						
Manufacturer's Name/Plant City/State Location					Subline Item									
Bell-Boeing / Amarillo / TX														
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars												
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
Air Frame CFE	A							1	76.307	76.307	5	59.957	299.784	
Engines/Accessories	A									4.291			21.990	
CFE Electronics	A									5.525				
GFE Electronics	A									4.456			5.454	
Engineering Change Orders (ECO)	A									3.273			5.996	
Nonrecurring Cost	A									0.000			15.000	
Parts Obsolescence	A									0.000				
TOTAL FLYAWAY COST										93.852			348.224	
Airframe PGSE	A									0.000			7.355	
Engine PGSE	A									0.000			0.760	
Avionics PGSE	A									0.000			4.533	
Other ILS	A									5.400			12.708	
Production Engr Support	A									0.000				
Common SE	A									0.000			2.320	
SUPPORT COST										5.400			27.676	
Gross P-1 Cost										99.252			375.900	
Net P-1 Cost										99.252			375.900	
Initial Spares										47.048			116.600	
Weapon System Cost										146.300			375.900	
TOTAL PROGRAM										146.300			492.500	
Comments														
1. The FY07 GWOT Supplemental request for one CV-22 included funding for the basic aircraft traditionally funded by USAF (MFP-4) as well as SOF-unique CV-22 requirements, traditionally funded by USSOCOM (MFP-11). As a result the unit costs for the CV-22 appear significantly higher in FY07.														

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Exhibit P-5, Weapon System Cost Analysis	Date: September 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. 13	P-1 Line Item Nomenclature CV-22 (Osprey)
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Manufacturer's Name/Plant City/State Location Bell-Boeing / Amarillo / TX	Subline Item
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Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
Air Frame CFE	A			
Engines/Accessories	A			
CFE Electronics	A			
GFE Electronics	A			
Engineering Change Orders (ECO)	A			
Nonrecurring Cost	A			
Parts Obsolescence	A			
TOTAL FLYAWAY COST				
Airframe PGSE	A			
Engine PGSE	A			
Avionics PGSE	A			
Other ILS	A			
Production Engr Support	A			
Common SE	A			
SUPPORT COST				
Gross P-1 Cost				
Net P-1 Cost				
Initial Spares				
Weapon System Cost				
TOTAL PROGRAM				

Comments

1. The FY07 GWOT Supplemental request for one CV-22 included funding for the basic aircraft traditionally funded by USAF (MFP-4) as well as SOF-unique CV-22 requirements, traditionally funded by USSOCOM (MFP-11). As a result the unit costs for the CV-22 appear significantly higher in FY07.

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Exhibit P-5A, Procurement History and Planning	Date: September 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. 13	P-1 Line Item Nomenclature CV-22 (Osprey)
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<u>Weapon System</u>				Subline Item							
CV-22											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
Aircraft Procurement (FY04)	2		NAVAIR	Apr-03	SS	CPIF	Bell-Boeing, Patuxent River, MD	Jun-04	Feb-06	Yes	
Aircraft Procurement (FY05)	3		NAVAIR	May-04	SS	FPI	Bell-Boeing, Patuxent River MD	Dec-04	Nov-06	Yes	
Aircraft Procurement (FY06)	2		NAVAIR	Mar-05	SS	FFP	Bell-Boeing, Patuxent River, MD	Dec-05	Jan-08	Yes	
Aircraft Procurement (FY07)	2		NAVAIR	Mar-06	SS	FFP	Bell-Boeing, Amarillo, TX	Dec-06	Jan-09	Yes	
Aircraft Procurement (FY07 GWOT)	1		NAVAIR	Jul-07	SS	FFP	Bell-Boeing, Amarillo, TX	Sep-07	Oct-10	Yes	
Aircraft Procurement (FY08 GWOT)	5		NAVAIR	Jul-07	SS	FFP	Bell-Boeing, Amarillo, TX	Dec-07	Feb-11	Yes	

Remarks

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Exhibit P-40, Budget Item Justification	Date: September 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number	P-1 Line Item Nomenclature
Aircraft Procurement, Air Force, Budget Activity 04 , Item No. 21	PREDATOR UAV

Program Element for Code B Items:		N/A			Other Related Program Elements:				None		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Cost (\$ M)						191.600				TBD	TBD
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	0.000	0.000	0.000	191.600	0.000	0.000	0.000	TBD	TBD
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	0.000	191.600	0.000	0.000	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

FY08 GWOT

\$191.6M - Procures 24 MQ-1 Predator aircraft, 6 ground control stations, spares, support and communications equipment to expand Predator combat air patrol capability. Maintains Predator production at maximum capacity while the fleet is expanded to meet increased demands in the Global War on Terrorism. Adds equipment for 6 additional 24-hour combat air patrols.

FY 2008 Program Justification

Procurement funding includes MQ-1 Predator aircraft, sensors and weapons kits, ground control stations, ground communications systems, production support, ground data terminals, initial spares, Readiness Spares Packages, and support equipment.

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Exhibit P-5, Weapon System Cost Analysis										Date: September 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04 , Item No. 21										P-1 Line Item Nomenclature PREDATOR UAV				
Manufacturer's Name/Plant City/State Location General Atomics ASI/Rancho Bernardo/CA					Subline Item									
Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars												
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
MQ-1 Predator Aircraft											24		98.185	
Ground Control Stations											6		16.220	
Production Support													6.018	
Communication Systems													4.600	
Initial/Deployment Support Kits													51.253	
Support Equipment													15.324	
TOTAL PROGRAM													191.600	
Comments														

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Exhibit P-5, Weapon System Cost Analysis	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04 , Item No. 21	P-1 Line Item Nomenclature PREDATOR UAV
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Manufacturer's Name/Plant City/State Location General Atomics ASI/Rancho Bernardo/CA	Subline Item
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Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
		MQ-1 Predator Aircraft		TBD
Ground Control Stations		TBD		
Production Support		TBD		
Communication Systems		TBD		
Initial/Deployment Support Kits		TBD		
Support Equipment		TBD		
TOTAL PROGRAM				

Comments

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Exhibit P-5A, Procurement History and Planning	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04 , Item No. 21	P-1 Line Item Nomenclature PREDATOR UAV
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<u>Weapon System</u>				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?
MQ-1/General Atomics ASI	24		658th/PK		SS	FFP	General Atomics ASI, Rancho Bernardo CA				
GCS	6		658th/PK		SS	FFP	General Atomics ASI, Rancho Bernardo CA				

Remarks

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Exhibit P-40, Budget Item Justification	Date: September 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. 22	P-1 Line Item Nomenclature MQ-9
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Program Element for Code B Items:		N/A			Other Related Program Elements:				None		
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Cost (\$ M)						149.100				TBD	TBD
Advance Proc Cost (\$ M)											0.000
Weapon System Cost (\$ M)		0.000	0.000	0.000	0.000	149.100	0.000	0.000	0.000	TBD	TBD
Initial Spares (\$ M)											0.000
Total Proc Cost (\$ M)		0.000	0.000	0.000	0.000	149.100	0.000	0.000	0.000	TBD	TBD
Flyaway Unit Cost (\$ M)											
Wpn Sys Unit Cost (\$ M)											

Description

Procures 8 MQ-9 Reaper aircraft, 2 ground control stations, spares, support and communications equipment to expand Special Operations Reaper combat air patrols. Reaper aircraft are in continued high demand in the Global War in Terrorism. Increases Reaper production to near capacity to expand the fleet to meet evolving Special Operations requirements. Special Operation Reaper aircraft will conduct direct action and special reconnaissance across the full range of special military operations for which no broad conventional force is available, including operations in hostile, denied or politically sensitive environments.

FY 2008 Program Justification

Procurement funding includes MQ-9 Reaper aircraft, sensors and weapons kits, ground control stations, ground communications systems, production support, ground data terminals, initial spares, Readiness Spares Packages, and support equipment.

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Exhibit P-5, Weapon System Cost Analysis										Date: September 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22										P-1 Line Item Nomenclature MQ-9				
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			FY08 GWOT		
			Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
MQ-9 Reaper Aircraft	A										8	12.499	99.990	
Production Support	A												4.900	
Ground Control Systems	A												5.400	
Communications Systems	A												1.536	
Initial/Deployment Support Kits	A												32.166	
Support Equipment	A												5.108	
TOTAL PROGRAM													149.100	
Comments														

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Exhibit P-5, Weapon System Cost Analysis	Date: September 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. 22	P-1 Line Item Nomenclature MQ-9
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Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
		MQ-9 Reaper Aircraft	A	
Production Support	A			
Ground Control Systems	A			
Communications Systems	A			
Initial/Deployment Support Kits	A			
Support Equipment	A			
TOTAL PROGRAM				

Comments

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Exhibit P-5A, Procurement History and Planning	Date: September 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. 22	P-1 Line Item Nomenclature MQ-9
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<u>Weapon System</u>				Subline Item							
MQ-9											
WBS Cost Elements	Qty	Unit Cost	Location of PCO	RFP Issue Date	Contract Method	Contract Type	Contractor and Location	Award Date	Date of First Delivery	Specs Available Now?	Date Revision Available?
MQ-9 Reaper	8		658th/PK		SS	FFP	General Atomics ASI, Rancho Bernardo CA				
GCS	2		658th/PK		SS	FFP	General Atomics ASI, Rancho Bernardo CA				

Remarks

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Exhibit P-40, Budget Item Justification							Date: September 2007				
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 04, Other Aircraft, Item No. 22A							P-1 Line Item Nomenclature GLIDER				
Program Element for Code B Items:			N/A		Other Related Program Elements:			0804748F			
	ID Code	Prior Years	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)			0.000	0.000	0.000	0.150	0.000	0.000	0.000		0.150

Description

The TG-10D is commercial-off-the-shelf version of the Blanik L-33 glider available from Aircraft Industries Incorporated in the Czech Republic. The current USAF fleet of four TG-10D gliders has been declared excess by the United States Air Force Academy and is awaiting disposition by Air Education and Training Command.

FY 2008 Program Justification

Estimated cost for a TG-10D is no more than \$150 thousand, including program office support and other government costs.

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

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	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)			0.000	0.000	0.000	116.900	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 then 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. , Hurlburt 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.

FY08 GWOT SUPPLEMENTAL:

- CV-22: (\$116.6M) For the FY08 GWOT Supplemental, \$116.6M of the \$492.5M request is required for initial spares to support CV-22 operations at special operations sites (i.e., Hurlburt 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

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Exhibit P-40, Budget Item Justification	Date: September 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
<p><u>Description Continued</u></p> <p>- B-2: (\$300K) (Weapon System Trainer) The initial spares funds buys the initial spares for the trainer. The major part of the trainer upgrade is new processors, and that will be the bulk of what the initial spares funding buys</p> <p><u>FY 2008 Program Justification</u></p>	
P-1 Shopping List Item No. 63	Budget Item Justification Exhibit P-40, page 2 of 6

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Exhibit P-5, Weapon System Cost Analysis	Date: September 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. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Total Cost in Millions of Dollars												
		FY06 GWOT			FY07 Title IX			FY07 GWOT			FY08 GWOT			
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	
INITIAL SPARES (Budget Program 16)				0.000										116.900
TOTAL PROGRAM														116.900

Comments

Exhibit P-5, Weapon System Cost Analysis	Date: September 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. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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Manufacturer's Name/Plant City/State Location	Subline Item
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Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
TOTAL PROGRAM				

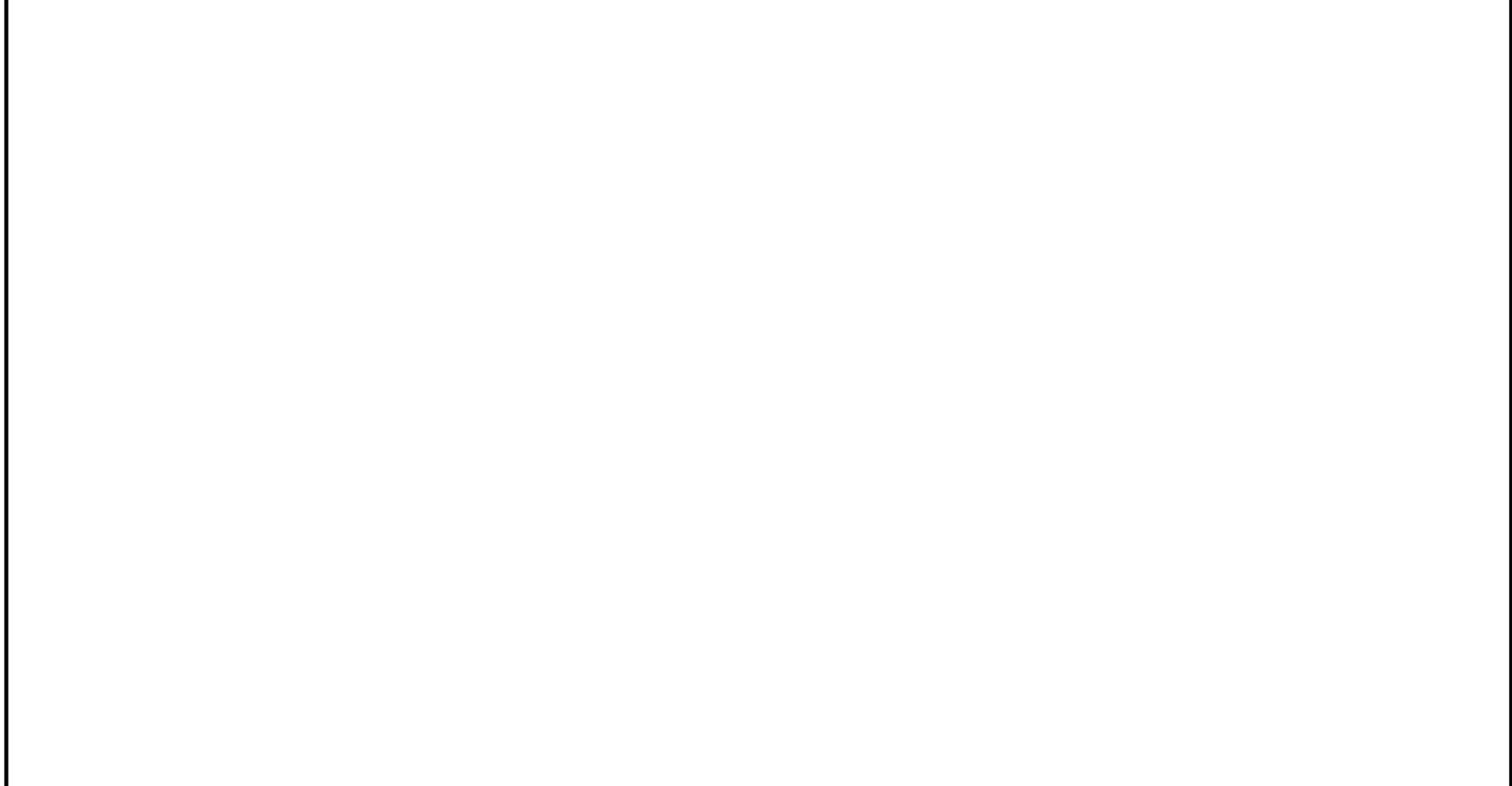
Comments

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Exhibit P-18A, Initial Spare Funding Summary	Date: September 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. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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Initial Spare Funding Summary	<u>Initial Spare Funding Summary</u>			
<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY06 GWOT</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
63	CV-22 Osprey	0.000	0.000	116.900
	TOTAL INITIAL SPARES	0.000	0.000	116.900



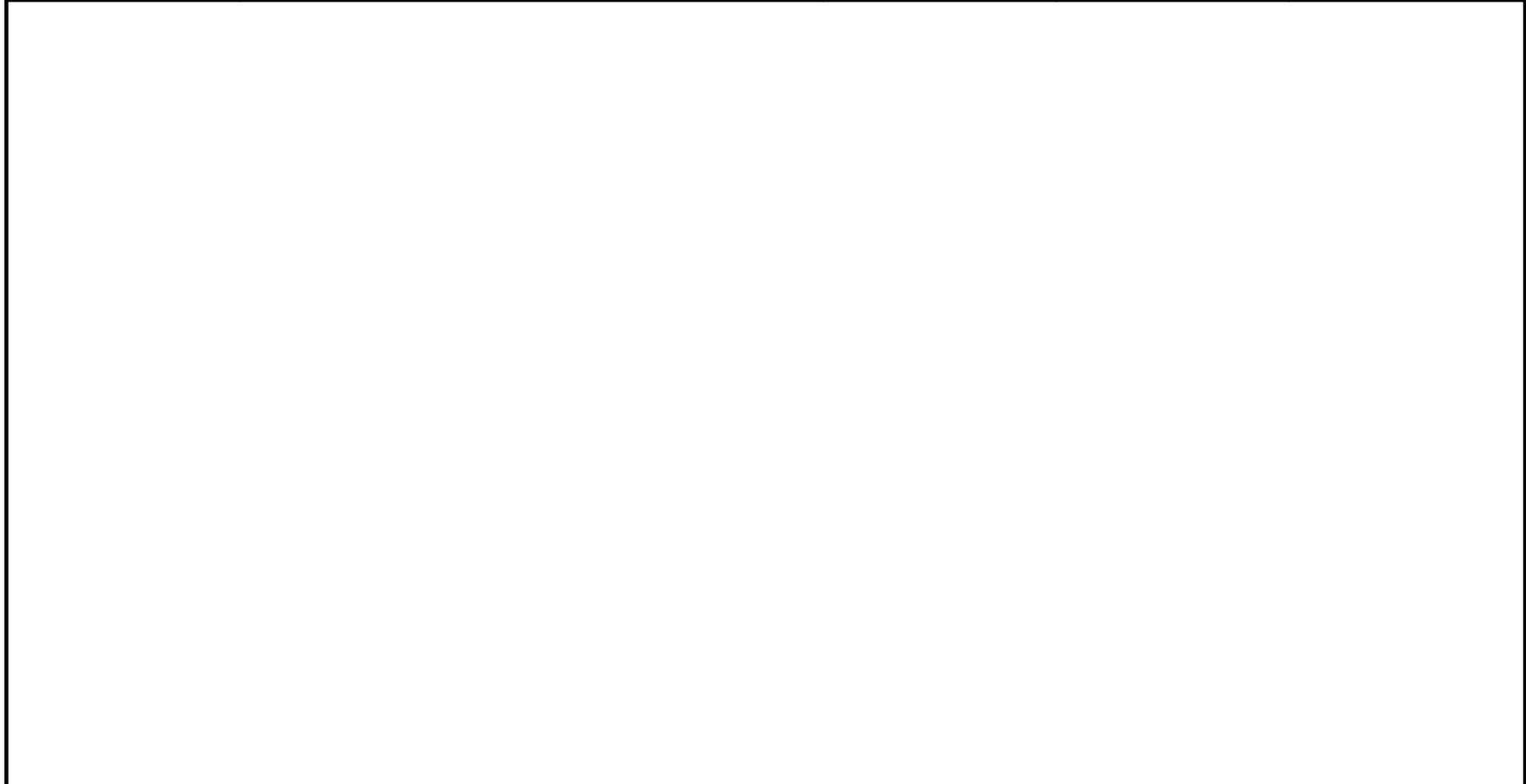
P-1 Shopping List Item No. 63	Initial Spare Funding Summary Exhibit P-18A, page 5 of 6
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Exhibit P-18A, Initial Spare Funding	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 06, Aircraft Spares and Repair Parts, Item No. 63	P-1 Line Item Nomenclature Aircraft Initial Spares
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<u>P-1 LINE</u>	<u>END ITEM NOMENCLATURE</u>	<u>FY06 GWOT</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
	WCF SPARES	0.000	0.000	0.000
	EXEMPT SPARES	0.000	0.000	116.900
	TOTAL INITIAL SPARES	0.000	0.000	116.900



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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$237,360																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>Supplemental</td> <td>Total</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: right;">\$237,360</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. Funds replacement of mission essential aircraft support equipment critical to the USAF's prosecution of the GWOT. Current program is funded at only 10% of total \$3B requirement. Continued wear on current equipment to support both contingency and homeland defense missions, to include items damaged/destroyed in the AOR, is accelerating life expectancy resulting in need for earlier replacement. There is limited amount of support equipment, it must be redistributed as required to support all mobility taskings. 2. The Items Less Than \$5 Million line procures replacement organizational and intermediate (common and peculiar) support equipment for out-of-production aircraft. Common items (used on more than one weapon system) and peculiar items (unique to one weapon system) directly support aircraft maintenance and servicing requirements. These replacement items ensure continuation of serviceable equipment over the life of a weapon system, and consist of over 2,800 items. 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	Supplemental	Total	--	--	--	\$237,360
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	Supplemental	Total																	
--	--	--	\$237,360																	
	P-1 ITEM NO 70		PAGE NO: 7 - 1		Page 1 of 1															

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

DATE: SEPTEMBER 2007

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

ITEMS LESS THAN \$5 MILLION

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MAJOR PROCUREMENTS									
KC-10 MAINTENANCE STAND	A					1	\$504		
C-5 ISOCHRONIC MAINTENANCE PLATFORM	A					1	\$8,856		
AUTOMATIC TEST SYSTEMS (ATS)									
FSC 4920 AIRCRAFT MAINTENANCE AND REPAIR SHOP SPECIALIZED EQUIP (ATS ONLY)	A						\$30,480		
FSC 6625 ELECTRICAL/ELECTRONIC PROPERTIES MEASURING & TESTING EQUIP (ATS ONLY)	A						\$11,710		
FSC 6635 PHYSICAL PROPERTIES TESTING AND INSPECTION (ATS ONLY)	A						\$450		
WIRING ANALYZER	A					800	\$15,094		
MINOR PROCUREMENTS (GROUPED BY FSC)									
FSC 2320 TRUCKS & TRUCK-TRACTORS	A						\$190		
FSC 1450 GUIDED MISSILE HANDLING & SERVICING EQP	A						\$310		
FSC 3895 MISCELLANEOUS CONSTRUCTION EQUIPMENT	A						\$160		
FSC 4320 POWER AND HAND PUMPS	A						\$88		
FSC 6115 GENERATORS AND GENERATOR SETS, ELECTRICAL	A						\$25,670		

P-1 ITEM NO
70

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UNCLASSIFIED

UNCLASSIFIED

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

DATE: SEPTEMBER 2007

APPROP CODE/BA:

APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)

P-1 NOMENCLATURE:

ITEMS LESS THAN \$5 MILLION

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
FSC 6910 TRAINING AIDS	A						\$180		
FSC 6930 OPERATIONAL TRAINING DEVICES	A						\$4,027		
FSC 5180 SETS, KITS, & OUTFITS OF HAND TOOLS	A						\$10		
FSC 1730 AIRCRAFT GROUND SERVICING EQUIPMENT	A						\$51,337		
FSC 1740 AIRFIELD SPECIALIZED TRUCKS AND TRAILERS	A						\$250		
FSC 2835 GAS TURB & JET ENGINES, EXC ACFT & COMP	A						\$30,944		
FSC 3950 WINCHES, HOISTS, CRANES AND DERRICKS	A						\$50		
FSC 3990 MISCELLANEOUS MATERIEL HANDLING EQUIPMENT	A						\$110		
FSC 4120 AIR CONDITIONING EQUIPMENT	A						\$1,050		
FSC 4130 REFRIGERATION & AIR COND COMPONENTS	A						\$810		
FSC 4920 AIRCRAFT MAINT SHOP SPECIALIZED EQP	A						\$47,530		
FSC 4930 LUBRICATION & DISPENSING EQUIPMENT	A						\$290		
FSC 6625 ELECT & ELCTRONIC PROPERTIES INSTRUMENT	A						\$7,110		
FSC 6650 OPTICAL INSTRUMENTS	A						\$150		

P-1 ITEM NO
70

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UNCLASSIFIED

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: APAF/AIRCRAFT REPLACEMENT SUPPORT EQUIPMENT (O&I)	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TOTALS:						802	\$237,360		

Remarks:
Cost information is in thousands of dollars.

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Exhibit P-40, Budget Item Justification	Date: September 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	FY08 GWOT	FY 2009	FY 2010	FY 2011
Proc Qty							
Total Proc Cost (\$ M)	0.000	0.000	0.000	88.700	0.000	0.000	0.000

Description

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Exhibit P-40A, Budget Item Justification for Aggregated Items	Date: September 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>	<u>FY08 GWOT</u>
Advanced Targeting Pod				28.600
GLOBAL HAWK				3.100
Manned Destructive Suppression				25.000
C-20 SLC3S				32.000
Total Adjustments	0.000	0.000	0.000	88.700

Exhibit P-1900	Date: September 2007
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 Advanced Targeting Pod

**FY 2008 FY08 GWOT SUPPLEMENTAL RE-ATTACK
ADVANCED TARGETING POD FACT SHEET
(Dollars in Millions)**

PROJECT TITLE:	Advanced Targeting Pod			
MODELS OF AIRCRAFT APPLICABLE:	A-10, B-1, B-52, F-15, F-16			
DESCRIPTION/JUSTIFICATION:	<p>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 pods. The video/image downlink modification provides 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 video/image data link capability and common adapter retrofit kits. Low Altitude Infrared Targeting and Navigation (LITENING) Advanced Technology (AT) and Sniper Extended Range (XR) are currently in use by the active duty, Air National Guard and Air Force Reserve Command.</p>			
PROJECTED FINANCIAL PLAN:				
BASIS FOR COST ESTIMATE:	FY06 GWOT	FY07 Title IX	GY07 GWOT	FY08 GWOT
TOTAL COST	0.000	0.000	0.000	28.600
				28.600

Exhibit P-1900	Date: September 2007
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 GLOBAL HAWK

**FY 2008 FY08 GWOT SUPPLEMENTAL RE-ATTACK
GLOBAL HAWK FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: GLOBAL HAWK

MODELS OF AIRCRAFT APPLICABLE: HAEUAV

DESCRIPTION/JUSTIFICATION: This modification will replace the current NiCad batteries used on the Global Hawk Block 10 with Lithium batteries. The modification will lower the weight and significantly lower the maintenance times associated with battery preparation between flights. Battery maintenance turn times have become a key maintenance event in sortie generation.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY06 GWOT	FY07 Title IX	GY07 GWOT	FY08 GWOT
TOTAL COST	0.000	0.000	0.000	3.100
				3.100

UNCLASSIFIED

Exhibit P-1900	Date: September 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 Manned Destructive Suppression
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**FY 2008 FY08 GWOT SUPPLEMENTAL RE-ATTACK
MANNED DESTRUCTIVE SUPPRESSION FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: Manned Destructive Suppression

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

DESCRIPTION/JUSTIFICATION: The AN/ASQ-213 pod is the key component of the HARM Targeting System (HTS). The HTS pod senses radar emissions and provides targeting information to the F-16 Block 50/52 pilot and the HARM Missile. This permits launch using the missile's most lethal 'range known' mode. The newest version of HTS, Release 7 (HTS R7), adds multi-ship Precision Geolocation Targeting and dual carriage of HTS with Advanced Targeting Pods (SNIPER). Precision targeting adds the capability to use smaller, more accurate precision guided munitions (PGMs) such as the Small Diameter Bomb reducing the potential for collateral damage. The Air Force has a shortage of HTS Pods. This supplemental will provide about 35 additional pods required to support F-16CJs (Block 50/52) AEF global deployment commitments. HTS pods are critical to protection of airborne assets supporting troops in the field and protection of air attack and air interdiction missions. Expanded HTS precision targeting capabilities to include compatibility with other F-16 Common Configuration Implementations (CCIP) (Block 40/42) aircraft increases need to reach inventory requirements earlier. HTS pod attrition due to losses during AEF deployments and training are included in this request. This supplemental would provide pods to the warfighter 2-3 years earlier and provide needed protection of our GWOT forces. New, revolutionary multi-ship precision ranging algorithms require three or more aircraft to generate PGM quality targeting solutions in near real time. Test (DT&E and OT&E) efforts also require increased (three or more) HTS R7 pods to keep software and tactics development on track. The HTS R7 GWOT requirement costing \$25 million will be executed over the life of the procurement appropriation

PROJECTED FINANCIAL PLAN:				
	FY06 GWOT	FY07 Title IX	GY07 GWOT	FY08 GWOT
BASIS FOR COST ESTIMATE:				
	0.000	0.000	0.000	25.000
TOTAL COST	0.000	0.000	0.000	25.000

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Exhibit P-1900	Date: September 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 80	P-1 Line Item Nomenclature C-20 SLC3S

**FY 2008 FY08 GWOT SUPPLEMENTAL RE-ATTACK
C-20 SLC3S FACT SHEET
(Dollars in Millions)**

PROJECT TITLE: C-20 SLC3S

MODELS OF AIRCRAFT APPLICABLE: C-20B

DESCRIPTION/JUSTIFICATION: TThis modification will replace antiquated and unsupported comm/data capability and infrastructure on C-20B aircraft. The C-20Bs support senior leaders (COCOMs, Cabinet members, and Congressional leaders) who require continuous secure comm/data connectivity. This will fund the C-20B infrastructure upgrade which will replace the legacy analog switching system with an IP-based, digital switching system fully interoperable with the VC-25A AIMS architecture. The modification will replace the current analog telephones with IP-based phones capable of operating both secure and non-secure. A full LAN system will also be installed throughout the aircraft. The digital upgrade will be capable of operating with legacy analog radio systems as well as interface to the new digital radio systems.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY06 GWOT	FY07 Title IX	GY07 GWOT	FY08 GWOT
TOTAL COST	0.000	0.000	0.000	32.000
				32.000

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Exhibit P-40, Budget Item Justification					Date: September 2007		
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 84					P-1 Line Item Nomenclature DARP		
	FY06 GWOT	FY07 Title IX	FY07 GWOT	FY08 GWOT	FY 2009	FY 2010	FY 2011
Proc Qty							
Total Proc Cost (\$ M)	0.000	0.000	70.500	6.000	0.000	0.000	0.000
Description							
P-1 Shopping List Item No. 84					Budget Item Justification Exhibit P-40, page 1 of 2		

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Exhibit P-1900	Date: September 2007
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Aircraft Procurement, Air Force, Budget Activity 07, Aircraft Support Equipment and Facilities, Item No. 84	P-1 Line Item Nomenclature DARP

**FY 2008 FY08 GWOT SUPPLEMENTAL RE-ATTACK
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.

PROJECTED FINANCIAL PLAN:

BASIS FOR COST ESTIMATE:	FY06 GWOT	FY07 Title IX	GY07 GWOT	FY08 GWOT
TOTAL COST	0.000	0.000	0.000	6.000

UNITED STATES AIR FORCE
Committee Staff Procurement Backup Book
FY 2008 Global War on Terror Budget Amendment



September 2007

AIRCRAFT PROCUREMENT, AIR FORCE
VOLUME II

OPR: SAF/FMB

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69 HAEUAV 147

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
B-2	P	GW053	CEESIM Replacement				29.8							29.8
		GW054	B-2 Weapons System Trai				6.0							6.0
		GW055	Radar System Modificatio				10.0							10.0
TOTAL FOR CLASS P				0.0	0.0	0.0	45.8	0.0	0.0	0.0	0.0	0.0	0.0	45.8
		GW058	Mission Planning				7.0							7.0
		GW059	Landing Gear Spares				12.0							12.0
TOTAL FOR CLASS				0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
TOTAL FOR AIRCRAFT B-2				0.0	0.0	19.0	45.8	0.0	0.0	0.0	0.0	0.0	0.0	64.8

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
B-1	P	GW025	INTEGRATION WITH AT				17.1							17.1
		GW068	Digital Mission Recorder				5.0							5.0
		GW070	B-1 Bomber Modifications				24.0							24.0
TOTAL FOR CLASS P				0.0	0.0	0.0	46.1	0.0	0.0	0.0	0.0	0.0	0.0	46.1
TOTAL FOR AIRCRAFT B-1				0.0	0.0	0.0	46.1	0.0	0.0	0.0	0.0	0.0	0.0	46.1

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
B-52	P	GW046	B-52 Reconstitute Evolutio				2.9							2.9
		GW056	GPS/IU/TACA				1.0							1.0
		GW057	ECMI (ALQ-172 System)				6.5							6.5
TOTAL FOR CLASS P				0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	10.4
TOTAL FOR AIRCRAFT B-52				0.0	0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	10.4

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
F-15	P	GW04	F-15E TTNT				22.0							22.0
		GW047	C AESA RADAR				130.9							130.9
		GWR50	F-15E JHMCS			50.0	59.7							109.7
		GWR51	F-15E BLOS/SLOS				50.0							50.0
TOTAL FOR CLASS P				0.0	0.0	50.0	262.6	0.0	0.0	0.0	0.0	0.0	0.0	312.6
TOTAL FOR AIRCRAFT F-15				0.0	0.0	50.0	262.6	0.0	0.0	0.0	0.0	0.0	0.0	312.6

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-5	P	GW035	ACCELERATE AMP				41.3							41.3
		GW036	DEFENSE SYSTEM INST				11.7							11.7
		GW037	CROWN SKIN AND CON				22.0							22.0
TOTAL FOR CLASS P				0.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0
TOTAL FOR AIRCRAFT C-5				0.0	0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-17	P	GW043	LAIRCM				72.0							72.0
TOTAL FOR CLASS P				0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0
TOTAL FOR AIRCRAFT C-17				0.0	0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-32	P	GW049	SECURE TELEPHONE E				32.0							32.0
		GW050	VOICE OVER IP (VOIP)				11.0							11.0
TOTAL FOR CLASS P				0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0
TOTAL FOR AIRCRAFT C-32				0.0	0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-37	P	GW049	SECURE TELEPHONE E				5.0							5.0
		GW050	VOICE OVER IP (VOIP)				6.0							6.0
TOTAL FOR CLASS P				0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
TOTAL FOR AIRCRAFT C-37				0.0	0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
A-10	P	GWR01	Extended Duration Conver				33.5							33.5
TOTAL FOR CLASS P				0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	33.5
TOTAL FOR AIRCRAFT A-10				0.0	0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	33.5

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
F-16	P	GWR20	F-16 MOD				36.8							36.8
TOTAL FOR CLASS P				0.0	0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	36.8
TOTAL FOR AIRCRAFT F-16				0.0	0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	36.8

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-40	P	GW049	SECURE TELEPHONE E				24.0							24.0
		GW050	VOICE OVER IP (VOIP)				15.0							15.0
TOTAL FOR CLASS P				0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
TOTAL FOR AIRCRAFT C-40				0.0	0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD</u> <u>NR</u>	<u>MODIFICATION</u> <u>TITLE</u>	<u>PRIOR</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>COST</u> <u>TO GO</u>	<u>TOTAL</u> <u>PROG</u>
CCALL	P	GW031	T-56 ENGINE QEC COM				6.5							6.5
		GW048	Fix EC-130 Force Structur				12.5							12.5
TOTAL FOR CLASS P				0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
TOTAL FOR AIRCRAFT CCALL				0.0	0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
DARP	P	GW011	RECEIVERS FOR EXPLO				10.0							10.0
		GW012	WIDE-BAND REAL-TIME				5.0							5.0
		GW013	RIVET JOINT GLASS CO				25.0							25.0
		GW014	WC-135 ENGINES				118.8							118.8
TOTAL FOR CLASS P				0.0	0.0	0.0	158.8	0.0	0.0	0.0	0.0	0.0	0.0	158.8
TOTAL FOR AIRCRAFT DARP				0.0	0.0	0.0	158.8	0.0	0.0	0.0	0.0	0.0	0.0	158.8

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
E-3	P	GW065	RM&A Mods				25.0							25.0
		GW067	Next Generation Identificat				40.0							40.0
TOTAL FOR CLASS P				0.0	0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0
TOTAL FOR AIRCRAFT E-3				0.0	0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
E-8C	P	GWR52	BLOS Communications				25.0							25.0
TOTAL FOR CLASS P				0.0	0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
		GW009	E-8 VANISHING VENDO				41.3							41.3
TOTAL FOR CLASS				0.0	0.0	0.0	41.3	0.0	0.0	0.0	0.0	0.0	0.0	41.3
TOTAL FOR AIRCRAFT E-8C				0.0	0.0	0.0	66.3	0.0	0.0	0.0	0.0	0.0	0.0	66.3

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

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P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
HH-60	P	GW033	IBASS				0.5							0.5
		GW034	IHIRSS				4.8							4.8
		GW040	HH-60 ARC-222 SINGLE				1.6							1.6
TOTAL FOR CLASS P				0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.9
TOTAL FOR AIRCRAFT HH-60				0.0	0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.9

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
HAEUAV	P	GWR30	Global Hawk MOD				3.1							3.1
TOTAL FOR CLASS P				0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
TOTAL FOR AIRCRAFT HAEUAV				0.0	0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>AIRCRAFT</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
C-130	P	GW01	C-130 Dual Rail System				11.3							11.3
		GW02	MC/HC-130 Crashworthy				1.2							1.2
		GW03	MC-130 Combined CARA/				14.5							14.5
		GW039	C-130 CENTER WING R				59.3							59.3
TOTAL FOR CLASS P				0.0	0.0	0.0	86.3	0.0	0.0	0.0	0.0	0.0	0.0	86.3
TOTAL FOR AIRCRAFT C-130				0.0	0.0	0.0	86.3	0.0	0.0	0.0	0.0	0.0	0.0	86.3

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: B-2				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$45.800	\$45.800	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the B-2 aircraft. The B-2 is a multi-engine, long range bomber incorporating low-observable ('stealth') technology, enables penetration of enemy air defenses and strike high-value targets. The modifications budgeted in the FY08 GWOT Supplemental are the Combat Electromagnet Environment Simulator (CEESIM), Radar System modification and Weapon System Trainer.

CEESIM is a custom hardware and software system providing the simulated threat environment to develop, evaluate, test, and validate Defensive Management System (DMS) Mission Region Sets (MRS) tailored to the operating location. Note: The upgrade is to the threat environment system, not to the B-2 aircraft.

The Radar System modification funds life-of-type purchase of components and subassemblies, prior to suppliers ceasing production on items unique to the B-2 radar modernization program (RMP) which will mitigate risk of re-design, re-qualification, and future obsolescence issues.

The Weapon System Training modification funds will support the replacement of obsolete and increasingly unsupportable radar training portion of the aircrew trainer (Weapons System Trainer).

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW053	CEESIM Replacement			29.8							29.8
	GW054	B-2 Weapons System Trainer			6.0							6.0
	GW055	Radar System Modification			10.0							10.0
TOTAL FOR CLASS P			0.0	0.0	45.8	0.0	0.0	0.0	0.0	0.0	0.0	45.8
	GW058	Mission Planning			7.0							7.0
	GW059	Landing Gear Spares			12.0							12.0
TOTAL FOR CLASS			0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
TOTAL FOR WEAPON SYSTEM B-2			0.0	19.0	45.8	0.0	0.0	0.0	0.0	0.0	0.0	64.8

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

	P-1 SHOPP LIST ITEM NO. 23	PAGE NO. 1	
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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: CEESIM Replacement MN-GW053

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: B-2 Class P

Models of Aircraft Affected: B-2

Center: ASC - Wright Patterson AFB, OH

PE 0101127F

Team POWER

Description/Justification

CEESIM (Combat Electromagnet Environment Simulator) is a custom hardware and software system providing the simulated threat environment to develop, evaluate, test, and validate Defensive Management System (DMS) Mission Region Sets (MRS) tailored to the operating location. Modification replaces obsolete custom processors, enhancing the B-2 ability to recognize and account for specific emerging/developing GWOT threats. Note: The upgrade is to the threat environment system, not to the B-2 aircraft.

Aircraft Breakdown: Active 21, Reserve , ANG , Total 21

Development Status

System Design and Development (SDD) will begin with receipt of FY08 GWOT funding,

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[1]	3.400				
KITS NONRECUR								11.000				
EQUIPMENT								12.300				
EQUIP NONREC												
CHANGE ORDERS								1.000				
DATA								1.300				
SIM/TRAINER												
SUPPORT-EQUIP								0.800				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								29.800				
INSTALLATION QTY												

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									[1]	3.400
KITS NONRECUR										11.000
EQUIPMENT										12.300
EQUIP NONREC										
CHANGE ORDERS										1.000
DATA										1.300
SIM/TRAINER										
SUPPORT-EQUIP										0.800
INSTALLATION OF HARDWARE										
TOTAL INSTALL										
TOTAL COST (BP-1100)										29.800
(Totals may not add due to rounding)										
INSTALLATION QTY										

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 8 Months

Follow-On Lead Time: 0 Months

Milestones

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

Installation Schedule

		<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>			
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																																	
Quarter	1	<u>FY-13</u>				<u>FY-14</u>				<u>FY-15</u>				<u>FY-16</u>				<u>FY-17</u>				<u>FY-18</u>				<u>FY-19</u>							
Input																																	
Output																																	

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: B-2 Weapons System Trainer MN-GW054

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: B-2 Class P

Models of Aircraft Affected: B-2

Center: ASC - Wright Patterson AFB, OH

PE 0101127F

Team POWER

Description/Justification

Replaces the obsolete and increasingly unsupportable radar training portion of the aircrew trainer (Weapons System Trainer). Upgrade will enhance the ability to train to and retain the skill sets required to effectively operate the B-2 radar. The ability to conduct effective, high-fidelity radar training in the WST reduces the requirement to conduct that training in operational aircraft. Note: the modification is to the Weapons System Trainer, not to B-2 aircraft.

Aircraft Breakdown: Active 21, Reserve , ANG , Total 21

Development Status

System Design and Development (SDD) will begin on receipt of FY08 GWOT funding.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)								14.100				
PROCUREMENT (3010)												
INSTALL KITS							[1]	1.200				
KITS NONRECUR								2.300				
EQUIPMENT								1.200				
EQUIP NONREC												
CHANGE ORDERS								0.500				
DATA								0.800				
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								6.000				
INSTALLATION QTY												

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										14.100
PROCUREMENT (3010)										
INSTALL KITS									[1]	1.200
KITS NONRECUR										2.300
EQUIPMENT										1.200
EQUIP NONREC										
CHANGE ORDERS										0.500
DATA										0.800
SIM/TRAINER										
SUPPORT-EQUIP										
INSTALLATION OF HARDWARE	<hr/>									
TOTAL INSTALL										
TOTAL COST (BP-1100)	<hr/>									
(Totals may not add due to rounding)										6.000
INSTALLATION QTY										

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 5 Months

Follow-On Lead Time: 0 Months

Milestones

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

Installation Schedule

	<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>			
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

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: Radar System Modification MN-GW055

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: B-2 Class P

Models of Aircraft Affected: B-2

Center: ASC - Wright Patterson AFB, OH

PE 0101127F

Team POWER

Description/Justification

NOTE: **** THIS REQUEST IS NO LONGER VALID WITH THE DELAY OF A PRODUCTION DECISION TO SPRING 2008. **** Funds life-of-type purchase of components and subassemblies, prior to suppliers ceasing production on items unique to the B-2 radar modernization program (RMP). Mitigates risk of re-design, re-qualification, and future obsolescence issues.

Aircraft Breakdown: Active 21, Reserve , ANG , Total 21

Development Status

The B-2 Radar Modernization Program (RMP) began System Development and Demonstration Aug 2004. Planned April 2007 production decision (LRIP) has been deferred to Spring 2008

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	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								0.500				
DATA								1.200				
SIM/TRAINER												
SUPPORT-EQUIP												
*** See Remarks ***								7.200				
OGC								1.100				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								10.000				
(Totals may not add due to rounding)												
INSTALLATION QTY												

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										0.500
DATA										1.200
SIM/TRAINER										
SUPPORT-EQUIP										7.200
*** See Remarks ***										
OGC										1.100
INSTALLATION OF HARDWARE										
TOTAL INSTALL										
TOTAL COST (BP-1100)										10.000
(Totals may not add due to rounding)										
INSTALLATION QTY										

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

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

Installation Schedule

	Quarter	<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>			
		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																																	
Input																																	
Output																																	

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: Mission Planning MN-GW058

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: B-2 Class

Models of Aircraft Affected:

Center:

PE

Team

Description/Justification

NOT A VALID MODIFICATION -- O&M EFFORT

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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							7.000					
TOTAL COST (BP-1100)							7.000					
(Totals may not add due to rounding)							7.000					

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										7.000
TOTAL COST (BP-1100)	<hr/>									7.000
(Totals may not add due to rounding)										7.000

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: Landing Gear Spares MN-GW059

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: B-2 Class

Models of Aircraft Affected:

Center:

PE

Team

Description/Justification

DELETE THIS MOD -- IT IS O&M EFFORT

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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							12.000					
TOTAL COST (BP-1100)							12.000					
(Totals may not add due to rounding)							12.000					

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										12.000
TOTAL COST (BP-1100)	<hr/>									12.000
(Totals may not add due to rounding)										12.000

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: B-1				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$6.880	\$46.120	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the B-1B aircraft . The B-1 is a multi-engine, supersonic, long range bomber capable of delivering nuclear or conventional munitions. The primary modifications budgeted in the FY08 GWOT supplemental are the Digital Mission Recorder (\$5.0M) and Integration with ATP (\$17.12M). The Digital Mission Recorder will provide a recording device that enables the crewmembers to record the conditions of flight during engagement or weapons employment situations. The B-1 does not currently have this capability. The B-1B electro-optic/infrared (EO/IR) advanced targeting pod (ATP) modification will significantly improve combat situational awareness, provide a capability to positively identify targets, employ precision guided weapons (GBU-31 and GBU-38), perform battle damage assessment, and provide non-traditional intelligence surveillance and reconnaissance (ISR).

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW025	INTEGRATION WITH ATP			17.1							17.1
	GW068	Digital Mission Recorder			5.0							5.0
	GW070	B-1 Bomber Modifications			24.0							24.0
TOTAL FOR CLASS P			0.0	0.0	46.1	0.0	0.0	0.0	0.0	0.0	0.0	46.1
TOTAL FOR WEAPON SYSTEM B-1			0.0	0.0	46.1	0.0	0.0	0.0	0.0	0.0	0.0	46.1

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
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:

Center:

PE 0101126F

Team POWER

Description/Justification

DESCRIPTION:

The B-1B electro-optic/infrared (EO/IR) Laptop Controlled Targeting Pod (LCTP) will significantly improve combat situational awareness, provide a capability to positively identify targets, employ precision guided weapons (GBU-31, GBU-38, Laser Guided Bombs (LGBs)), perform battle damage assessment, and provide non-traditional intelligence surveillance and reconnaissance (ISR). This modification includes procuring pylons to carry an Advanced Targeting Pod (ATP) via the hard points with group A wiring kits as well as the hardware and software necessary to control and display the ATP video on a 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 also be used for external hard point modifications and to procure / install digital data recorders for the B-1B.

FY 2008 GWOT JUSTIFICATION:

The LCTP integration requirement costing \$17.12M will be executed over the life of the BP11 procurement appropriation. This effort procures and installs hardware and software for LCTPs on B-1Bs. USCENTAF formally identified their number one request in 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, employ laser guided weapons, 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) require all B-1Bs to provide PID of targets. The capability provided by a LCTP 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 will cause delay. In recent 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. This effort will procure group A / group B kits for installation and pylons to carry an ATP on the B-1. Hard point modification and pylon designs were finalized along with limited flight-testing with a FY05 Congressional add. Hard point modification kits are forecasted for procurement in FY07 with program funds. The production of new external pylons and associated technical data and support equipment will allow the installation of the ATP carriage.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Development of hard point modification and pylon was started in FY05 with a Congressional add. Continued development is based upon funding from the FY07 GWOT allocation.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)								17.970				
PROCUREMENT (3010)												
INSTALL KITS							[67]	12.120				
KITS NONRECUR												
EQUIPMENT							[21]	5.000				

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								17.120				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										17.970
PROCUREMENT (3010)										
INSTALL KITS									[67]	12.120
KITS NONRECUR										
EQUIPMENT									[21]	5.000
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									17.120
(Totals may not add due to rounding)										

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 10 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: Digital Mission Recorder MN-GW068

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

Models of Aircraft Affected:

Center:

PE 0101126F

Team POWER

Description/Justification

The B-1 does not currently have a recording device that enables the crewmembers to record the conditions of flight during engagement or weapons employment situations. The crewmembers currently use hand written notes to recap the conditions during mission post flight debrief. The debrief materials are therefore left up to the skills and ability of the crewmembers to record critical flight information during the engagement. At the very best, the information is very sketchy and subjective. The objective of this program is to install a digital mission recording system on the B-1 aircraft that will collect and record the aircraft configuration, and synchronized flight, weapons delivery and communications data such that it can be played back during post flight debrief. The digital mission recorder will capture flight and weapons delivery data, document the techniques in successful missions, and help aircrews learn from unsuccessful missions. In addition to flight parameters, the mission data recorder will also record the advanced targeting pod video to evaluate battle damage assessment and enhance the non-traditional ISR collection for post mission support. Production consists of manufacturing and the installation of a permanent mission recorder for the B-1 fleet. Specifically, production includes labor hours and material for Groups A and B, installation cost, kit build cost, system engineering, program management, data and Peculiar Support Equipment (PSE).

Aircraft Breakdown: Active 67, Reserve , ANG , Total 67

Development Status

Development was initiated with FY07 GWOT funding as a requirement for non-traditional Intelligence, Surveillance, and Reconnaissance (ISR) capability as part of CENTAF's number one urgent need request. The System Design and Demonstration (SDD) of the mission recorder will include all factors needed for a successful development and proof of concept. The SDD includes hardware both labor and material, software, aircraft modification installation hours, system engineering, program management, system test and evaluation during both ground and flight hours, data, training and PSE.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)								5.000				
PROCUREMENT (3010)							67	5.000				
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)							67	5.000				
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL		
	<u>QTY</u>	<u>COST</u>									
RDT&E (3600)										5.000	
PROCUREMENT (3010)									67	5.000	
INSTALL KITS											
KITS NONRECUR											
EQUIPMENT											
EQUIP NONREC											
CHANGE ORDERS											
DATA											
SIM/TRAINER											
SUPPORT-EQUIP											
TOTAL COST (BP-1100)	<hr/>									67	5.000
(Totals may not add due to rounding)											

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: B-1 Bomber Modifications MN-GW070

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

Models of Aircraft Affected:

Center:

PE 0101126F

Team POWER

Description/Justification

DESCRIPTION:

The B-1B electro-optic/infrared (EO/IR) Laptop Controlled Targeting Pod (LCTP) will significantly improve combat situational awareness, provide a capability to positively identify targets, employ precision guided weapons (GBU-31, GBU-38, Laser Guided Bombs (LGBs)), perform battle damage assessment, and provide non-traditional intelligence surveillance and reconnaissance (ISR). This modification includes procuring pylons to carry an Advanced Targeting Pod (ATP) via the hard points with group A wiring kits as well as the hardware and software necessary to control and display the ATP video on a 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 also be used for external hard point modifications and to procure / install digital data recorders for the B-1B.

FY 2008 GWOT JUSTIFICATION:

The LCTP integration requirement costing \$17.12M will be executed over the life of the BP11 procurement appropriation. This effort procures and installs hardware and software for LCTPs on B-1Bs. USCENTAF formally identified their number one request in 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, employ laser guided weapons, 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) require all B-1Bs to provide PID of targets. The capability provided by a LCTP 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 will cause delay. In recent 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. This effort will procure group A / group B kits for installation and pylons to carry an ATP on the B-1. Hard point modification and pylon designs were finalized along with limited flight-testing with a FY05 Congressional add. Hard point modification kits are forecasted for procurement in FY07 with program funds. The production of new external pylons and associated technical data and support equipment will allow the installation of the ATP carriage.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Development of hard point modification and pylon was started in FY05 with a Congressional add. Continued development is based upon funding from the FY07 GWOT allocation.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)								24.000				
(Totals may not add due to rounding)								24.000				

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										24.000
TOTAL COST (BP-1100)	<hr/>									24.000
(Totals may not add due to rounding)										24.000

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</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 September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: B-52				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$10.395	\$10.395	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the B-52H aircraft. The B-52H strategic bomber maintains nuclear and conventional taskings. The primary modifications for FY08 GWOT Supplemental are the Reconstitute Evolutionary Data Link kits, Electronic Counter Measure Improvements (ECMI) and GPS/IU/TACAN. The ECMI modification corrects a specific program display deficiency with the purchase of additional circuit cards and related software for the ALQ-172 system. B-52 Evolutionary Data Link (EDL) is a temporary, roll-on/roll-off modification used to satisfy a 2001 CENTCOM Combat Mission Needs Statement (C-MNS) until the permanent solution Combat Network Communications Technology (CONNECT) begins fielding in FY10. EDL is required to continue to fulfill capability shortfalls identified by the Combined Forces Air Component Commander/ USCENCOM. Evolutionary Data Link (EDL), with its limited number of kits, has been heavily used for the past five years and is experiencing attrition due to low density/high demand usage, water intrusion and subsequent freezing in high altitude/low temperature conditions. The kits must be moved from aircraft to aircraft very frequently, causing accelerated wear and tear to the aging equipment. The original display monitors and lap top computers are no longer available, making identical replacements unavailable for the fielded hardware. The funds requested will reconstitute the original purchase of monitors, monitor brackets, rugged lap top computers, Combat Track (CTII) radios and new mounts, wiring and associated engineering. GPS/IU/TACAN enhances crew Situation Awareness (SA) by providing a visual depiction of the planned mission, including targets and weapon release points on the pilot's Multi Function Display. The GPS/IU/TACAN modifications funds will purchase additional sets of repeater stations for the offensive and defensive stations in aircraft. Current capability currently exists only at the pilot's station. The additional information provided by this effort will greatly enhance crew SA and will sharply reduce the need for communication within the aircraft to perform current missions. This effort will require funding beyond FY08 to complete. ACC confirmed this is not a valid GWOT requirement.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW046	B-52 Reconstitute Evolutiona			2.9							2.9
	GW056	GPS/IU/TACA			1.0							1.0
	GW057	ECMI (ALQ-172 System)			6.5							6.5
TOTAL FOR CLASS P			0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	10.4
TOTAL FOR WEAPON SYSTEM B-52			0.0	0.0	10.4	0.0	0.0	0.0	0.0	0.0	0.0	10.4

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: B-52 Reconstitute Evolutionary Data Link Kits MN-GW046

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: B-52 Class P

Models of Aircraft Affected: B-52H

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0101113F

Team POWER

Description/Justification

B-52 Evolutionary Data Link (EDL) is a temporary, roll-on/roll-off modification used to satisfy a 2001 CENTCOM Combat Mission Needs Statement (C-MNS) until the permanent solution Combat Network Communications Technology (CONNECT) begins fielding in FY10. It is a B-52 requirement in the OIF Deployment Orders. EDL will continue to be a combatant commander requirement until CONNECT is fielded. EDL, based on commercial technology, allows the B-52 crew to exchange text messages or data files, including images, with other ground-based or airborne platforms. The system provides color computer displays and graphical user interfaces at the crew stations on the aircraft and provides target and threat information and retargeting capability via commercial laptops. The system provides secure communications, processing, and display capabilities. It provides crews an additional situational awareness feed for limited Link 16, Airborne Intelligence, and Blue Force tracking information. It has the capability to receive, process, and display Close Air Support Mission Assignment messages and provides air-to-ground Internet Protocol data links. EDL has reduced the time required to react to Tactical Air Control Party targets and reduced the chances of fratricide.

FY 2008 GWOT JUSTIFICATION

EDL is required to continue to fulfill capability shortfalls identified by the Combined Forces Air Component Commander/ USCENTCOM.

EDL, with its limited number of kits, has been heavily used for the past five years and is experiencing attrition due to low density/high demand usage, water intrusion and subsequent freezing in high altitude/low temperature conditions. The kits must be moved from aircraft to aircraft very frequently, causing accelerated wear and tear to the aging equipment. The original display monitors and lap top computers are no longer available, making identical replacements unavailable for the fielded hardware.

The funds requested will reconstitute the original purchase of monitors, monitor brackets, rugged lap top computers, Combat Track (CTII) radios and new mounts, wiring and associated engineering. This effort will not require the reconstitution of all components in equal amounts. This effort is required to sustain the original CENTCOM C-MNS solution until the fielding of the CONNECT program in FY10.

Without EDL, the B-52 will not be able to deploy to OIF/OEF due to a lack of required communications and situational awareness. Cessation of funding will have negative effects for system support and eliminate the aircrew's ability to receive critical target and threat information resulting in a USCENTCOM Close Air Support capability shortfall.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Non-developmental items will be procured.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[20]	1.000				
KITS NONRECUR												
EQUIPMENT							[5]	1.000				
EQUIP NONREC								0.200				
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RCVRS												
OGC							[6]	0.600				
TOTAL COST (BP-1100)								0.095				
(Totals may not add due to rounding)								2.895				

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									[20]	1.000
KITS NONRECUR										
EQUIPMENT									[5]	1.000
EQUIP NONREC										0.200
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
RCVRS									[6]	0.600
OGC										0.095
TOTAL COST (BP-1100)										2.895
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: GPS/IU/TACA MN-GW056

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: B-52 Class P

Models of Aircraft Affected: B-52H

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0101113F

Team POWER

Description/Justification

GPS/IU/TACAN enhances crew Situation Awareness (SA) by providing a visual depiction of the planned mission, including targets and weapon release points on the pilot's Multi Function Display. Effort will purchase additional GPS/IU/TACAN repeater stations for the offensive and defensive stations in aircraft. Current capability currently exists only at the pilot's station. The additional information provided by this effort will greatly enhance crew SA and will sharply reduce the need for communication within the aircraft to perform current missions.

This effort will require funding beyond FY08 to complete. ACC confirmed this is not a valid GWOT requirement.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Development of GPS/IU/TACAN complete.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							1.000					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							1.000					

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										1.000
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									1.000
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: ECMI (ALQ-172 System) MN-GW057

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: B-52 Class P

Models of Aircraft Affected: B-52H

Center: OC-ALC - Tinker AFB Okla City, OK

PE 0101113F

Team POWER

Description/Justification

This effort corrects a specific Electronic Counter Measure Improvement (ECMI) program display deficiency with the purchase of additional circuit cards and related software for the ALQ-172 system. Once implemented, this GWOT effort would enhance the B-52 crew's ability to detect, react to and counter threats to the aircraft.

This effort will require funding beyond FY08 to complete. ACC confirmed this is not a valid GWOT requirement.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Development of ECMI complete

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							6.500					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							6.500					

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										6.500
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									6.500
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: F-15				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$119.962	\$262.644	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the F-15 aircraft. 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 modifications budgeted in FY08 GWOT Supplemental are Tactical Targeting Network Technology (TTNT) upgrades--also known as the Multifunction Information Distribution System-Joint Tactical Radio System (MIDS-JTRS)--and the C AESA Radar.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW04	F-15E TTNT			22.0							22.0
	GW047	C AESA RADAR			130.9							130.9
	GWR50	F-15E JHMCS		50.0	59.7							109.7
	GWR51	F-15E BLOS/SLOS			50.0							50.0
TOTAL FOR CLASS P			0.0	50.0	262.6	0.0	0.0	0.0	0.0	0.0	0.0	312.6
TOTAL FOR WEAPON SYSTEM F-15			0.0	50.0	262.6	0.0	0.0	0.0	0.0	0.0	0.0	312.6

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

	P-1 SHOPP LIST ITEM NO. 28	PAGE NO. 1	
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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: F-15E TTNT MN-GW04

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

Models of Aircraft Affected: F-15E

Center: ASC - Wright Patterson AFB, OH

PE 27134F

Team

Description/Justification

Tactical Targeting Network Technology (TTNT), also known as the Multifunction Information Distribution System-Joint Tactical Radio System (MIDS-JTRS) Incr 2, represents the next generation Tactical Data Link, and provides the Air Force with wideband airborne network technology (ANT) to meet net-centric operational requirements. The F-15 will transmit and receive imagery, flight data, and weapons data from other terminals, and the F-15 will join in networked operational missions. TTNT also provides for a tactical targeting interface with the F-22 and the Airborne Objective Gateway.

FY08 GWOT JUSTIFICATION

The \$24.0M procurement funding will be executed over the normal life cycle of the (3010 Procurement, 3600 RDTE) appropriation to install TTNT on 80 F-15E aircraft. An estimated \$45M would be required to complete procurement and installation for the remaining 144 F-15Es. Development funding for F-15E TTNT has also been requested in the FY08 GWOT. Development will be a 3-year effort. Consequently, the \$24M procurement funding will not be placed on contract until the third year of the appropriation.

The implementation of TTNT on the F-15 has interdependencies with other programs.

- 1) Funding for design, development, and delivery of the MIDS-JTRS terminals provided by the JTRS program. The present JTRS program plan will deliver the first MIDS-JTRS terminals in October 2007. This TTNT program will require priority delivery of these terminals to the F-15 to meet the installation goals of October 2010.
- 2) Upgrade of the Advanced Display Core Processor (ADCP) planned under the F-15E Radar Modernization Program (RMP) program starting in FY09.

Aircraft Breakdown: Active 80, Reserve 0, ANG 0, Total 80

Development Status

F-15E TTNT funding has been requested in the FY08 GWOT. Development is expected to complete in FY10.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)							[1]	61.500				
PROCUREMENT (3010)							80	2.000				
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS								0.500				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								0.100				
OGC								0.100				
INTEGRATION												

Projected Financial Plan Continued

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
INSTALLATION OF HARDWARE												
FY-08							19.300		[40]		[40]	
TOTAL INSTALL							19.300		40		40	
TOTAL COST (BP-1100)							80	22.000				
(Totals may not add due to rounding)												
INSTALLATION QTY									40		40	

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)									[1]	61.500
PROCUREMENT (3010)									80	2.000
INSTALL KITS										
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										0.500
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										0.100
OGC										0.100
INTEGRATION										
INSTALLATION OF HARDWARE										
FY-08 80 KITS									[80]	19.300
TOTAL INSTALL									80	19.300
TOTAL COST (BP-1100)									80	22.000
(Totals may not add due to rounding)										
INSTALLATION QTY									80	

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 6 Months

Follow-On Lead Time: 6 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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>			
	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																	10	10	10	10	10	10	10	10	10	10	10	10
Output																	10	10	10	10	10	10	10	10	10	10	10	10

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
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: MSIP

Center: WR-ALC Warner Robins AFB Warner Robins, GA

PE 27130F

Team

Description/Justification

The APG-63(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.

On aircraft which have already received the APG-63(V)1 upgrade, the modification requires replacement of the antenna and one LRU only. On aircraft which do not already have the (V)1 upgrade, both the antenna and all "backend" processing LRUs are replaced. Other avionics that support radar functionality may also be replaced in these upgrades.

FY08 GWOT JUSTIFICATION:

\$134M will procure 16 (V)3 AESA radar systems for active duty jets (plus 1 spare) to support cruise missile defense missions. Also funds supportability, technical order changes, and trainer upgrades for full (V)3 capability.

Impact if not funded: delays Air Force support of the cruise missile defense mission by 2 years.

Aircraft Breakdown: Active 16, Reserve , ANG , Total 16

Development Status

The APG-63(V)3 uses 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 Plus-ups and USAF President's Budget funding.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							16	73.600				
KITS NONRECUR								3.990				
EQUIPMENT							[16]	3.000				
EQUIP NONREC								6.640				
CHANGE ORDERS												
DATA								2.150				
SIM/TRAINER							[3]	1.500				
SUPPORT-EQUIP								2.120				
SITE ACTIVATION								10.650				
ICS								3.750				
SPARES												

Projected Financial Plan Continued

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
INSTALLATION OF HARDWARE												
FY-08								23.520				[4]
TOTAL INSTALL								23.520				4
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							16	130.920				
INSTALLATION QTY												4

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									16	73.600
KITS NONRECUR										3.990
EQUIPMENT									[16]	3.000
EQUIP NONREC										6.640
CHANGE ORDERS										
DATA										2.150
SIM/TRAINER									[3]	1.500
SUPPORT-EQUIP										2.120
SITE ACTIVATION										10.650
ICS										3.750
SPARES										
INSTALLATION OF HARDWARE										
FY-08 16 KITS			[10]		[2]				[16]	23.520
TOTAL INSTALL			10		2				16	23.520
TOTAL COST (BP-1100)									16	130.920
(Totals may not add due to rounding)										
INSTALLATION QTY			10		2				16	

Method of Implementation: COMBINATION

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<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>					
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																					1	1	1	1	1	1	1	1	3	3	3	1	1	
Output																									1	1	1	1	3	3	3	1	1	1

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: F-15E JHMCS MN-GWR50

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 in the F-15E aircraft. This system adds high-boresight capability to both air-to-air and air-to-ground missions. For the air-to-ground mission JHMCS greatly improves the aircrew's ability to rapidly employ sensors and weapons against off-boresight targets, minimizing F-15E aircrew exposure to ground threats and enhancing situational awareness. For the air-to-air mission, JHMCS increases F-15E situational awareness, survivability, and lethality in engagements by allowing the aircrew to aim sensors and weapons at off-boresight airborne targets.

This capability significantly reduces the time it takes the F-15E to engage time sensitive targets by permitting the aircrew to lock sensors and weapons onto ground targets within seconds instead of minutes. This time savings can be critical when engaging a moving target, especially when the target is engaged with friendly ground forces.

FY08 GWOT Re-attack funding completes the procurement and installation of JHMCS in the F-15E front cockpit that was begun using FY07 GWOT funding. No FY08 GWOT funds were requested for this effort. As additional funds are identified, the JHMCS will be procured for and installed in the F-15E rear cockpit.

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

Development Status

Continuation in FY08 of Front seat installs begun in FY07 GWOT, to increase procurement of Group C

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS					145	20.000	71	11.000				
KITS NONRECUR												
EQUIPMENT					[210]	26.000	[222]	46.724				
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP					[5]	3.962	[4]	2.000				
INSTALLATION OF HARDWARE												
FY-07 145 KITS												
FY-08 71 KITS												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)					145	49.962	71	59.724				
INSTALLATION QTY									6			

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									216	31.000
KITS NONRECUR										
EQUIPMENT									[432]	72.724
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP									[9]	5.962
INSTALLATION OF HARDWARE										
FY-07		145		KITS						
FY-08		71		KITS						
TOTAL INSTALL										
TOTAL COST (BP-1100)									216	109.686
(Totals may not add due to rounding)										
INSTALLATION QTY									224	

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 14 Months

Follow-On Lead Time: 14 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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>			
	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																	6	18	18	18	18	18	18	18	18	18	18	18	18	18	18	2
Output																		6	18	18	18	18	18	18	18	18	18	18	18	18	2	

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: F-15E BLOS/SLOS MN-GWR51

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

Models of Aircraft Affected: F-15E

Center: ASC - Wright Patterson AFB, OH

PE 27134F

Team

Description/Justification

CENTAF forwarded received an Urgent Operational Need (UON) on 14 May 07 to enhance the F-15E's communications capability. This requirement is to provide beyond line-of-sight (BLOS), embedded secure line-of-sight (SLOS), and single channel ground and air radio system (SINGGARS) capabilities to support on-going operations.

F-15E UHF/VHF is line-of-sight only. BLOS will allow communications with control agencies beyond current UHF range, and with ground units not in line-of-sight (e.g., in mountainous terrain). SINGGARS will allow the F-15E to communicate with and provide air support to ground units that are equipped with only SINGGARS. Embedded SLOS will eliminate the synchronization delay inherent in the current secure mode; this delay can result in critical information being lost.

This program will add a third radio to the F-15E, the ARC-210 RT 1851A(C). This new radio has SATCOM, SINGGARS and embedded SLOS installed. The program will also add associated amplifiers, a dedicated SATCOM antenna, a tunable UHF/VHF antenna, wiring and brackets as required, and an aircraft OFP software update to provide control of the new capabilities.

The FY08 GWOT funding will install group A provisions in 180 F-15Es, and procure 59 group B kits to be used as a rotatable pool.

As additional funds are identified, all 224 F-15E will have group A provisions installed, and sufficient group B kits will be procured to install in all 224 aircraft. Also, as additional funds are identified, an image data processing and transmission capability will be added to the system.

Aircraft Breakdown: Active 180, Reserve , ANG , Total 180

Development Status

None

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							180	10.600				
KITS NONRECUR								6.000				
EQUIPMENT							[46]	5.800				
EQUIP NONREC												
CHANGE ORDERS								2.000				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								1.000				
TEST								2.000				
PROGRAM MNGMT								2.700				
ENG SUPPORT								5.500				
ICS								1.000				
TRAINING								0.800				
OGC								2.000				
INSTALLATION OF H								10.600				

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
INSTALLATION OF HARDWARE												
FY-08			180									
TOTAL INSTALL												
TOTAL COST (BP-1100)							180	50.000				
(Totals may not add due to rounding)												
INSTALLATION QTY							96					

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									180	10.600
KITS NONRECUR										6.000
EQUIPMENT									[46]	5.800
EQUIP NONREC										
CHANGE ORDERS										2.000
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										1.000
TEST										2.000
PROGRAM MNGMT										2.700
ENG SUPPORT										5.500
ICS										1.000
TRAINING										0.800
OGC										2.000
INSTALLATION OF H										10.600
INSTALLATION OF HARDWARE										
FY-08 180 KITS										
TOTAL INSTALL										
TOTAL COST (BP-1100)									180	50.000
(Totals may not add due to rounding)										
INSTALLATION QTY									180	

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 2 Months

Follow-On Lead Time: 0 Months

Milestones

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

Installation Schedule

Quarter	<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
Input													24	24	24	24	24	24	12					
Output													24	24	24	24	24	24	24	12				

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: F-16					
	2006	2007	2008	2009	2010	2011	2012	2013	
COST (In Mil)	\$0.000	\$0.000	\$36.800	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GWR20	F-16 MOD			36.8							36.8
TOTAL FOR CLASS P			0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	36.8
TOTAL FOR WEAPON SYSTEM F-16			0.0	0.0	36.8	0.0	0.0	0.0	0.0	0.0	0.0	36.8

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: F-16 MOD MN-GWR20

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: F-16 Class P

Models of Aircraft Affected: F-16 Block 30/40/42/50/52

Center: ASC - Wright Patterson AFB, OH

PE 27133F

Team

Description/Justification

This modification replaces the existing AN/ARC-186 VHF only radio on F-16 aircraft with the AN/ARC-210 Warrior radio and any associated prerequisite Group A modifications to satisfy an FY06 CENTCOM urgent operational need (UON). Hardware requirements vary among the different Blocks 30/40/50 due to existing hardware and configuration requirements. The F-16 needs a secure Line-of-Sight capability which is upgradeable to a secure beyond-line-of-sight (BLOS) communications capability to communicate with many rotary wing and ground maneuver units in the theater of operations. New Start notification letters were submitted to the Congressional Defense Committees for Blocks 40/50 aircraft, and FY07 funds were added by Congress as a Plus-up for Block 30 aircraft. Funds will be executed over the life of the appropriation and installations will occur in FY08 and FY09.

No funding was requested for this modification in the FY08 GWOT Supplemental.

Aircraft Breakdown: Active 108, Reserve 8, ANG 56, Total 172

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							172	15.970				
KITS NONRECUR												
EQUIPMENT							[172]	14.910				
EQUIP NONREC												
CHANGE ORDERS								0.440				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TRAINING								0.800				
INSTALL							[172]	4.680				
INSTALLATION OF HARDWARE												
FY-08 172 KITS												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								172	36.800			
INSTALLATION QTY												40

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									172	15.970
KITS NONRECUR										
EQUIPMENT									[172]	14.910
EQUIP NONREC										
CHANGE ORDERS										0.440
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TRAINING										0.800
INSTALL									[172]	4.680
INSTALLATION OF HARDWARE										
FY-08			172	KITS						
TOTAL INSTALL										
TOTAL COST (BP-1100)									172	36.800
(Totals may not add due to rounding)										
INSTALLATION QTY									172	

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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
Input														10	30	36	38	42	16					
Output													10	30	36	38	42	16						

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-5				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$5.600	\$75.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the C-5 aircraft. The four engine C-5 carries outsized and heavy cargo (tanks, helicopters, etc.) between main operating bases. The aircraft routinely carries 73 troops and 36 standard 463-L pallets. The FY08 GWOT Supplemental funds an accelerated Avionics Modernization Program (AMP). Defense System Installations and Crown Skin and Contour Box Beam Fitting Replacement.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW035	ACCELERATE AMP			41.3							41.3
	GW036	DEFENSE SYSTEM INSTAL			11.7							11.7
	GW037	CROWN SKIN AND CONTO			22.0							22.0
TOTAL FOR CLASS P			0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0
TOTAL FOR WEAPON SYSTEM C-5			0.0	0.0	75.0	0.0	0.0	0.0	0.0	0.0	0.0	75.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: ACCELERATE AMP MN-GW035

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

Models of Aircraft Affected: C-5A/B/C

Center: WRALC Robins AFB GA

PE 0401119F Team MOBIL

Description/Justification

The purpose of this modification is to implement communication, navigation, surveillance/air traffic management (CNS/ATM) [formerly Global Air Traffic Management (GATM)] and navigation safety capabilities. It redesigns the avionics components to replace unreliable line replacement units (LRUs) in the autopilot/flight augmentation systems and the flight and engine instrument suite. This mod also installs safety equipment: Traffic Alert and Collision Avoidance System (TCAS) and Terrain Awareness and Warning System (TAWS). In addition, installation of new CNS/ATM capabilities will improve air traffic management by taking advantage of optimum air routes. Connectivity to mobility command and control capabilities will also be incorporated in the AMP design. Mod is baselined with GPS (mod#3150). In FY04 the C-5 modernization program was approved to use the contractor supported weapon system (CSWS) support concept. Initial spares in support of CSWS will be purchased with 3010, BP11 funds instead of 3010, BP16 funds.

FY 2008 GWOT JUSTIFICATION

Need exists to recapitalize the C-5 fleet to meet strategic airlift requirements. The avionics modernization program (AMP) and reliability enhancement and re-engining program (RERP) were established to meet this requirement. C-5 AMP and RERP play a critical role in the future of global mobility and our nation's ability to fight current and future wars. C-5 AMP installations are currently accomplished via two modification lines (one at Dover AFB and one at Travis AFB) by contractor field teams. Additional funds are requested for increasing the number of kits procured in FY07 to procure and accelerate the installation of C-5 AMP kits. This request will result in C-5 AMP capability being delivered to the mobility warfighter sooner, ensuring C-5 access to CNS/ATM airspace, and directly contributing to the Global War on Terrorism. Increased AMP kit quantities and acceleration of AMP kit installations will result in improved production efficiencies that will result in cost savings for C-5 AMP.

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

Development Status

RDT&E supports engineering, Commercial Off-The-Shelf (COTS) identification and interfacing hardware design, software design, and data design. Preliminary Design Review (PDR) occurred in 3rd quarter FY00 and Critical Design Review (CDR) occurred in 3rd quarter FY01. Development also includes two flight tested prototypes which began testing in 1st quarter FY03. The second block of developmental testing completed in Sep 03. The final software build completed August 05, and operational testing is scheduled to complete in May 06. TCAS procurement effort was accelerated ahead of the AMP procurement due to DEPSECDEF direction. TCAS installation completed 31 Oct 02. Avionics capability required for modernization that is not complete at the end of AMP development will be captured and funded in RERP, which is phase II of the C-5 modernization.

Note: The "Other" line item in the Procurement (3010) Projected Financial Plan section represents Unique Identification (UID) costs.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR									[5]		[5]	
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY08 GWOT							[10]	41.300				

Projected Financial Plan Continued

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
GFE												
OTHER												
TCAS NRE												
TCAS INTG/INSTL												
ATD KITS												
CPT NRE												
ATD INTEGRATION												
CPT INTG/INSTL												
MAINT TRAINER												
TCAS												
INSTALLATION OF H												
OGC												
INITIAL SPARES												
OTHER												
OMNIBUS												
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)							41.300					
(Totals may not add due to rounding)												
INSTALLATION QTY									5		5	

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									[10]	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY08 GWOT									[10]	41.300
GFE										
OTHER										
TCAS NRE										
TCAS INTG/INSTL										
ATD KITS										
CPT NRE										
ATD INTEGRATION										
CPT INTG/INSTL										
MAINT TRAINER										
TCAS										
INSTALLATION OF H										
OGC										
INITIAL SPARES										
OTHER										
OMNIBUS										
INSTALLATION OF HARDWARE										
TOTAL INSTALL										
TOTAL COST (BP-1100)										41.300
(Totals may not add due to rounding)										
INSTALLATION QTY									10	

Method of Implementation: COMBINATION

Initial Lead Time: 12 Months

Follow-On Lead Time: 12 Months

Milestones

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

Installation Schedule

	<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
Input																		2	3	3	2			
Output																		2	3	3	2			

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: DEFENSE SYSTEM INSTALLATION MN-GW036

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

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

FY2008 GWOT Justification:

Purpose of this modification is to procure and install the latest aircraft defensive systems (ADSs) technology on 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 (CMDs) 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-06		FY-07		FY-08		FY-09		FY-10	
	<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												
FY08 GWOT							[9]	11.700				
TOTAL COST (BP-1100)												11.700
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
FY08 GWOT									[9]	11.700
TOTAL COST (BP-1100)										11.700
(Totals may not add due to rounding)										11.700

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: CROWN SKIN AND CONTOUR BOX BEAM FITTING REPLACEMENT MN-GW037
 Models of Aircraft Affected: C-5A/C

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: C-5 Class P
 PE 0401119F Team MOBIL

Center: WRALC Robins AFB GA

Description/Justification

N/A

This is a new start effort.

FY2008 GWOT Justification:

Purpose of this modification program is to inspect and replace aft crown skins (ACSs). ACSs were originally manufactured from 7075-T6/7079-T6 aluminum. These aluminum alloys are highly susceptible to stress corrosion cracking (SCC). This program replaces the ACS with skins manufactured from 7475-T761 material. Similar (7475-T6) materials are already installed on the C-5B aircraft.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

None

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	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												
FY08 GWOT							[2]	22.000				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								22.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
FY08 GWOT									[2]	22.000
TOTAL COST (BP-1100)										22.000
(Totals may not add due to rounding)										22.000

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</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 September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-17				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$92.000	\$72.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the C-17 aircraft. The four engine C-17 is the only aircraft capable of routine delivery of outsize cargo (tanks, helicopters, etc.) to short, austere airfields. The aircraft can carry up to 102 troops, 36 litter patients, or 18 standard 463-L pallets. The primary mod in the FY08 GWOT Supplemental is the Large Aircraft Infrared Counter Measures (LAIRCM).

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW043	LAIRCM			72.0							72.0
TOTAL FOR CLASS P			0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0
TOTAL FOR WEAPON SYSTEM C-17			0.0	0.0	72.0	0.0	0.0	0.0	0.0	0.0	0.0	72.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: LAIRCM MN-GW043

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

Models of Aircraft Affected: C-17

Center: ASC - Wright Patterson AFB, OH

PE 0401134F

Team MOBIL

Description/Justification

The Large Aircraft Infrared Countermeasures (LAIRCM) system provides a significantly improved defensive capability for the AF's large aircraft to counter the Infrared (IR) Man-Portable Air-Defense Systems (MANPADS) threat.

The current LAIRCM Phase 1 system [AN/AAQ-24V(13)] consists of ultra-violet (UV) missile warning sensors, Small Laser Transmitter Assemblies (SLTA) containing an IR tracker, a colorless eye-safe multiband laser, a Control Indicator Unit (CIU), and a system processor to detect, track, and counter incoming IR missiles. This system is fully automatic following power-up.

The FY08 GWOT Supplemental (\$72M) will modify eight C-17's with a full Phase II configuration which is three Guardian Laser Turret Assemblies and six NexGen Missile Warning Systems per aircraft.

The respective installs for the eight aircraft will occur in FY09.

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

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							8	8.090				
KITS NONRECUR												
EQUIPMENT								31.660				
EQUIP NONREC												
CHANGE ORDERS								1.670				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP								0.560				
ICS								2.220				
INITIAL SPARES								12.580				
OGC								7.990				
INSTALLATION OF HARDWARE												
FY-08			8 KITS					7.230		[8]		
TOTAL INSTALL								7.230		8		
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								8	72.000			
INSTALLATION QTY										8		

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									8	8.090
KITS NONRECUR										
EQUIPMENT										31.660
EQUIP NONREC										
CHANGE ORDERS										1.670
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										0.560
ICS										2.220
INITIAL SPARES										12.580
OGC										7.990
INSTALLATION OF HARDWARE										
FY-08									8	7.230
TOTAL INSTALL									8	7.230
TOTAL COST (BP-1100)									8	72.000
(Totals may not add due to rounding)										
INSTALLATION QTY									8	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

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

Installation Schedule

Quarter	<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
Input																								
Output																	2	6						

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-32				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$43.000	\$43.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the C-32 aircraft, commercial equivalent Boeing 757. The C-32 is a long-range jet transport designed to transport VIPSAM passengers. The modifications in the FY08 GWOT Supplemental are: Secure Telephone Equipment (STE-R) and Voice Over Internet Protocol (VOIP).

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW049	SECURE TELEPHONE EQU			32.0							32.0
	GW050	VOICE OVER IP (VOIP)			11.0							11.0
TOTAL FOR CLASS P			0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0
TOTAL FOR WEAPON SYSTEM C-32			0.0	0.0	43.0	0.0	0.0	0.0	0.0	0.0	0.0	43.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: SECURE TELEPHONE EQUIPMENT (STE-R) MN-GW049

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-32 Class P

Models of Aircraft Affected: C-32

Center: ASC - Wright Patterson AFB, OH

PE 0401845F

Team

Description/Justification

Installs necessary electrical power upgrades and equipment to enable secure voice/data connectivity for national leadership.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This modification will provide power upgrade modifications and the necessary equipment to enable secure voice/data connectivity for our national leadership. If this modification is done in conjunction with the Voice Over IP modification, funding is sufficient for all four aircraft. If this modification is done "stand-alone", funding is sufficient for 3 of the 4 aircraft. Synergy is obtained when doing the two modifications concurrently.

This is a New Start effort.

Aircraft Breakdown: Active 4, Reserve , ANG , Total 4

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							4					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY08 GWOT							[4]	32.000				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							4	32.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									4	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY08 GWOT									[4]	32.000
TOTAL COST (BP-1100)									4	32.000
(Totals may not add due to rounding)										

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: VOICE OVER IP (VOIP) MN-GW050

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: C-32 Class P

Models of Aircraft Affected: C-32

Center: ASC - Wright Patterson AFB, OH

PE 0401845F

Team

Description/Justification

Installs capability for voice over the Internet Protocol to provide secure voice for command and control in support of GWOT.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This modification will provide secure voice capability for proper C2 in support of GWOT.

This is a New Start effort.

Aircraft Breakdown: Active 4, Reserve , ANG , Total 4

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							4					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY08 GWOT							[4]	11.000				
TOTAL COST (BP-1100)							4	11.000				
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									4	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY08 GWOT									[4]	11.000
TOTAL COST (BP-1100)									4	11.000
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 15 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</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 September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-37				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$112.400	\$11.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the C-37 aircraft, commercial equivalent Gulfstream 5. The C-37 is a long-range jet transport designed to transport VIPSAM passengers. The modifications in the FY08 GWOT Supplemental are: Secure Telephone Equipment (STE-R) and Voice Over Internet Protocol (VOIP).

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW049	SECURE TELEPHONE EQU			5.0							5.0
	GW050	VOICE OVER IP (VOIP)			6.0							6.0
TOTAL FOR CLASS P			0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0
TOTAL FOR WEAPON SYSTEM C-37			0.0	0.0	11.0	0.0	0.0	0.0	0.0	0.0	0.0	11.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

	P-1 SHOPP LIST ITEM NO. 36	PAGE NO. 1	
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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: SECURE TELEPHONE EQUIPMENT (STE-R) MN-GW049

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 0401845F

Team

Description/Justification

Installs necessary equipment to enable secure voice/data connectivity for national leadership.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This modification will provide the necessary equipment to enable secure voice/data connectivity for our national leadership.

This is a New Start effort.

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

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							10					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE								5.000				
FY-08							[4]			[6]		
TOTAL INSTALL							4			6		
TOTAL COST (BP-1100)							10	5.000				
(Totals may not add due to rounding)												
INSTALLATION QTY							4			6		

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									10	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										5.000
INSTALLATION OF HARDWARE										
FY-08 10 KITS									[10]	
TOTAL INSTALL									10	
TOTAL COST (BP-1100)									10	5.000
(Totals may not add due to rounding)										
INSTALLATION QTY									10	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 3 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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	
Input														2	2	2	2				
Output													2	2	2	2	2				

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: VOICE OVER IP (VOIP) MN-GW050

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 0401845F

Team

Description/Justification

Installs the capability for voice communications over the Internet Protocol to provide secure voice communications for command and control in support of GWOT.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This modification will provide secure voice capability for proper C2 in support of GWOT.

This is a New Start effort.

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

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							10					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE							[10]	6.000				
FY-08 10 KITS							[4]		[6]		[0]	
TOTAL INSTALL							4		6			
TOTAL COST (BP-1100)							10	6.000				
(Totals may not add due to rounding)												
INSTALLATION QTY							4		6			

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									10	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
									[10]	6.000
INSTALLATION OF HARDWARE										
FY-08 10 KITS			[0]						[10]	
TOTAL INSTALL									10	
TOTAL COST (BP-1100)									10	6.000
(Totals may not add due to rounding)										
INSTALLATION QTY									10	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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	
Input														2	2	2	2				
Output													2	2	2	2	2				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: A-10					
	2006	2007	2008	2009	2010	2011	2012	2013	
COST (In Mil)	\$0.000	\$0.000	\$33.500	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GWR01	Extended Duration Convert In			33.5							33.5
TOTAL FOR CLASS P			0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	33.5
TOTAL FOR WEAPON SYSTEM A-10			0.0	0.0	33.5	0.0	0.0	0.0	0.0	0.0	0.0	33.5

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: Extended Duration Convert Infared Countermeasures (EIRCM) MN-GWR01

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

Models of Aircraft Affected: A-10A/C

Center: OO-ALC - Hill AFB, UT

PE 0207131F

Team POWER

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 2008 AMENDED 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. The EIRCM requirement costing \$26.8M will be executed over the life of the (procurement) appropriation.

No funding was requested for this project in the FY08 GWOT Supplemental.

Aircraft Breakdown: Active 62, Reserve 55, ANG 57, Total 174

Development Status

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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												
FY08 GWOT							[174]	33.500				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								33.500				
INSTALLATION QTY												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
FY08 GWOT									[174]	33.500
INSTALLATION OF HARDWARE										
TOTAL INSTALL										
TOTAL COST (BP-1100)										33.500
(Totals may not add due to rounding)										
INSTALLATION QTY										

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 9 Months

Follow-On Lead Time: 9 Months

Milestones

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

Installation Schedule

	Quarter	<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>			
		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																																	
Input																																	
Output																																	

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-40				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$90.500	\$39.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

The C-40 is an FAA certified aircraft. These service bulletins affect safety, product improvement, maintenance and reliability. Service bulletins are issued to correct FAA identified deficiencies. The modifications in the FY08 GWOT Supplemental are: Secure Telephone Equipment (STE-R) and Voice Over Internet Protocol (VOIP).

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW049	SECURE TELEPHONE EQU			24.0							24.0
	GW050	VOICE OVER IP (VOIP)			15.0							15.0
TOTAL FOR CLASS P			0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0
TOTAL FOR WEAPON SYSTEM C-40			0.0	0.0	39.0	0.0	0.0	0.0	0.0	0.0	0.0	39.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: SECURE TELEPHONE EQUIPMENT (STE-R) MN-GW049

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

Models of Aircraft Affected: C-40

Center: ASC - Wright Patterson AFB, OH

PE 0401845F

Team

Description/Justification

Installs communications systems modifications and necessary equipment to enable secure voice/data connectivity for national leadership.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This effort will provide communications systems modifications and the necessary equipment to enable secure voice/data connectivity for our national leadership. Additionally, this effort will upgrade the comm capability of the remaining three C-40Bs to the existing comm capability of the 4th C-40B.

This is a New Start effort.

Aircraft Breakdown: Active 4, Reserve , ANG , Total 4

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							4					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF HARDWARE								24.000				
FY-08			4	KITS						[2]		[2]
TOTAL INSTALL										2		2
TOTAL COST (BP-1100)							4	24.000				
(Totals may not add due to rounding)												
INSTALLATION QTY										2		2

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									4	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										24.000
INSTALLATION OF HARDWARE										
FY-08 4 KITS									[4]	
TOTAL INSTALL									4	
TOTAL COST (BP-1100)									4	24.000
(Totals may not add due to rounding)										
INSTALLATION QTY									4	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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	
Input																		1	1	1	1				
Output																		1	1	1	1				

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: VOICE OVER IP (VOIP) MN-GW050

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

Models of Aircraft Affected: C-40

Center: ASC - Wright Patterson AFB, OH

PE 0401845F

Team

Description/Justification

Installs a capability for voice over the Internet Protocol to provide secure command and control for GWOT.

FY 2008 GWOT JUSTIFICATION

Baseline SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry-out their duties and responsibilities in support of the Global War on Terrorism (GWOT). National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This modification will provide secure voice capability for proper C2 in support of GWOT.

This is a New Start effort.

Aircraft Breakdown: Active 4, Reserve , ANG , Total 4

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							4					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY08 GWOT							[4]	15.000				
TOTAL COST (BP-1100)							4	15.000				
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									4	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY08 GWOT									[4]	15.000
TOTAL COST (BP-1100)									4	15.000
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 12 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: CCALL				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.600	\$23.700	\$19.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modification for the Compass Call program. The primary modifications budgeted in the FY08 GWOT Supplemental are: T-56 Engine QEC Common Configuration and fixing EC-130 Force Structure.

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW031	T-56 ENGINE QEC COMMO			6.5							6.5
	GW048	Fix EC-130 Force Structure			12.5							12.5
TOTAL FOR CLASS P			0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0
TOTAL FOR WEAPON SYSTEM CCALL			0.0	0.0	19.0	0.0	0.0	0.0	0.0	0.0	0.0	19.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: T-56 ENGINE QEC COMMON CONFIGURATION MN-GW031

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 role in IED Defeat in supporting the global war on terrorism.

FY08 GWOT JUSTIFICATION

\$6.5M - COMPASS CALL T-56 Engine Quick Engine Change (QEC) Common Configuration. Provides the EC-130H COMPASS CALL with Quick Engine Change (QEC) kits common with other variants of the C-130 aircraft; increasing supportability at deployed and enroute locations. To date, the EC-130H QEC kits have been a unique configuration without oil cooler augmentation for more efficient cooling of the T-56 engine. The uniqueness of this QEC has caused excessive delays (up to ten days) repairing broken aircraft in or transiting to/from the AOR in their support role in counter IED efforts.

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-06		FY-07		FY-08		FY-09		FY-10		
	<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								6.500					
TOTAL COST (BP-1100)								<hr/>					6.500
(Totals may not add due to rounding)								6.500					

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										6.500
TOTAL COST (BP-1100)										6.500
(Totals may not add due to rounding)										6.500

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: Fix EC-130 Force Structure MN-GW048

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 and training 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.

FY08 GWOT JUSTIFICATION

\$12.5M - Upgrades existing COMPASS CALL Mission Crew Simulator (CCMCS) to the Block 35 configuration. The currently fielded Block 30 CCMCS can only support 50 percent of crew training after FY10. (\$5.6M for development of the modification to the CCMCS Trainer is included in the FY07 GWOT Justification for COMPASS CALL RDT&E funds.) The upgraded CCMCS is required to develop mission-ready crews to sustain adequate force structure in support of Combatant Commander requirements. The CCMCS is the primary, and often the only, method to conduct mission crew training. Due to the sensitive nature of the capabilities of this electronic attack (EA) platform, mission crew training on advanced targets using advanced techniques can only be accomplished in the CCMCS. The current CCMCS is an older configuration than that of the fielded aircraft. This deficiency requires mission crews to rely on ad-hoc training opportunities using combat aircraft in areas lacking the appropriate signal environment, resulting in reduced overall weapons system combat effectiveness.

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

Development Status

The EC-130H weapons 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 current COMPASS CALL configuration being fielded and delivered to the warfighter is Block 35, Baseline 0. The Baseline 1 configuration of the COMPASS CALL is in the development stages.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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								12.500				
TOTAL COST (BP-1100)								12.500				
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										12.500
TOTAL COST (BP-1100)	<hr/>									12.500
(Totals may not add due to rounding)										12.500

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: DARP				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$15.300	\$15.000	\$158.800	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds classified modifications to the Defense Airborne Reconnaissance Program (DARP) aircraft. The primary modifications budgeted in the FY08 GWOT Supplemental is to Rivet Joint. The specific modifications are; Rivet Joint Glass Cockpit (\$25.0M), Receivers for Exploitation of Mobile Tactical Communication Targets (\$10.0M) and Wide-Band Real-Time Signals Intelligence (\$5.0M).

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GW011	RECEIVERS FOR EXPLOIT			10.0							10.0
	GW012	WIDE-BAND REAL-TIME SI			5.0							5.0
	GW013	RIVET JOINT GLASS COCK			25.0							25.0
	GW014	WC-135 ENGINES			118.8							118.8
TOTAL FOR CLASS P			0.0	0.0	158.8	0.0	0.0	0.0	0.0	0.0	0.0	158.8
TOTAL FOR WEAPON SYSTEM DARP			0.0	0.0	158.8	0.0	0.0	0.0	0.0	0.0	0.0	158.8

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: RECEIVERS FOR EXPLOITATION OF MOBILE MN-GW011

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-06		FY-07		FY-08		FY-09		FY-10	
	<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												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								10.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
TOTAL COST (BP-1100)	<hr/>									10.000
(Totals may not add due to rounding)										

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
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-06		FY-07		FY-08		FY-09		FY-10	
	<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												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								5.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
TOTAL COST (BP-1100)	<hr/>									5.000
(Totals may not add due to rounding)										

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: RIVET JOINT GLASS COCKPIT MN-GW013

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

Models of Aircraft Affected: WC-135

Center: ASC - Wright Patterson AFB, OH

PE 35207F

Team

Description/Justification

FY2008 GWOT JUSTIFICATION: This effort sustains the US airborne intelligence capability to maintain unfettered, world-wide, access to all nation states and geographic regions known to develop or produce nuclear materials which have a high likely hood of migrating into terrorist control. The WC-135 aircraft must comply with new ICAO aviation navigation agreements on minimal navigation avionics, communications and safety of flight requirements or be denied access to overflight.

\$25M request modifies the two WC-135 aircraft flight deck configurations to the RC-135 compliant Communications, Navigation, Surveillance and Air Traffic Management (CNS/ATM) standards thus insuring unfettered international navigation and flight following access compliance prior to the 2012 implementation date.

Aircraft Breakdown: Active 2, Reserve , ANG , Total 2

Development Status

The development status of this duplicates the RC-135 flight deck on the WC-135 aircraft and is a minimal risk 'buy and install per print'.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR							[2]	25.000				
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								25.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									[2]	25.000
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									25.000
(Totals may not add due to rounding)										

Method of Implementation: DEPOT/FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: WC-135 ENGINES MN-GW014

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

Models of Aircraft Affected: Center: PE Team

Description/Justification

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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												
TOTAL COST (BP-1100)								118.800				
(Totals may not add due to rounding)								118.800				

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										118.800
TOTAL COST (BP-1100)	<hr/>									118.800
(Totals may not add due to rounding)										118.800

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</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 September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: E-3				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$0.000	\$65.000	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

The modifications to be supported by the FY08 GWOT supplemental are: Next Generation Identification Friend or Foe (IFF) and Reliability, Maintainability and Availability Mods.

CLASS	MOD NR	MODIFICATION TITLE	FY-06	FY-07	FY-08	FY-09	FY-10	FY-11	FY-12	FY-13	COST TO GO	TOTAL PROG
P	GW065	RM&A Mods			25.0							25.0
	GW067	Next Generation Identification			40.0							40.0
TOTAL FOR CLASS P			0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0
TOTAL FOR WEAPON SYSTEM E-3			0.0	0.0	65.0	0.0	0.0	0.0	0.0	0.0	0.0	65.0

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: RM&A Mods MN-GW065

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: E-3 Class P

Models of Aircraft Affected: E-3 B/C

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

RM&A modifications ensure continuing reliability, maintainability, and availability of AWACS in support of Task Force CONOPS and help lay the foundation for achieving the Commander Air Combat Command (COMACC) mandated mission capable (MC) rate of 80%.

ARC-169 UHF Low Power Filter – Replace current Low Power Filter (1970s technology) with an upgraded filter using solid state technology. The new filter has a predicted MTBF of 77,034 hours, which is approximately 12.5 times higher than the legacy filter (6,183 hours). Current supportability data indicates there is a 13% increase in the quarterly demand rate for the legacy filter over the past year and a 15.5% decrease in mean time between demand, demonstrating a negative trend for the legacy filter. Paired with an increasing Condemnation Rate, aircraft availability will be adversely impacted without the new LPF.

FY08 GWOT funds will procure the required 32 production kits (1 lot) for organic, flightline installation. There are a total of 33 aircraft: 32 operational and 1 test aircraft designated TS-3. TS-3 is modified with RDT&E funds.

This modification provides increased aircraft reliability and maintainability for this low density, high demand C2ISR asset critical to the GWOT and supports fleet viability throughout the configuration upgrade to Block 40/45.

Aircraft Breakdown: Active 32, Reserve 0, ANG 0, Total 32

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT							[32]	22.131				
EQUIP NONREC								0.584				
CHANGE ORDERS								1.920				
DATA								0.365				
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								25.000				

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										
KITS NONRECUR										
EQUIPMENT									[32]	22.131
EQUIP NONREC										0.584
CHANGE ORDERS										1.920
DATA										0.365
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									25.000
(Totals may not add due to rounding)										

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 3 Months

Follow-On Lead Time: 0 Months

Milestones

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

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: Next Generation Identification Friend or Foe (IFF) MN-GW067

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: E-3 Class P

Models of Aircraft Affected: E -3B/C

Center: ESC - Hanscom AFB, MA

PE 0207417F

Team INFO

Description/Justification

FY08 PB funds acquisition and retrofit of the Next Generation Identification Friend or Foe (NGIFF) Program. NSA declared IFF Mode 4 unsecure and obsolete in a 5 November 2003 letter. The NGIFF system provides enhanced IFF interrogator operation to add a more secure Mode 5 and a Mode S civil capability. The Mode 5 capability will be integrated into Block 30/35 and both Mode 5 and S capabilities will be integrated into the Block 40/45 aircraft. Also included is the Mode 5 transponder card and transponder appliqué card (crypto). There are a total of 33 aircraft: 32 operational and 1 test aircraft designated TS-3. TS-3 is modified with RDT&E funds. FY08 PB funding through FY13 covers 21 of 32 operational aircraft kit buys and installs. Remaining 11 kits planned to be funded in FY14.

FY08 GWOT funds will procure AN/UPX-40 Interrogator Sets for the AWACS E-3 program. This modification will provide the hardware necessary for the Mode 5/S upgrade (legacy modes preserved). The AN/UPX-40 hardware will be a form, fit, increased function replacement to the current interrogator and supports the fleet throughout its configuration upgrade to Block 40/45.

FY08 GWOT funds will procure the required 32 production kits (1 lot) for organic, flightline installation and accelerate the fielding of the Mode 5 capability on the current AWACS fleet and support early Block 40/45 Mode 5/S Mission System software implementation. Acceleration of this modification provides the framework for accelerated fielding of the IFF capability for this low density, high demand C2ISR asset critical to the GWOT.

Aircraft Breakdown: Active 32, Reserve 0, ANG 0, Total 32

Development Status

SDD starts in FY08

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT							[32]	38.493				
EQUIP NONREC												
CHANGE ORDERS								0.770				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
OGC								0.200				
CONTRACTOR SUPPORT								0.282				
PROGRAM MNGMT								0.255				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								40.000				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										
KITS NONRECUR										
EQUIPMENT									[32]	38.493
EQUIP NONREC										
CHANGE ORDERS										0.770
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
OGC										0.200
CONTRACTOR SUPPORT										0.282
PROGRAM MNGMT										0.255
TOTAL COST (BP-1100)										40.000
(Totals may not add due to rounding)										

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 18 Months

Follow-On Lead Time: 0 Months

Milestones

	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>
Contract Date (Month/CY)				06/08
Delivery Date (Month/CY)				12/09

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: E-8C				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$17.500	\$66.300	\$0.000	\$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 the FY08 GWOT Supplemental is Vanishing Vendors (parts obsolescence issues).

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
P	GWR52	BLOS Communications			25.0							25.0
TOTAL FOR CLASS P			0.0	0.0	25.0	0.0	0.0	0.0	0.0	0.0	0.0	25.0
	GW009	E-8 VANISHING VENDORS			41.3							41.3
TOTAL FOR CLASS			0.0	0.0	41.3	0.0	0.0	0.0	0.0	0.0	0.0	41.3
TOTAL FOR WEAPON SYSTEM E-8C			0.0	0.0	66.3	0.0	0.0	0.0	0.0	0.0	0.0	66.3

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: E-8 VANISHING VENDORS MN-GW009

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

Models of Aircraft Affected: Center: PE Team

Description/Justification

NOTE: COTS products cannot be utilized.

The Joint STARS PME systems will experience DMS/MS obsolescence in FY09-12. The funding will allow the AF to begin to replace four of the DMS/MS items including two of the most critical processor components compatible with MP-RTIP. The funds will help resolve the Joint STARS PME DMS/MS obsolescence issues and enable the transition of MP-RTIP NRE to the Joint STARS fleet. The Retrofit contract would require an additional \$106M in FY10.

The retrofit contract is anticipated to be a Fixed Price Incentive Fee contract.

The Initial Spares (which have been included in the kit costs) will be awarded as part of the overall Retrofit contract, spread out over four years.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

The SDD contract could be awarded by the end of the 3rd quarter of fiscal year 08 or at the latest, the beginning of the 4th quarter of FY08. It is anticipated that a Cost Plus type contract will be implemented.

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)							[266]					
PROCUREMENT (3010)							[4]	41.300				
INSTALL KITS												
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												41.300
(Totals may not add due to rounding)												

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)									[266]	
PROCUREMENT (3010)									[4]	41.300
INSTALL KITS										
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									41.300
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: BLOS Communications MN-GWR52

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

Models of Aircraft Affected:

Center:

PE 27581F

Team

Description/Justification

GWOT funding procures 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 needed 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

FY08 RDT&E funding 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-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)								36.000				
PROCUREMENT (3010)												
INSTALL KITS							[21]	11.751				
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS								1.530				
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
INSTALLATION OF H							[21]	11.719				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								25.000				
(Totals may not add due to rounding)												
INSTALLATION QTY											21	

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										36.000
PROCUREMENT (3010)										
INSTALL KITS									[21]	11.751
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										1.530
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
INSTALLATION OF H									[21]	11.719
INSTALLATION OF HARDWARE										
TOTAL INSTALL										
TOTAL COST (BP-1100)										25.000
(Totals may not add due to rounding)										
INSTALLATION QTY									21	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 4 Months

Follow-On Lead Time: 3 Months

Milestones

	<u>FY-05</u>	<u>FY-06</u>	<u>FY-07</u>	<u>FY-08</u>
Contract Date (Month/CY)				10/07
Delivery Date (Month/CY)				02/08

Installation Schedule

Quarter	<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
Input																
Output													10	11		
													10	11		

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: HH-60				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$9.200	\$6.900	\$6.900	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the HH-60 helicopter. The HH-60 is a twin engine, aerial refuelable helicopter capable of performing combat search and rescue missions day or night.

The major modifications budgeted in the FY08 GWOT are IHIRSS and ARC-222 Single Channel Ground and Airborne Radion System (SINCGARS).
 ture conditions. The Improved Hover Infra-Red Suppression System (I-HIRSS) is designed to reduce the engine exhaust Infra-Red (IR) signature by 30%, while increasing engine shaft horsepower by 3%. Installations will be performed at the O/I level.

Current transmission ranges on the ARC-222 radio in the SINCGARS FH mode make the HH-60G incapable of communicating with ground units beyond approximately 2.7 nautical miles in the OEF/OIF environment. The SINCGARS modification extends the transmission range of the ARC-222 radio as configured on the HH-60G aircraft while operating in the Frequency Hopping (FH) mode.

CLASS	MOD NR	MODIFICATION TITLE	EY-06	EY-07	EY-08	EY-09	EY-10	EY-11	EY-12	EY-13	COST TO GO	TOTAL PROG
P	GW033	IBASS			0.5							0.5
	GW034	IHIRSS			4.8							4.8
	GW040	HH-60 ARC-222 SINGLE CH			1.6							1.6
TOTAL FOR CLASS P			0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.9
TOTAL FOR WEAPON SYSTEM HH-60			0.0	0.0	6.9	0.0	0.0	0.0	0.0	0.0	0.0	6.9

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: IHIRSS MN-GW034

Exhibit P3A Congressional
 Appropriation: Aircraft Procurement, Air Force
 CLC: HH-60 Class P

Models of Aircraft Affected: HH-60G

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

The USAF has a requirement to perform Combat Search and Rescue (CSAR) missions in high altitude and high temperature conditions. This program modifies the USAF HH-60 CSAR helicopter with a bolt-on engine induction cooling system. The Improved Hover Infra-Red Suppression System (I-HIRSS) is designed to reduce the engine exhaust Infra-Red (IR) signature by 30%, while increasing engine shaft horsepower by 3%. Installations will be performed at the O/I level.

FY 2008 GWOT JUSTIFICATION

The initial I-HIRSS requirement was 86 sets (1 per aircraft) for Active Duty, Air Force Reserve Command (AFRC), and Air National Guard (ANG) HH-60 Pave Hawks. FY05 GWOT funding enabled procurement of only 44 sets to equip 44 HH-60Gs with the I-HIRSS. Without additional funding, the remaining 42 aircraft will not be modified with this critical system.

This request is in response to a real-world threat that possesses lethal IR weapon system capabilities in theater. If the remaining 42 aircraft are not funded and do not receive the necessary upgrade, then aircraft and crew will be more susceptible to enemy IR weapon systems; possibly resulting in a direct strike on the USAF HH-60G.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<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												
FY08 GWOT							[42]	4.800				
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								4.800				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
FY08 GWOT									[42]	4.800
TOTAL COST (BP-1100)										4.800
(Totals may not add due to rounding)										4.800

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

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

UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: HH-60 ARC-222 SINGLE CHANNEL GROUND MN-GW040

Exhibit P3A Congressional
Appropriation: Aircraft Procurement, Air Force
CLC: HH-60 Class P

Models of Aircraft Affected: HH-60G

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

The ARC-222 Single Channel Ground and Airborne Radio System (SINGARS) modification extends the transmission range of the ARC-222 radio as configured on the HH-60G aircraft while operating in the Frequency Hopping (FH) mode.

FY 2008 GWOT JUSTIFICATION

Current transmission ranges on the ARC-222 radio in the SINGARS FH mode makes the HH-60G incapable of communicating with ground units beyond approximately 2.7 nautical miles in the OEF/OIF environment. Communication with ground forces during Combat Search and Rescue operations is essential to mission success. The US Army uses SINGARS exclusively in OIF, and USAF HH-60 aircraft must be able to communicate with Army assets in order to effectively integrate and prosecute the CSAR mission. The funding requested will be sufficient to install the SINGARS modification is approximately half of the current HH-60G fleet. Costs to modify the remaining aircraft will included in the FY10 POM. This is a new start.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

N/A

Projected Financial Plan

		PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10
	<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												
FY08 GWOT							[46]	1.600				
INSTALLATION OF HARDWARE												
TOTAL INSTALL												
TOTAL COST (BP-1100)								1.600				
(Totals may not add due to rounding)												
INSTALLATION QTY												

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<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										
FY08 GWOT									[46]	1.600
INSTALLATION OF HARDWARE	<hr/>									
TOTAL INSTALL	<hr/>									
TOTAL COST (BP-1100)	<hr/>									
(Totals may not add due to rounding)										1.600
INSTALLATION QTY										

Method of Implementation: COMBINATION

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

	<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>			
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 September 2007
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: C-130				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$222.663	\$86.340	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

This line item funds modifications to the C-130 aircraft. The four engine C-130 provides theater airlift and carries either 92 troops, 64 paratroopers, 74 litter patients, or 6 standard 463-L pallets. The modifications budgeted in the FY08 GWOT Supplemental are C-130 Center Wing Replacement, MC-130 Combined CARA/ETCAS, MC/HC-130 Crashworthy Load-Master Seat and C-130 Dual Rail System.

CLASS	MOD NR	MODIFICATION TITLE	EY-06	EY-07	EY-08	EY-09	EY-10	EY-11	EY-12	EY-13	COST TO GO	TOTAL PROG
P	GW01	C-130 Dual Rail System			11.3							11.3
	GW02	MC/HC-130 Crashworthy Loa			1.2							1.2
	GW03	MC-130 Combined CARA/ET			14.5							14.5
	GW039	C-130 CENTER WING REPL			59.3							59.3
TOTAL FOR CLASS P			0.0	0.0	86.3	0.0	0.0	0.0	0.0	0.0	0.0	86.3
TOTAL FOR WEAPON SYSTEM C-130			0.0	0.0	86.3	0.0	0.0	0.0	0.0	0.0	0.0	86.3

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
MODIFICATION OF AIRCRAFT

09/05/2007
FY 2008 GWOT Re-Attack
Modification Title and No: C-130 Dual Rail System MN-GW01

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

Models of Aircraft Affected: HC-130P

Center: WRALC Robins AFB GA

PE 0207224F

Team AIR

Description/Justification

The C-130 dual rail system is made up of intermediate cargo rollers and outboard restraint assemblies. This system allows for roll-on/roll-off of palletized cargo, the ability to lock the pallets in during transport, and offers greater capability during airdrop operations. The HC-130P has no dual rail system and only a portion of the intermediate rollers are installed due to crew station console and scanner seats being located in the cargo compartment. Current capacity for palletized cargo is 3 pallets that must be restrained by cargo straps during transport. Additionally, current configuration only allows for a maximum number of resupply airdrop bundles of 4. A short dual rail system, currently installed on AFSOC MC-130E aircraft, can be installed on the HC-130P. This will increase HC-130P capacity for palletized cargo to 5 pallets and the number of resupply airdrop bundles to 12. ACC will require \$11.3M to equip 37 HC-130Ps.

FY2008 GWOT JUSTIFICATION

Installation of the short dual rail system will increase ACC's capability to deliver needed cargo required in on-going contingency and humanitarian operations. At a minimum, installation of the short dual rail system will: increase palletized cargo carrying capability from 3 to 5 pallets and increase resupply airdrop capability from 4 bundles to 12, allows for a controlled emergency jettison of cargo in flight if required by emergency, adds combat offload capability allowing rapid offload of pallets in combat or emergency situations without the need of cargo handling equipment or ground support personnel, reduces cargo upload/download time under normal circumstances with increased safety margin to crew loadmasters and cargo handling personnel.

Impact if Funds are Not Provided: HC-130P aircraft and aircrews, along with ground crews, will continue to be at increased risk as prolonged ground times to on/off load equipment significantly increase their exposure to ground fire and mortar rounds. Enhancements provided by this system greatly increase critical air/land/airdrop mission effectiveness by 200% in resupply airdrop capability.

Aircraft Breakdown: Active 19, Reserve 5, ANG 13, Total 37

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							37					
KITS NONRECUR												
EQUIPMENT							[37]					
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							11.300					
INSTALLATION OF HARDWARE												
FY-08			37 KITS						[18]		[19]	
TOTAL INSTALL									18		19	
TOTAL COST (BP-1100)							37	11.300				

Projected Financial Plan Continued

(Totals may not add due to rounding)

INSTALLATION QTY

PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
<u>QTY</u>	<u>COST</u>										
								18		19	

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS										37
KITS NONRECUR										
EQUIPMENT										[37]
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY07 GWOT										11.300
INSTALLATION OF HARDWARE										
FY-08 37 KITS										[37]
TOTAL INSTALL										37
TOTAL COST (BP-1100)										37
(Totals may not add due to rounding)										11.300
INSTALLATION QTY										37

Method of Implementation: CONTRACT FIELD TEAM

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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	
Input																		9	9	9	10				
Output																		9	9	9	10				

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: MC/HC-130 Crashworthy Loadmaster Seat MN-GW02

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

Models of Aircraft Affected: HC-130P, MC-130

Center: WRALC Robins AFB GA

PE 0404011F

Team INFO

Description/Justification

Procures 19 kits for the MC/HC-130 loadmasters crash-worthy scanning position seats at each paratroop door.

FY 2008 GWOT JUSTIFICATION

Loadmasters unrestrained during most risky phases of mission or diminish a/c survivability by leaving scanning positions to secure themselves into web seating. No crashworthy seating is available for crew who occupy the paratroop door scanning position.

Impact if Funds are Not Provided: Crews will continue to operate with in a high risk environment reducing the probability of mission success.

Aircraft Breakdown: Active 19, Reserve , ANG , Total 19

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							19					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT								1.200				
TOTAL COST (BP-1100)							19	1.200				
(Totals may not add due to rounding)												

Fact Sheet: C-130 MN-GW02 MC/HC-130 Crashworthy Loadmaster Seat
(Continued)

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									19	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY07 GWOT										1.200
TOTAL COST (BP-1100)									19	1.200
(Totals may not add due to rounding)									19	1.200

Method of Implementation: ORG/INTERMEDIATE

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: MC-130 Combined CARA/ETCAS MN-GW03

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

Models of Aircraft Affected: MC-130E

Center: WRALC Robins AFB GA

PE 0404011F Team INFO

Description/Justification

Replacement for current radar altimeter/install ETCAS on 10 MC-130Es

FY 2008 GWOT JUSTIFICATION

Replaces/upgrades existing HG9050 radar altimeters currently installed on AFRC MC-130E aircraft to expand radar altimeter coverage from 5,000 ft to 15,000 ft. Improves safety of flight of TF/TA ops in OEF.

Impact if Funds are Not Provided: MC-130E crews operate at a decreased level of safety. There have been near misses between MC-130E and other platforms, endangering aircrew/aircraft. ETCAS provides aircrews with real-time data to de-conflict airspace usage. CARA and ETCAS provide for increased mission capability and help ensure the safety of aircrews in the combat environment.

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

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							10					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							[10]	14.500				
INSTALLATION OF HARDWARE												
FY-08										[8]		[2]
TOTAL INSTALL										8		2
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)							10	14.500				
INSTALLATION QTY										8		2

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									10	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY07 GWOT									[10]	14.500
INSTALLATION OF HARDWARE										
FY-08 10 KITS									[10]	
TOTAL INSTALL									10	
TOTAL COST (BP-1100)									10	14.500
(Totals may not add due to rounding)										
INSTALLATION QTY									10	

Method of Implementation: CONTRACTOR FACILITY

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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
Input																	2	2	2	2	2			
Output																	2	2	2	2	2			

UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: C-130 CENTER WING REPLACEMENT MN-GW039

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

Models of Aircraft Affected: C-130H & AC-130U

Center: WRALC Robins AFB GA

PE 0401115F Team MOBIL

Description/Justification

Funds are required to develop, procure, and install a center wing replacement (CWR) on selected C-130 MAF/AFSOF aircraft and to supply engineering and programmatic support to the program. Funds 6 AC-130Us and 4 C-130Hs.

FY 2008 GWOT JUSTIFICATION

Reason Funds are Required: Increased Ops Tempo and higher than projected flying hours due to the continued GWOT support have accelerated the C-130 center wing replacement into the FYDP. Based upon the recent in-service cracking, center wings are expected to have a high probability of generalized cracking beginning at 38,000 Equivalent Baseline Hours (EBH). Impact if Funds are Not Provided: Earlier estimations of AC-130U & C-130H center wing replacement were projected for FY18, but new information puts the center wing replacement within the FYDP. If C-130 center wings are not replaced in aircraft, flight restrictions and severe limitations will follow. Ultimately, catastrophic failure of the center wing would cause loss of life and aircraft.

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

Development Status

N/A

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							10					
KITS NONRECUR												
EQUIPMENT												
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
FY07 GWOT							[10]	59.340				
INSTALLATION OF HARDWARE												
FY-08												[4]
TOTAL INSTALL												4
TOTAL COST (BP-1100)							10	59.340				
(Totals may not add due to rounding)												
INSTALLATION QTY												4

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	QTY	COST	QTY	COST	QTY	COST	QTY	COST	QTY	COST
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									10	
KITS NONRECUR										
EQUIPMENT										
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
FY07 GWOT									[10]	59.340
INSTALLATION OF HARDWARE										
FY-08 10 KITS	[5]		[1]						[10]	
TOTAL INSTALL	5		1						10	
TOTAL COST (BP-1100)									10	59.340
(Totals may not add due to rounding)										
INSTALLATION QTY	5		1						10	

Method of Implementation: COMBINATION

Initial Lead Time: 24 Months

Follow-On Lead Time: 24 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

Installation Schedule

Quarter	<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>			
	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																					1	1	1	1	2	1	1	1	1	1	1	1

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007	
APPROPRIATION/BUDGET ACTIVITY AIRCRAFT PROCUREMENT-AIR FORCE/AIRCRAFT Modifications				P-1 ITEM NOMENCLATURE: HAEUAV					
	2006	2007	2008	2009	2010	2011	2012	2013	
COST (In Mil)	\$0.000	\$0.000	\$3.100	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000	

CLASS	MOD NR	MODIFICATION TITLE	EY-06	EY-07	EY-08	EY-09	EY-10	EY-11	EY-12	EY-13	COST TO GO	TOTAL PROG
P	GWR30	Global Hawk MOD			3.1							3.1
TOTAL FOR CLASS P			0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1
TOTAL FOR WEAPON SYSTEM HAEUAV			0.0	0.0	3.1	0.0	0.0	0.0	0.0	0.0	0.0	3.1

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

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UNCLASSIFIED
 MODIFICATION OF AIRCRAFT

09/05/2007
 FY 2008 GWOT Re-Attack
 Modification Title and No: Global Hawk MOD MN-GWR30

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

Models of Aircraft Affected:

Center:

PE 35220F

Team

Description/Justification

This modification will replace the current NiCad batteries used on the Global Hawk Block 10 with Lithium batteries. The modification will lower the weight and significantly lower the maintenance times associated with battery preparation between flights. Battery maintenance turn times have become a key maintenance event in sortie generation.

Aircraft Breakdown: Active , Reserve , ANG , Total 0

Development Status

Complete

Projected Financial Plan

	PRIOR		FY-06		FY-07		FY-08		FY-09		FY-10	
	<u>QTY</u>	<u>COST</u>										
RDT&E (3600)												
PROCUREMENT (3010)												
INSTALL KITS							[7]	1.080				
KITS NONRECUR												
EQUIPMENT							[7]	2.020				
EQUIP NONREC												
CHANGE ORDERS												
DATA												
SIM/TRAINER												
SUPPORT-EQUIP												
TOTAL COST (BP-1100)												
(Totals may not add due to rounding)								3.100				

(Continued)

	FY-11		FY-12		FY-13		TO COMP		TOTAL	
	<u>QTY</u>	<u>COST</u>								
RDT&E (3600)										
PROCUREMENT (3010)										
INSTALL KITS									[7]	1.080
KITS NONRECUR										
EQUIPMENT									[7]	2.020
EQUIP NONREC										
CHANGE ORDERS										
DATA										
SIM/TRAINER										
SUPPORT-EQUIP										
TOTAL COST (BP-1100)	<hr/>									3.100
(Totals may not add due to rounding)										

Method of Implementation:

Initial Lead Time: 0 Months

Follow-On Lead Time: 0 Months

Milestones

	<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>	<u>FY-19</u>
Contract Date (Month/CY)															
Delivery Date (Month/CY)															
Contract Date (Month/CY)															
Delivery Date (Month/CY)															

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FY 2008 AMENDED FY08 GWOT SUPPLEMENTAL RE-ATTACK

MISSILE PROCUREMENT MODIFICATIONS, AIR FORCE

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Missile Modifications

8 AGM129 3

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>MISSILE</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
AGM129		GW042	ALCM/ACM				0.6							0.6
TOTAL FOR CLASS				0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
TOTAL FOR MISSILE AGM129				0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY MISSILE PROCUREMENT-AIR FORCE/MISSILE Modifications				P-1 ITEM NOMENCLATURE: AGM129				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$0.000	\$0.600	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

The Advanced Cruise Missile (ACM) is a low-observable air-launched, strategic missile with significant improvements in range, accuracy and survivability over the Air Launched Cruise Missile (ALCM). The overall goal of the modification budgeted in FY07 is to extend operational capability of the ACM weapons system via the Service life Extension program.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
	GW042	ALCM/ACM			0.6							0.6
TOTAL FOR CLASS			0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
TOTAL FOR WEAPON SYSTEM AGM129			0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

	P-1 SHOPP LIST ITEM NO. 8	PAGE NO. 1	
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UNITED STATES AIR FORCE
Committee Staff Procurement Backup Book
FY 2008 Global War on Terror Budget Amendment



September 2007

MISSILE PROCUREMENT, AIR FORCE

OPR: SAF/FMB

P-1M MODIFICATION REPORT - 08 GWOT Re-Attack (HQ USAF)

09/05/2007

<u>MISSILE</u>	<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</u>	<u>PRIOR</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>COST TO GO</u>	<u>TOTAL PROG</u>
AGM129		GW042	ALCM/ACM				0.6							0.6
TOTAL FOR CLASS				0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
TOTAL FOR MISSILE AGM129				0.0	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6

Totals may not add due to rounding.

TOTAL PROG includes Prior Year and Cost To Go dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)								DATE September 2007
APPROPRIATION/BUDGET ACTIVITY MISSILE PROCUREMENT-AIR FORCE/MISSILE Modifications				P-1 ITEM NOMENCLATURE: AGM129				
	2006	2007	2008	2009	2010	2011	2012	2013
COST (In Mil)	\$0.000	\$0.000	\$0.600	\$0.000	\$0.000	\$0.000	\$0.000	\$0.000

The Advanced Cruise Missile (ACM) is a low-observable air-launched, strategic missile with significant improvements in range, accuracy and survivability over the Air Launched Cruise Missile (ALCM). The overall goal of the modification budgeted in FY07 is to extend operational capability of the ACM weapons system via the Service life Extension program.

<u>CLASS</u>	<u>MOD NR</u>	<u>MODIFICATION TITLE</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>COST TO GO</u>	<u>TOTAL PROG</u>
	GW042	ALCM/ACM			0.6							0.6
TOTAL FOR CLASS			0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6
TOTAL FOR WEAPON SYSTEM AGM129			0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.6

Totals may not add due to rounding.
TOTAL PROG includes Prior Year and Cost To Go dollars.

	P-1 SHOPP LIST ITEM NO. 8	PAGE NO. 1	
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Exhibit P-40, Budget Item Justification						Date: September 2007					
Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number						P-1 Line Item Nomenclature					
Missile Procurement, Air Force, Budget Activity 04, Spares and Repair Parts, Item No. 12						Missile Initial/Replenishment 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	FY08 GWOT	FY 2009	FY 2010	FY 2011	To Comp	Total
Proc Qty	A										0
Total Proc Cost (\$ M)			0.000	0.000	0.000	1.200	0.000	0.000	0.000		1.200

Description

Missile Initial Spares (Budget Program 26) and Replenishment Spares (Budget Program 25)

Program Description: MISSILE INITIAL SPARES (Budget Program 26). Missile Initial Spares are required to fill the initial spare parts pipeline or inventory for all new ballistic and non-ballistic missile systems, including modifications, support equipment, and other production categories. Initial spares include peculiar reparable and consumable components, assemblies, and subassemblies that must be available for issue at all levels of supply in time to support and maintain newly fielded end items.

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

Working Capital Fund (WCF) Spares. Since FY94 most spares are purchased using obligation authority in the WCF. When the spares are delivered, this central procurement account reimburses 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 Contractor Logistics Support, Simulators/Trainers, Classified Equipment, and Munitions.

Program Description: MISSILE REPLENISHMENT SPARES (Budget Program 25). The Missile Replenishment Spares program funds all ballistic and non-ballistic missile replenishment spares. The replenishment and repair spare parts are needed to support and maintain ballistic and non-ballistic missile systems. Replenishment spares include such items as rocket motors, cables, telemetry packages, and electronic components.

FY08 GWOT SUPPLEMENTAL

Advanced Medium Range Air to Air Missile (AMRAAM) (\$1.2M) For the this supplemental the AMRAAM needs funds for replenishment spare parts.

FY 2008 Program Justification

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Exhibit P-5, Weapon System Cost Analysis	Date: September 2007
---	----------------------

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 04, Spares and Repair Parts, Item No. 12	P-1 Line Item Nomenclature Missile Initial/Replenishment Spares
--	---

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			FY08 GWOT		
		Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost	Qty	Unit Cost	Total Cost
INITIAL SPARES (Budget Program 26)	A												
REPLEN SPARES (Budget Program 25)	A												1.200
TOTAL PROGRAM													1.200

Comments

Exhibit P-5, Weapon System Cost Analysis	Date: September 2007
---	----------------------

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 04, Spares and Repair Parts, Item No. 12	P-1 Line Item Nomenclature Missile Initial/Replenishment Spares
--	---

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

Weapon System Cost Elements	Ident Code	Cost to Complete		
		Qty	Unit Cost	Total Cost
		INITIAL SPARES (Budget Program 26)	A	
REPLEN SPARES (Budget Program 25)	A			
TOTAL PROGRAM				

Comments

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Exhibit P-18A, Initial Spare Funding Summary	Date: September 2007
---	----------------------

Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 04, Spares and Repair Parts, Item No. 12	P-1 Line Item Nomenclature Missile Initial/Replenishment 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>	<u>FY08 GWOT</u>
12	Advanced Medium Range Air-to-Air Missile (AMRAAM)	0.000	0.000	1.200
	TOTAL INITIAL SPARES	0.000	0.000	1.200

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Exhibit P-18A, Initial Spare Funding	Date: September 2007
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Appropriation (Treasury) Code/CC/BA/BSA/Item Control Number Missile Procurement, Air Force, Budget Activity 04, Spares and Repair Parts, Item No. 12	P-1 Line Item Nomenclature Missile Initial/Replenishment 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>	<u>FY08 GWOT</u>
	WCF SPARES	0.000	0.000	1.200
	EXEMPT SPARES			
	TOTAL INITIAL SPARES	0.000	0.000	1.200

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DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FY 2008 GLOBAL WAR ON TERROR
BUDGET AMENDMENT**

PROCUREMENT OF AMMUNITION

SEPTEMBER 2007

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DEPARTMENT OF THE AIR FORCE
PROCUREMENT OF AMMUNITION ESTIMATES
FOR FISCAL YEAR 2008

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PROCUREMENT OF AMMUNITION, AF

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6	Joint Direct Attack Munition.....	28
12	Items Less Than \$5 Million.....	33
13	Flares.....	35
14	Fuzes.....	57
15	Small Arms.....	61

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
USAFA - 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 2008 Global War on Terror Budget Amendment - Procurement P-1 Exhibit

Appn	BA	P-1 Line	Line Item Name	Original FY08 GWOT (\$000)	FY08 GWOT Budget Amendment (MRAP) (\$000)	FY08 GWOT Cost Adjustment (\$000)	Total FY08 GWOT (\$000)
PAAF	01	2	Cartridges	\$ 33,954	\$ -	\$ 1,200	\$ 35,154
PAAF	01	4	General Purpose Bombs	\$ 7,887	\$ -	\$ -	\$ 7,887
PAAF	01	6	Joint Direct Attack Munitions	\$ 13,094	\$ -	\$ -	\$ 13,094
PAAF	01	12	Items Less Than \$5 Million	\$ 12,100	\$ -	\$ -	\$ 12,100
PAAF	01	13	Flares	\$ 6,495	\$ -	\$ -	\$ 6,495
PAAF	01	14	Fuzes	\$ 475	\$ -	\$ -	\$ 475
PAAF	02	15	Small Arms	\$ -	\$ -	\$ 34,200	\$ 34,200
Total OPAF				\$ 74,005	\$ -	\$ 35,400	\$ 109,405

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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	\$35,154									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$1,189</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT \$19,100</td> <td style="width: 25%;">FY 2008 GWOT \$35,154</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$35,154M to replenish small arm ammunition inventories used in the GWOT. It also funds RR-180 Chaff. 2. In FY06, Cartridges received \$1.189M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 									FY 2006 GWOT \$1,189	FY 2007 Title IX --	FY 2007 GWOT \$19,100	FY 2008 GWOT \$35,154
FY 2006 GWOT \$1,189	FY 2007 Title IX --	FY 2007 GWOT \$19,100	FY 2008 GWOT \$35,154									
	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
---	----------------------------

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)									
40MM HEDP M430 (B542)	A					250,150	\$8,300		
40MM TP (B584)	A					341,010	\$10,200		
.50 CAL API/API-T4/1 LINK (A576	A					2,296,420	\$6,300		
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				\$10,354		
TOTALS:			\$1,189		\$19,100		\$35,154		

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 (40MM HEDP M430 - B542)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$0	\$0	\$8,300																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: center;">\$8,300</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$8.3M to replenish inventory used to support the GWOT. 2. This cartridge is a high explosive, dual purpose impact type round designed to penetrate two inches of steel armor and inflict personnel casualties in the target area. It is fired from the 40mm M75 and M129 grenade cartridge weapons and the 40mm grenade cartridge machine gun MK19 Mod 3. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$8,300
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$8,300																	
	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
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (40MM HEDP M430 - B542)
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
40MM HEDP M430 (B542)	A					250,150	\$8,300		
TOTALS:						250,150	\$8,300		

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 (40MM HEDP M430 - B542)						
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	
40MM HEDP M430 (B542)										
FY2008	250,150	\$33	AFMC/OO-ALC	MIPR/FFP	ARMY/AMTEC CORP/ JANESVILLE, WI	Nov-07	Apr-09	Yes		
<p>Remarks: Cost information is in actual dollars.</p>										
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: CARTRIDGES (40MM TP - B584)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$10,200									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$10,200</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$10.2M to replenish inventory used to support the GWOT. 2. This cartridge is a target practice round designed to simulate the M430 in appearance and ballistics. It is fired from the 40mm grenade cartridge launcher M129 and the 40mm grenade cartridge machine gun MK19 Mod 3. 3. This item is procured through the Army's Single Manager for Conventional Ammunition (SMCA) 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$10,200
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$10,200									
	P-1 ITEM NO 2		PAGE NO: 6		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 (40MM TP - B584)
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
40MM TP (B584)	A					341,010	\$10,200		
TOTALS:						341,010	\$10,200		

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 (40MM TP - B584)						
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	
40MM TP (B584)										
FY2008	341,010	\$30	AFMC/OO-ALC	MIPR/FFP	ARMY/AMTEC CORP/ JANESVILLE, WI	Jan-08	Feb-09	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 2				PAGE NO: 8	Page 1 of 1		

UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007													
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: CARTRIDGES (.50 CAL API/API-T4/1LINK - A576)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$0	\$0	\$6,300																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: center;">\$6,300</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$6.3M to replenish inventory used to support the GWOT. 2. The .50 caliber, armor piercing incendiary-tracer cartridge is used in .50 caliber machine guns against armored targets. It is similar to the M8 API cartridge with the addition of a tracer element. 3. This item is procured through the Army's Single Manager for Conventional Ammunition (SMCA). 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$6,300
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$6,300																	
	P-1 ITEM NO 2		PAGE NO: 9		Page 1 of 1															

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: CARTRIDGES (.50 CAL API/API-T4/1LINK - A576)								
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
.50 CAL API/API-T4/1 LINK (A576)	A							2,296,420	\$2.74	\$6,300			
TOTALS:										\$6,300			
<p>Remarks: Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 2				PAGE NO: 10				Page 1 of 1					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: CARTRIDGES (.50 CAL API/API-T4/1LINK - A576)
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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
.50 CAL API/API-T4/1 LINK (A576)									
FY2008(1)	2,296,420	\$2.74	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLIANT TECHSYSTEMS/LAKE CITY, MO	Jan-08	Sep-09	Yes	

Remarks:
 Cost information is in actual dollars.

(1) The contract has an FY99 base year with options through FY08.

	P-1 ITEM NO 2		PAGE NO: 11	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: CARTRIDGES (ITEMS LESS THAN \$5 MILLION)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$700	\$0	\$10,354									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$700</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$10,354</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$10,354K to replenish inventories used in the GWOT. 2. In FY06, Items Less Than \$5 Million Cartridges received \$0.7M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 3. All items have an annual procurement of less than \$5,000,000 and are Code A. 									FY 2006 GWOT \$700	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$10,354
FY 2006 GWOT \$700	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$10,354									
	P-1 ITEM NO 2		PAGE NO: 12		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 (ITEMS LESS THAN \$5 MILLION)
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
5.56 BALL M855 (A059)	A					12,775,842	\$3,300		
5.56 BALL 4/1 (A064)	A					4,693,877	\$2,300		
7.62MM 4/1 (A131)	A					4,307,692	\$2,800		
5.56 4/1 AP (AA02)	A					619,469	\$700		
RR-180 CHAFF (SY16)	A					736	\$54		
NEW AF HANDGUN AMMUNITION	A					3,428,571	\$1,200		
7.62MM BALL DIM TRACER (A257)	A	1,041,666	\$500						
7.62MM AP 4-1 M993 (AA04)	A	112,994	\$200						
TOTALS:		1,154,660	\$700			25,826,187	\$10,354		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 13	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: GENERAL PURPOSE BOMBS (OVERVIEW)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$8,073	\$0	\$7,887																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td style="text-align: right;">\$8,073</td> <td style="text-align: center;">--</td> <td style="text-align: center;">--</td> <td style="text-align: right;">\$7,887</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$7.887M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM stockpile shortages directly impact readiness posture. 2. In FY06, General Purpose Bombs received \$8.073M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 3. The General Purpose (GP) Bombs category includes high explosive air delivered bombs and associated fins and guidance kits. The warfighter delivers these munitions via fighter or bomber aircraft in support of both training and wartime contingency taskings. GP Bombs can be used as either unguided weapons or as guided munitions after the installation of a guidance and control kit. 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	\$8,073	--	--	\$7,887
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
\$8,073	--	--	\$7,887																	
	P-1 ITEM NO 4		PAGE NO: 14		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: GENERAL PURPOSE BOMBS (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BLU-109/B PENETRATOR (EC72)	A	143	\$2,000			118	\$1,652		
GBU-10/12 COMPUTER CONTROL GROUP	A					253	\$2,202		
MK-84 2000 LB GP BOMB (F275)	A	341	\$2,073			445	\$2,560		
MXU-650 GBU-12	A					364	\$1,473		
BLU-110 1000 LB GP BOMB (EB28)	A	279	\$2,000						
MXU-651 FIN ASSEMBLY	A	654	\$2,000						
TOTALS:			\$8,073				\$7,887		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 15		Page 1 of 1
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - F140)
--	---

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$2,000	\$0	\$1,652					

Description:
(Dollars in Thousands)

FY 2006 GWOT \$2,000	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,652
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. FY08 GWOT Supplemental provides \$1.652M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM stockpile shortages directly impact readiness posture.
2. In FY06, BLU-109 2000 LB Hard Target Bomb received \$2.0M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006.
2. The BLU-109 warhead is a 2000-pound hard target penetrator bomb. It is a penetration weapon used against bunkers, aircraft shelters, and reinforced concrete structures. The warhead is used on the GBU-10, 24, and 27 as well as Joint Direct Attack Munition (JDAM) weapon systems.
3. This item is procured through the Single Manager for Conventional Ammunition (SMCA).

	P-1 ITEM NO 4		PAGE NO: 16	Page 1 of 1
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - F140)								
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
BLU-109/B	A	143	\$13,983	\$2,000				118	\$14,000	\$1,652			
TOTALS:				\$2,000						\$1,652			
<p>Remarks: Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 4				PAGE NO: 17				Page 1 of 1					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (BLU-109 2000 LB HARD TARGET BOMB - F140)
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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
BLU-109/B									
FY2006(1)	143	\$13,983	AFMC/OO-ALC	MIPR/FFP W/OPT	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Aug-06	Nov-07		
FY2008(1)	118	\$14,000	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/JMC/MCALESTER ARMY AMMUNITION PLANT/MCALESTER, OK	Nov-07	Feb-09	Yes	

Remarks:
 Cost information is in actual dollars.

Ellwood National Forge Company, Irvine, PA, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs, (LAP) the bombs.

(1) Contract will have an FY06 base year with three option years.

	P-1 ITEM NO 4		PAGE NO: 18	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: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$2,202									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$2,202</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$2.202M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM stockpile shortages directly impact readiness posture. 2. The GBU-10/12 Computer Control Group is a laser homing guidance unit used on the GBU-10 (MK-84 Warhead, 2000lb class) or GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for maneuverability and increased aircraft payload. These weapons are primarily used for precision bombing against hardened and non-hardened targets. 3. This item is procured through the Ogden Air Logistics Center. 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$2,202
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$2,202									
	P-1 ITEM NO 4		PAGE NO: 19		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: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
GBU-10/12 COMPUTER CONTROL GROUP	A							253	\$8,705	\$2,202			
TOTALS:								253		\$2,202			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 20	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (GBU-10/12 COMPUTER CONTROL GROUP)					
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
GBU-10/12 COMPUTER CONTROL GROUP									
FY2008(1)	253	\$8,705	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Nov-07	Nov-08	Yes	
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has an FY03 base with six option years.</p>									
			P-1 ITEM NO 4			PAGE NO: 21	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: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$2,073	\$0	\$2,560									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$2,073</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$2,560</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$2.560M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM stockpile shortages directly impact readiness posture. 2. In FY06, MK-84 2000 LB GP Bomb received \$2.073M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 3. The MK-84 is a 2,000-pound class general purpose bomb. The bomb produces blast and fragmentation effects and can be used as either an unguided high or low drag weapon. When used with a guidance kit, it can be employed as a precision guided bomb. The warhead is used on the Paveway II, Paveway III, GBU-15, and Joint Direct Attack Munition weapon systems. The MK-84 can also be fuzed with proximity, instantaneous, or delayed fuzes to provide a variety of military effects. 4. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									FY 2006 GWOT \$2,073	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$2,560
FY 2006 GWOT \$2,073	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$2,560									
	P-1 ITEM NO 4		PAGE NO: 22		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: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
MK-84 2000 LB GP BOMB	A	341	\$6,078	\$2,073				445	\$5,753	\$2,560			
TOTALS:				\$2,073						\$2,560			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 4		PAGE NO: 23	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MK-84 2000 LB GP BOMB - F275)						
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	
MK-84 2000 LB GP BOMB										
FY2006(1)	341	\$6,078	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/ MCALESTER, OK	Aug-06	Jun-07			
FY2008(1)	445	\$5,753	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ARMY/OSC, MCALESTER ARMY AMMUNITION PLANT/ MCALESTER, OK	Nov-07	Jul-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>General Dynamics Ordnance and Tactical Systems, Garland, TX, produces the bomb bodies. McAlester Army Ammunition Plant Loads, Assembles, and Packs (LAP) the bombs.</p> <p>(1) Contract will have an FY06 base year with four option years.</p>										
			P-1 ITEM NO 4				PAGE NO: 24			
							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: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$1,473									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$1,473</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$1.473M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM stockpile shortages directly impact readiness posture. 2. The MXU-650 Fin Assembly consists of a tail fin and forward canards used on the GBU-12 (MK-82 Warhead, 500lb class) PAVEWAY II Laser Guided Bomb (LGB). The PAVEWAY II system has folding wings which open upon release for increased maneuverability. These weapons are primarily used for precision bombing against non-hardened targets. 3. This item is procured through the Ogden Air Logistics Center. 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,473
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,473									
	P-1 ITEM NO 4		PAGE NO: 25		Page 1 of 1							

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)								
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
MXU-650 GBU-12	A							364	\$4,046	\$1,473			
TOTALS:								364		\$1,473			
<p>Remarks: Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 4					PAGE NO: 26					Page 1 of 1			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: GENERAL PURPOSE BOMBS (MXU-650 FIN ASSEMBLY)						
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	
MXU-650 GBU-12										
FY2008(1-2)	364	\$4,046	AFMC/OO-ALC	OPT/FFP	UNKNOWN	Nov-07	Nov-08	Yes		
Remarks: Cost information is in actual dollars. (1) Contract with has an FY03 base with six option years. (2) Contract will be with either Raytheon and Lockheed Martin.										
			P-1 ITEM NO 4				PAGE NO: 27	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
--	--

	PRIOR YEARS	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
Quantity		205		582						787
Gross Cost (\$M)	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
Initial Spares (\$M)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Total (\$M)	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
Flyaway Unit Cost (\$M)	\$0	\$0.021	\$0	\$0.022	\$0	\$0	\$0	\$0	\$0	\$0.022
Wpn Sys Proc Unit Cost (\$M)	\$0	\$0.021	\$0	\$0.022	\$0	\$0	\$0	\$0	\$0	\$0.022

Description:
(Dollars in Thousands)

FY 2006 GWOT \$4,260	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$13,094
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. The FY08 GWOT Supplemental provides \$13.1 for the Joint Direct Attack Munition (JDAM). Funds are required to replace WRM munitions expended in support of the Global War on Terrorism during Operation Iraqi Freedom (OIF) and Operation Enduring Force (OEF).

2. The JDAM program is a joint Air Force/Navy program with the Air Force as the lead service. Designated ACAT 1C, this program upgrades the existing inventory of general purpose bombs (MK-84, BLU-109/B, MK-82 and MK-83) by integrating the bombs with a field installed guidance kit using a global positioning system aided inertial navigation system (GPS/INS). JDAM provides an accurate, adverse weather capability. JDAM is integrated with the B-

	P-1 ITEM NO 6		PAGE NO: 28		Page 1 of 2
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40M)			DATE: FEBRUARY 2007		
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION			
<p>52H, B-2A, B-1B, F-16C/D, F-117, F/A-18A+/C/D/E/F, F-15E, AV-8B and F-22A aircraft. Follow-on integrations with the A/OA-10, MQ-9 and F-35 are in progress.</p> <p>3. The FY08 GWOT funding of \$13.1M will be executed over the life of the 3011 appropriation.</p>					
	P-1 ITEM NO 6		PAGE NO: 29		Page 2 of 2

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
JOINT DIRECT ATTACK MUNITION		205		{ \$4,254 }				582		{ \$13,094 }			
AIRFRAME	A	205	\$20,553	\$4,213				582	\$22,262	\$12,956			
CONTRACTOR INCENTIVE				\$41						\$138			
TOTALS:				\$4,254						\$13,094			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 6		PAGE NO: 30	Page 1 of 1
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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: JOINT DIRECT ATTACK MUNITION						
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	
JOINT DIRECT ATTACK MUNITION										
AIRFRAME										
FY2006	205	\$20,553	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jun-06	Jan-08			
FY2008	582	\$22,262	AFMC/AAC	SS/FFP	BOEING/ ST CHARLES, MO	Jan-08	Mar-09	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 6				PAGE NO: 31	Page 1 of 1		

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AF FORM 1537(THEN YEAR DOLLARS)				
WEAPON SYSTEM BUDGET ESTIMATE (DOLLARS IN MILLIONS)	WEAPON SYSTEM: JDAM	CONTRACTOR: BOEING	AS OF DATE: FEBRUARY 2007	APPN: 3011
CATEGORY TY\$ FY08PBR	EQUIP: MUNITIONS	REPORT CONTROL SYMBOL:	PREPARED BY: ACC/YU	
PE: 27583F BPAC: 355990				

DESCRIPTION	PRIOR YEARS	2006	2007	2008	2009	2010	2011	2012	2013	TOTAL
QUANTITY OF AURs		205		582						787
RECURRING HARDWARE	\$0	\$4.213	\$0	\$12.956	\$0	\$0	\$0	\$0	\$0	\$17.169
ECO	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
CONTRACTOR INCENTIVE	\$0	\$0.047	\$0	\$0.138	\$0	\$0	\$0	\$0	\$0	\$0.185
FLYAWAY COST	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
TEST EQUIPMENT (CMBRE)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
AIRBORNE TEST EQUIPMENT	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DATA	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROGRAM MGMT./ADMIN REQ	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SYSTEM TEST & EVALUATION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
TRAINING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROD. SUSTAINING ENGINEERING	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
SEEK EAGLE	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
ALT. DISPUTE RESOLUTION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
DELIVERY ACCELERATION	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
WEAPON SYSTEM COST	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
INITIAL SPARES	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
PROCUREMENT COST	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
TOTAL PROGRAM (TY\$)	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
APPROVED PROGRAM (TY\$)	\$0	\$4.260	\$0	\$13.094	\$0	\$0	\$0	\$0	\$0	\$17.354
DELTA (TY\$)	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0

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	P-1 ITEM NO 6		PAGE NO: 32	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: ITEMS LESS THAN \$5 MILLION								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$1	\$0	\$12,100									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$1</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$12,100</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$12.1M to replenish Air Force ground forces ammunition inventories used in the GWOT. 2. All items have an annual procurement value of less than \$5M and are code A. 									FY 2006 GWOT \$1	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$12,100
FY 2006 GWOT \$1	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$12,100									
	P-1 ITEM NO 12		PAGE NO: 33		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:

ITEMS LESS THAN \$5 MILLION

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
40MM CROWD CONTROL (BA13)	A					63,051	\$1,000		
GRENADE HAND, FRAG DELAY (G881)	A	32	\$1			31,504	\$1,200		
GRENADE HAND, RED SMOKE (G950)	A					46,941	\$3,100		
GRENADE HAND, VIOLET SMOKE (G955)	A					26,311	\$1,500		
GRENADE HAND, MK84 STUN (GG09)	A					16,938	\$1,600		
SIMULATOR, AIR BURST (L366)	A					16,360	\$800		
SIMULATOR, GROUND BURST (L594)	A					56,593	\$1,000		
SPONGE GRENADE (BA06)	A					54,257	\$1,300		
GRENADE HAND, PRACTICE (L601)	A					44,910	\$600		
TOTALS:		32	\$1			356,865	\$12,100		

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
12

PAGE NO:
34

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2007					
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (OVERVIEW)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$8,478	\$0	\$6,495									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$8,478</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$6,495</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$6.549M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. Flares are dispensed from a variety of aircraft to either protect the aircraft by decoying enemy heat-seeking missiles or as an illumination source for reconnaissance, target marking, emergency night landings, or search and rescue. 									FY 2006 GWOT \$8,478	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$6,495
FY 2006 GWOT \$8,478	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$6,495									
	P-1 ITEM NO 13		PAGE NO: 35		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: FLARES (OVERVIEW)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M206 FLARE (L410)	A					64,097	\$1,461		
M-211 (LA14)	A	31,076	\$2,500			11,733	\$964		
M-212 (LA15)	A					2,350	\$300		
MJU-7B IR FLARE (L463)	A					12,482	\$467		
MJU-10/B FLARE (L461)	A					3,900	\$160		
MJU-50/B FLARE (LA19)	A	31,725	\$2,000			23,856	\$1,536		
MJU-47/B (LA30)	A	4,125	\$1,560						
MJU-48/B (LA31)	A	2,686	\$1,118						
ITEMS LESS THAN \$5 MILLION	A		\$1,300				\$1,607		
TOTALS:			\$8,478				\$6,495		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 36	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: FLARES (M206 FLARE - L410)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$1,461									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$1,461</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$1.461M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. The M206 is an infrared countermeasures flare used by A-10, F-16, C-17, and AC-130 aircraft against heat seeking missiles. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,461
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,461									
	P-1 ITEM NO 13		PAGE NO: 37		Page 1 of 1							

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)								
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
M206 FLARE	A							64,097	\$23	\$1,461			
TOTALS:										\$1,461			
<p>Remarks: Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 13				PAGE NO: 38				Page 1 of 1					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (M206 FLARE - L410)						
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	
M206 FLARE										
FY2008(1)	64,097	\$22.80	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/UNKNOWN	Apr-08	Apr-09	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract has FY04 base year with five option years. The procurement is split between two contractors.</p>										
P-1 ITEM NO 13			PAGE NO: 39			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: FLARES (M211 ACFT FLARE - LA14)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$2,500	\$0	\$964									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$2,500</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">Y 2008 GWOT \$964</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$0.964M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. In FY06, M211 Aircraft Flares received \$2.5M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 3. The M211 is a hermetically sealed aluminum case purged with nitrogen containing a payload of stacked special material elements which react to air. When deployed into the air stream, the special material reacts to emit an infrared signal to decoy infrared seeking missiles. This flare is required to provide the C-130 and A-10 aircraft and HH-53 and HH-60 helicopters protection against advanced air-to-air and surface-to-air infrared weapon systems. 4. This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ. 									FY 2006 GWOT \$2,500	FY 2007 Title IX --	FY 2007 GWOT --	Y 2008 GWOT \$964
FY 2006 GWOT \$2,500	FY 2007 Title IX --	FY 2007 GWOT --	Y 2008 GWOT \$964									
	P-1 ITEM NO 13		PAGE NO: 40		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: FLARES (M211 ACFT FLARE - LA14)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M211 FLARE	A	31,076	\$2,500			11,733	\$964		
TOTALS:			\$2,500				\$964		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 41	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M211 ACFT FLARE - LA14)
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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
M211 FLARE									
FY2006(1)	31,076	\$80	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Sep-06	Jan-08		
FY2008(2)	11,733	\$82	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ALLOY SURFACES/ CHESTER TOWNSHIP, PA	Dec-07	Oct-08	Yes	

Remarks:
 Cost information is in actual dollars.

(1) Contract has an FY04 base year with two option years.
 (2) Contract will have an FY07 base year with three option years.

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UNCLASSIFIED

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$0	\$0	\$300					

Description:
(Dollars in Thousands)

FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$300
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. FY08 GWOT Supplemental provides \$0.300M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture.

2. The M212 Multi-color Infrared Countermeasure Flare consists of an 8" x 1" x 1" aluminum case that possesses a receptacle for installation of an impulse cartridge. The M212 is then loaded into a MJU-11 multiple countermeasure magazine and installed into an AN-ALE-40 series countermeasure dispenser. The M212 countermeasure flare is deployed into the aircraft air stream and ignited by the hot gases and flame produced by the BBU-35 impulse cartridge. This flare is primarily used on C-130 aircraft. The M212 flare is designed to provide multi-spectrum infrared output and is used with M211 decoys and M206 flares as a cocktail mix to decoy advanced missile threats against the aircraft.

3. This item is procured through the Armament Research Development and Engineering Center (ARDEC) at Picatinny Arsenal, NJ.

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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: FLARES (M212 INFRA RED CM FLARE - LA15)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M212 (LA15)	A					2,350	\$300		
TOTALS:						2,350	\$300		

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (M212 INFRA RED CM FLARE - LA15)
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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
M212 (LA15)									
FY2008(1)	2,350	\$128	AFMC/OO-ALC	MIPR/SS/FFP W/OPT	ARMY/ATK-THIOKOL PROPULSIONCO/ BRIGHAM CITY, UT	Dec-07	May-09	Yes	

Remarks:
 Cost information is in actual dollars.

(1) Contract will have an FY07 base year with three option years.

	P-1 ITEM NO 13		PAGE NO: 45	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: FLARES (MJU-7A/B IR FLARE - L463)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$467									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$466</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$0.467M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. The MJU-7A/B is an infrared countermeasures flare used by F-15 and F-16 aircraft against heat seeking missiles. It is dispensed from ALE-40 countermeasure dispensers. The MJU-7A/B flare is a pyrotechnic candle that creates an infrared signature, acting as a decoy against heat seeking missiles. The flare candle is ejected from the dispenser by a small explosive cartridge (BBU-36/B Impulse Cartridge) contained in the flare case. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$466
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$466									
	P-1 ITEM NO 13		PAGE NO: 46	Page 1 of 1								

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)								
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
MJU-7A/BIR FLARE	A							12,482	\$37	\$466,827			
TOTALS:										\$466,827			
<p>Remarks: Total Cost information is in actual dollars.</p>													
P-1 ITEM NO 13				PAGE NO: 47				Page 1 of 1					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-7A/B IR FLARE - L463)						
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	
MJU-7A/B IR FLARE										
FY2008(1)	12,482	\$37	AFMC/OO-ALC	MIPR/OPT/FP	ARMY/UNKNOWN	Dec-07	Dec-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Contract is a split award with an FY04 base year and five option years. Actual split for FY07 is unknown at this time.</p>										
P-1 ITEM NO 13			PAGE NO: 48			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: FLARES (MJU-10/B IR CM FLARE - L461)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$0	\$0	\$160									
<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 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$160</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$0.160M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. The MJU-10/B is an infrared countermeasure flare used by A-10, F-15 and F-16 aircraft against heat seeking missiles. It is dispensed from the AN/ALE-45. This flare is approximately twice the size of the MJU-7/B Flare, which is used on F-15 and F-16 aircraft. 3. This item is procured through the Single Manager for Conventional Ammunition (SMCA). 									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$160
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$160									
	P-1 ITEM NO 13		PAGE NO: 49		Page 1 of 1							

UNCLASSIFIED

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-10/B IR CM FLARE - L461)
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WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
MJU-10/B	A							3,900	\$41	\$160			
TOTALS:								3,900		\$160			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 50	Page 1 of 1
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UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-10/B IR CM FLARE - L461)						
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	
MJU-10/B										
FY2008(1)	3,900	\$41	AFMC/OO-ALC	MIPR/OPT/FFP	ARMY/UNKNOWN	Dec-07	Dec-08	Yes		
Remarks: Cost information is in actual dollars. (1) Contract has an FY06 base year with two option years.										
	P-1 ITEM NO 13			PAGE NO: 51			Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (MJU-50 - LA19)
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$2,000	\$0	\$1,536					

Description:
(Dollars in Thousands)

FY 2006 GWOT \$2,000	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,536
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. FY08 GWOT Supplemental provides \$1.536M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture.
2. In FY06, MJU-50 Aircraft Flares received \$2.0M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006.
3. The MJU-50/B is a pyrophoric decoy developed as an advanced infrared countermeasure to defeat advanced-technology missile threats. The MJU-50 is termed a "covert" decoy because of the low-level of visible light it emits during ignition and burn. This flare's light intensity minimizes aircraft exposure to enemy ground monitoring and attack, and does not blind a pilot wearing night vision goggles. The MJU-50 flare was developed for the C-130 and is used on A-10 aircraft and HH-53 and HH-60 helicopters.
4. This item is currently procured through the Ogden Air Logistics Center.

	P-1 ITEM NO 13		PAGE NO: 52	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: FLARES (MJU-50 - LA19)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-50/B DECOY	A	31,726	\$2,000			23,856	\$1,536		
TOTALS:			\$2,000				\$1,536		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 53	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT				P-1 NOMENCLATURE: FLARES (MJU-50 - LA19)						
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	
MJU-50/B DECOY										
FY2006	31,726	\$63	AFMC/OO-ALC	SS/FFP	ALLOY SURFACES/ ASTON, PA	Jan-07	Feb-08			
FY2008(1)	23,856	\$64	AFMC/OO-ALC	SS/FFP W/OPT	ALLOY SURFACES/ ASTON, PA	Dec-07	Dec-08	Yes		
Remarks: Cost information is in actual dollars. (1) Contract will have an FY07 base year with three option years.										
	P-1 ITEM NO 13			PAGE NO: 54			Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FLARES (ITEMS LESS THAN \$5 MILLION)
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$1,300	\$0	\$1,607					

Description:
(Dollars in Thousands)

FY 2006 GWOT \$1,300	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$1,607
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. FY08 GWOT Supplemental provides \$1.607M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & AF inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture.
2. In FY06, Flares Items Less Than \$5 Million received \$1.3M additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006.
3. All listed items on the following P-40A have an FY08 procurement value of less than \$5,000,000 and are Code A.

	P-1 ITEM NO 13		PAGE NO: 55	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: FLARES (ITEMS LESS THAN \$5 MILLION)
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PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MJU-23 A/B FLARE (L462)	A					1,047	\$941		
ALA-17C CARTRIDGE FLARE (LY12)	A					1,256	\$666		
MJU-52 (DWCO)	A	56,649	\$1,300						
TOTALS:		56,649	\$1,300			2,303	\$1,607		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 13		PAGE NO: 56		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: FUZES (FMU-152/B JOINT PROGRAMMABLE FUZE)								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)	\$523	\$0	\$475									
<p>Description: (Dollars in Thousands)</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 25%;">FY 2006 GWOT \$523</td> <td style="width: 25%;">FY 2007 Title IX --</td> <td style="width: 25%;">FY 2007 GWOT --</td> <td style="width: 25%;">FY 2008 GWOT \$475</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. FY08 GWOT Supplemental provides \$0.475M to replenish War Reserve Materiel (WRM) expended in support of GWOT in Operation Iraqi Freedom and Operation Enduring Freedom. WRM ammunition impacts current GWOT & Air Force inventory objective in near/out years. WRM stockpile shortages directly impact readiness posture. 2. In FY06, the FMU-152/B Joint Programmable Fuze (JPF) received \$0.523M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for 2006. 3. The JPF is a Joint AF/Navy multi-function unitary fuze developed and procured for the Joint Direct Attack Munition and other conventional inventory weapons. The Air Force is the lead service for procurement of the JPF. The FMU-152/B provides a highly reliable bomb fuze with multiple arm times, instantaneous and multiple short and long delay detonation times, hard target survivability, cockpit programmability, and increased service/shelf life. The JPF is compatible with MK-80 series guided and unguided bombs. It will replace or supplement FMU-139, FMU-143, FMU-124, and M904/M905 fuzes, and provide the next generation of fuzing capability for hard target, general purpose, and guided bombs. 									FY 2006 GWOT \$523	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$475
FY 2006 GWOT \$523	FY 2007 Title IX --	FY 2007 GWOT --	FY 2008 GWOT \$475									
	P-1 ITEM NO 14		PAGE NO: 57		Page 1 of 2							

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2007	
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT		P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMABLE FUZE)		
Description (continued): 4. This item is procured through the Air Armament Center, Eglin AFB, Florida.				
	P-1 ITEM NO 14		PAGE NO: 58	Page 2 of 2

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2007			
APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT					P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMABLE FUZE)								
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
FMU-152A/BFUZE	A	222	\$2,356	\$523				247	\$1,925	\$475			
TOTALS:				\$523						\$475			
<p>Remarks: Total Cost information is in thousands of dollars.</p>													
P-1 ITEM NO 14				PAGE NO: 59				Page 1 of 1					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: FUZES (FMU-152/B JOINT PROGRAMABLE FUZE)
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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
FMU-152A/B FUZE									
FY2006(1)	222	\$2,356	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ ORLANDO, FL	Oct-06	Oct-07		
FY2008(1)	247	\$1,925	AFMC/AAC	OPT/FFP	KAMAN/DAYRON/ ORLANDO, FL	Dec-07	Nov-09	Yes	

Remarks:
 Cost information is in actual dollars.

 Contract has an FY98 base year with 9 option years.

 (1) Contract has an FY98 base year with 9 option years.

	P-1 ITEM NO 14		PAGE NO: 60	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: SMALL ARMS								
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013				
QUANTITY												
COST (in Thousands)		\$3,000	\$34,200									
<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 GWOT \$3,000</td> <td style="width: 25%;">FY 2008 GWOT \$34,200</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>1. FY08 GWOT Supplemental provides \$26,400 to replace 16,469 of 270,000 total combat rifles (M16A2 and M4), \$2,500 to replace 227 M240 Machine Guns, \$1,400 to replace 258 M249 Machine Guns, and \$100 to replace 14 M24s that have been lost, damaged or worn out as a direct result of Operation Iraqi Freedom/Operation Enduring Freedom. Additionally, \$3,800 is provided for Air Force Handgun testing.</p>									FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT \$3,000	FY 2008 GWOT \$34,200
FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT \$3,000	FY 2008 GWOT \$34,200									
	P-1 ITEM NO 15		PAGE NO: 61		Page 1 of 1							

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2007
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APPROP CODE/BA: PAAF/MUNITIONS & RELATED EQUIPMENT	P-1 NOMENCLATURE: SMALL ARMS
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PROCUREMENT ITEMS	NSN	FY2008		FY2009	
		QTY.	COST	QTY.	COST
M-24 SNIPER RIFLE		14	\$111		
M-4 CARBINE		16,469	\$26,400		
M249 MACHINE GUN		258	\$1,400		
M240B MACHINE GUN		227	\$2,489		
AIR FORCE HANDGUN			\$3,800		
TOTALS:			\$34,200		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 15		PAGE NO: 62	Page 1 of 1
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DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

**FY 2008 GLOBAL WAR ON TERROR
BUDGET AMENDMENT**

OTHER PROCUREMENT

SEPTEMBER 2007

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2008

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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
USAFA - 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 2008 Global War on Terror Budget Amendment - Procurement P-1 Exhibit

Appn	BA	P-1 Line	Line Item Name	Original FY08 GWOT (\$000)	FY08 GWOT Budget Amendment (MRAP) (\$000)	FY08 GWOT Cost Adjustment (\$000)	Total FY08 GWOT (\$000)
OPAF	02	2	Passenger Carrying Vehicles	\$ 23,396	\$ -	\$ -	\$ 23,396
OPAF	02	3	Medium Tactical Vehicle	\$ 7,624	\$ 568,000	\$ -	\$ 575,624
OPAF	02	7	Security and Tactical Vehicles	\$ 155,315	\$ -	\$ -	\$ 155,315
OPAF	02	8	Fire Fighting/Crash Rescue Vehicles	\$ 15,200	\$ -	\$ -	\$ 15,200
OPAF	02	9	Halvorsen Loader	\$ 27,000	\$ -	\$ -	\$ 27,000
OPAF	02	10	Runway Snow Removal and Cleaning Equipment	\$ 6,987	\$ -	\$ -	\$ 6,987
OPAF	02	11	Items Less Than \$5 Million (Vehicles)	\$ 1,625	\$ -	\$ 12,500	\$ 14,125
OPAF	03	18	National Airspace System	\$ 4,200	\$ -	\$ -	\$ 4,200
OPAF	03	21	Strategic Command and Control	\$ 4,200	\$ -	\$ -	\$ 4,200
OPAF	03	24	General Information Technology	\$ 15,776	\$ -	\$ 1,500	\$ 17,276
OPAF	02	26	Mobility Command and Control	\$ -	\$ -	\$ 24,000	\$ 24,000
OPAF	03	27	Air Force Physical Security System	\$ 109,000	\$ -	\$ -	\$ 109,000
OPAF	03	28	Combat Training Ranges	\$ 10,000	\$ -	\$ -	\$ 10,000
OPAF	03	31	Global Combat Support System - AF Family of Systems	\$ 15,024	\$ -	\$ -	\$ 15,024
OPAF	03	34	Base Info Infrastructure	\$ 231,000	\$ -	\$ -	\$ 231,000
OPAF	03	NA	Defense Messaging	\$ -	\$ -	\$ 400	\$ 400
OPAF	03	40	Spacelift Range System Space	\$ 20,000	\$ -	\$ -	\$ 20,000
OPAF	03	44	Tactical C-E Equipment	\$ -	\$ -	\$ 11,100	\$ 11,100
OPAF	04	52	Night Vision Goggles	\$ -	\$ -	\$ 2,500	\$ 2,500
OPAF	04	57	Contingency Operations	\$ -	\$ -	\$ 9,200	\$ 9,200
OPAF	04	60	Items Less Than \$5 Million (Base Support)	\$ 156,000	\$ -	\$ 21,200	\$ 177,200
OPAF	04	63	Distributed Ground Systems	\$ 12,500	\$ -	\$ 15,000	\$ 27,500
OPAF	04	xx	Classified Programs	\$ 2,945,359	\$ -	\$ 196,100	\$ 3,141,459
Total OPAF				\$ 3,760,206	\$ 568,000	\$ 293,500	\$ 4,621,706

DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2008

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VEHICULAR EQUIPMENT

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7	Security and Tactical Vehicles.....	9
8	Fire Fighting/Crash Rescue Vehicles.....	13
9	Halvorsen Loader.....	18
10	Runway Snow Removal and Cleaning Equipment.....	21
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 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	\$23,396																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>\$120</td> <td>--</td> <td>\$360</td> <td>\$23,396</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. The Passenger Carrying Vehicles includes Law Enforcement Sedans, Ambulances and Buses. These vehicles are general in nature, but they fulfill unique and distinct needs commensurate with their design. 2. Law Enforcement Sedans (LE Sedans) come equipped with a heavy-duty component package for law enforcement and security missions. Security forces personnel use this type of vehicle for emergency response, traffic control, patrol duties, and base security operations. 3. The bus ambulance is a 44 passenger bus converted to accommodate massive patient transport for medical emergency situations and humanitarian/disaster relief operations. The modular models are standard commercial ambulances that are available in 4x2 and 4x4 configurations. They are used for the movement of patients under field conditions, aircraft crash rescue operations, and routine transportation of patients to and from medical facilities. Buses also include a variety of commercial vehicles that support a broad range of mass transit requirements. 4. Multi stop vehicles are primarily used to transport personnel and light cargo. They are used in the maintenance and flying operation areas to support aircraft sortie generation. 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	\$120	--	\$360	\$23,396
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
\$120	--	\$360	\$23,396																	
	P-1 ITEM NO 2		PAGE NO: 1		Page 1 of 2															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES			
Description (continued): 5. 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.					
	P-1 ITEM NO 2		PAGE NO: 2		Page 2 of 2

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 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			138	\$14,165		
MULTI STOP VAN	A					248	\$8,400		
LAW ENFORCEMENT SEDAN	A					42	\$830		
TOTALS:		1	\$120	3	\$360	428	\$23,396		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 2		PAGE NO: 3	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
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/ BLUE BIRD/ FT VALLEY, GA	Jun-07	Aug-07	Yes		
BUS, 44 PAX MED US										
FY2008	138	\$102,647	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Nov-07	Aug-08	Yes		
FY2006	1	\$120,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Mar-06	Jun-06			
MULTI STOP VAN										
FY2008	248	\$33,872	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Nov-07	Jun-08	Yes		
LAW ENFORCEMENT SEDAN										
FY2008	42	\$19,773	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Nov-07	Aug-08	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO			PAGE NO:			Page 1 of 1				
2			4							

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: MEDIUM TACTICAL VEHICLES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)		\$185,140	\$575,624																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$185,140</td> <td style="text-align: center;">\$575,624</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. The M1078A1 and M1083A1 915A2 Cargo Trucks are Medium Tactical Vehicles (MTVs) operate in austere, adverse terrain. These important tactical assets are used by Combat Communications Flights, Air Support Operations Squadrons (ASOS), Explosive Ordinance Disposal (EOD) units, and other tactical direct mission support units throughout the Air Force. The Air Force use these trucks in joint operations with the Army. They are crucial in order to maintain commonality, compatibility of parts, and reciprocal maintenance support. These tactical vehicles are key to the Air Force's war fighting capability. Shortfalls of these vehicle types will impede execution of operations plans and result in less effective mission support and sustainment. These vehicles are critical in mission support and sustainment efforts and are a key part of contingency operations. 2. Mine Resistant, Ambush Protected (MRAP) vehicles provide increased armor protection from IED detonation for Air Force troops operating "outside the wire" in the Iraq and Afghanistan theater of operations. With the rise of asymmetric warfare, low-intensity conflicts, and the Global War on Terror, MRAP vehicles have proven invaluable in the safe transport of personnel and cargo in its tactical application. This vehicle satisfies the Air Force Explosive Ordinance Disposal (EOD), Civil Engineering (CE) and Security Forces (SF) requirements during essential ongoing force protection/anti-terrorism efforts. EOD will employ these vehicles as an unexploded ordinance teamwork platform; CE will use MRAP to support damage assessment and as an armored personnel carrier; SF require the vehicle for force protection and air base defense operations extending five miles outside the base parameter; and Special 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	\$185,140	\$575,624
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	\$185,140	\$575,624																	
P-1 ITEM NO 3		PAGE NO: 5		Page 1 of 2																

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: MEDIUM TACTICAL VEHICLES		
Description (continued): operations battle Field Airman serving as combat controllers in the CENTAF AOR. MRAP vehicle funding (P-1 lines 3 & 7) is required to procure the balance of the requirement from FY07 for an estimated 527 vehicles. Total program requirement is for 697 vehicles.				
	P-1 ITEM NO 3		PAGE NO: 6	Page 2 of 2

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

DATE: SEPTEMBER 2007

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				
TRK, CGO, MTV, M1078A1 2.5 T	A					41	\$5,534		
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T	A					12	\$2,090		
MINE RESISTANT, AMBUSH PROTECTED (MRAP)	A			170	\$170,040	430	\$568,000		
TOTALS:				191	\$185,140	483	\$575,624		

Remarks:

Cost information is in thousands of dollars.

P-1 ITEM NO
3

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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		
TRK, CGO, MTV, M1078A1 2.5 T										
FY2008	41	\$134,983	AFMC/WR-ALC	MIPR/FFP	ARMY/UNKNOWN	Nov-07	Sep-08	Yes		
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T										
FY2008	12	\$174,135	AFMC/WR-ALC	MIPR/FFP	ARMY/UNKNOWN	Nov-07	Sep-08	Yes		
MINE RESISTANT, AMBUSH PROTECTED (MRAP)										
FY2007(1)	170	\$1,000,235	AFMC/WR-ALC	MIPR/FFP	MARINES/MULTIPLE	May-07	Oct-07	Yes		
FY2008(1)	430	\$1,320,930	AFMC/WR-ALC	MIPR/FFP	MARINES/MULTIPLE	May-08	Oct-08	Yes		
Remarks: Cost information is in actual dollars. (1) Multiple contractors competeing for initial and follow on deliveriy contracts										
	P-1 ITEM NO 3			PAGE NO: 8				Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: SECURITY AND TACTICAL VEHICLES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$19,331		\$155,315																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td style="text-align: right;">\$19,331</td> <td style="text-align: right;">\$5,650</td> <td style="text-align: center;">--</td> <td style="text-align: right;">\$155,315</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>Procures armored vehicles to support Air Force Security Forces (SF) and Explosive Ordinance Disposal (EOD). These vehicles are required for safety in attacking improvised explosive devices in Iraq and Afghanistan. Security Forces members are the designated and authorized personnel within the Air Force who are trained/equipped to analyze and defeat criminal/terrorist improvised explosive device threats. There is a current shortfall of armored vehicles which leave Air Force Security Forces (SF) and Explosive Ordinance Disposal (EOD) personnel at an increased risk of serious injury or death.</p> <p>Mine Resistant, Ambush Protected (MRAP) vehicles provide increased armor protection from IED detonation for Air Force troops operating “outside the wire” in the Iraq and Afghanistan theater of operations. With the rise of asymmetric warfare, low-intensity conflicts, and the Global War on Terror, MRAP vehicles have proven invaluable in the safe transport of personnel and cargo in its tactical application. This vehicle satisfies the Air Force Explosive Ordinance Disposal (EOD), Civil Engineering (CE) and Security Forces (SF) requirements during essential ongoing force protection/anti-terrorism efforts. EOD will employ these vehicles as an unexploded ordinance teamwork platform; CE will use MRAP to support damage assessment and as an armored personnel carrier; SF require the vehicle for force protection and air base defense operations extending five miles outside the base parameter; and Special operations battle Field Airman serving as combat controllers in the CENTAF AOR.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	\$19,331	\$5,650	--	\$155,315
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
\$19,331	\$5,650	--	\$155,315																	
	P-1 ITEM NO 7		PAGE NO: 9		Page 1 of 2															

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: SECURITY AND TACTICAL VEHICLES		
Description (continued): MRAP vehicle funding (P-1 lines 3 & 7) is required to procure the balance of the requirement from FY07 for an estimated 527 vehicles. Total program requirement is for 697 vehicles. In FY06, Up-Armored HMMWV received \$19.331M in additional funding under P.L. 109-234, the Emergency Supplemental Appropriations Act for Defense, Global War on Terror, and Hurricane Recovery, 2006. In FY07 Appropriation transferred \$5.650M of the Air Force FY07 Budget Request from Title III to Title IX without increasing the amount.				
	P-1 ITEM NO 7		PAGE NO: 10	Page 2 of 2

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

DATE: SEPTEMBER 2007

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
SECURITY AND TACTICAL VEHICLES

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HMMWV UP-ARMORED (M1116)	A	100	\$19,331			123	\$27,106		
HIGH MOBILITY TRAILER, LIGHT M1101/M1102	A					8	\$79		
MINE RESISTANT, AMBUSH PROTECTED (MRAP)						97	\$128,130		
TOTALS:		100	\$19,331			228	\$155,316		

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: SECURITY AND 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	
HMMWV UP-ARMORED (M1116)										
FY2006	100	\$193,310	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/AM GENERAL/ SOUTH BEND, IN	Feb-06	Sep-07			
FY2008	123	\$220,378	AFMC/WR-ALC	MIPR/FFP	ARMY/UNKNOWN	Nov-07	Aug-08	Yes		
HIGH MOBILITY TRAILER, LIGHT M1101/M1102										
FY2008	8	\$9,875	AFMC/WR-ALC	MIPR/FFP	ARMY/UNKNOWN	Nov-07	Jan-08	Yes		
MINE RESISTANT, AMBUSH PROTECTED (MRAP)										
FY2008(1)	97	\$1,320,930	AFMC/WR-ALC	MIPR/FFP	MARINES/MULTIPLE	May-08	Oct-08	Yes		
Remarks: Cost information is in actual dollars. (1) Multiple contactors competing for initial and follow on delivery contracts.										
P-1 ITEM NO 7			PAGE NO: 12			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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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	\$15,200					

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	\$23,213	\$15,200

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. Reconstitutes fire-fighting vehicles required to return 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. Vehicles deployed to support OEF and OIF left many CONUS installations far below the "minimum acceptable level" of combined chemical agents by as much as 30%. This reduces on-scene aircraft fire fighting time to achieve fire control, eliminates the capability to provide on-scene re-supply of crash vehicles and jeopardizes sustained fire fighting operations and rescue of aircrew and passengers.

2. Purchases 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 and aircrew and on-site personnel safety will be

	P-1 ITEM NO 8		PAGE NO: 13		Page 1 of 2
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: FIRE FIGHTING/CRASH RESCUE VEHICLES		
Description (continued): at 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 fire fighters to standardize training and response procedures to meet the AF initiative of a WMD HAZMAT/CBRNE				
	P-1 ITEM NO 8		PAGE NO: 14	Page 2 of 2

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

DATE: SEPTEMBER 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	6	\$4,418		
TRUCK, CRASH P-23	A			6	\$3,600	9	\$7,278		
TRUCK, PUMPER 4X4 P-24	A			2	\$833	8	\$3,504		
TRUCK, WATER TANKER P-26	A			10	\$2,763				
VEHICLE, HAZARDOUS MATERIAL P-31	A			11	\$4,235				
TOTALS:				45	\$23,213	23	\$15,200		

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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										
FY2008	6	\$736,398	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Oct-07	Jul-08	Yes		
FY2007	16	\$736,398	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes		
TRUCK, CRASH P-23										
FY2008	9	\$808,623	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Oct-07	Jul-08	Yes		
FY2007	6	\$600,000	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Feb-08	Yes		
TRUCK, PUMPER 4X4 P-24										
FY2008	8	\$438,000	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Oct-07	Jul-08	Yes		
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		
Remarks:										
	P-1 ITEM NO 8			PAGE NO: 16			Page 1 of 2			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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	
Cost information is in actual dollars.										
	P-1 ITEM NO 8			PAGE NO: 17				Page 2 of 2		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 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	\$27,000					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
\$7,000	--	\$620	\$27,000

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

Funds procurement of 39 additional aircraft loaders for the Halvorsen fleet. The Halvorsen Loader Program provides critical support for aerial ports worldwide 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 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: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HALVORSEN LOADER
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
HALVORSEN	A	11	\$636,364	\$7,000				39	\$692,308	\$27,000			
INTERIM CONTRACTOR SUPPORT (ICS)	A				1	\$620,000	\$620						
TOTALS:		11		\$7,000	1		\$620	39		\$27,000			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 9		PAGE NO: 19	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
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	
HALVORSEN										
FY2006	11	\$636,364	AFMC/WR-ALC	SS/FFPW/OPT	FMC/ORLANDO, FL	Feb-06	May-06			
FY2008	39	\$692,308	AFMC/WR-ALC	SS/FFP	FMC/ORLANDO, FL	Oct-07	Sep-08	Yes		
INTERIM CONTRACTOR SUPPORT (ICS)										
FY2007	1	\$620,000	AFMC/WR-ALC	SS/FFPW/OPT	FMC/ORLANDO, FL	Aug-07	Jul-08	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
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	\$6,987																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$400</td> <td style="text-align: center;">\$6,987</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <ol style="list-style-type: none"> 1. Reconstitution of deployed assets. Assets are essential for keeping airfields and streets clear of snow and ice to allow continuation of airfield activity and safe motor vehicle traffic. Lack of these assets result in delayed snow removal operations and increased use of existing, but inadequate assets, causing excess wear and additional maintenance costs of other vehicles. 2. These vehicles are used on airfield surfaces to remove debris and help prevent foreign object damage (FOD) to aircraft engines and tires. These vehicles provide critical mission support to airfield operations and are essential in keeping runways safe and usable. 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	\$400	\$6,987
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	\$400	\$6,987																	
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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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				
SWEEPER	A					62	\$6,987		
TOTALS:				1	\$400	62	\$6,987		

Remarks:
Cost information is in thousands of dollars.

UNCLASSIFIED

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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		
SWEEPER										
FY2008	62	\$112,688	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Oct-07	May-08	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 10				PAGE NO: 23	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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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	\$14,125					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	\$4,440	\$14,125

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

Procures various assets 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.

The counter sniper protection system is a turret that mounts to the top of an up armored HMMWV. This is an integration effort using commercial and government off-the-shelf technology to produce these turrets. The project is focused on operations in support of Iraqi Freedom and Enduring Freedom and has nuclear security applicability. The system consists of a turret manufactured of 3/8" steel and ballistic glass tested to withstand a 7.62mm round. As part of this effort the Air Force Security Forces Center will integrate an internal-to-the-vehicle communications system that will link the turret gunner to the vehicle driver/occupants.

Replacement of Red Horse construction vehicles. Assets directly support CSAF directed Predator bed down and continued operations in support GWOT, OEF and OIF. Request includes \$13,646K for mission critical construction vehicles required in theater for OIF; \$4,625K for to replace construction vehicles left in theater for OIF/OEF; \$1,946K to reconstitute construction Vehicles heavily used in OIF. Assets are also critical to training and preparing RED HORSE war fighters to complete mission requirements in the AOR. They are part of a deployable package that could be tasked to support OIF/OEF.

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

DATE: SEPTEMBER 2007

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				
VEHICLE COUNTER SNIPER PROTECTION KIT	A						\$1,625		
RED HORSE CONSTRUCTION VEHICLES	A						\$12,500		
TOTALS:				12	\$4,440		\$14,125		

Remarks:

Cost information is in thousands of dollars.

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2008

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ELECTRONIC & TELECOMMUNICATIONS EQUIPMENT

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24	General Information Technology.....	7
26	Mobility Command and Control.....	14
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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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	\$4,200					

Description:

(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	\$9,000	\$4,200

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

NATIONAL AIRSPACE SYSTEM TRANSFORMATION: FY08 GWOT funds accelerate procurement of one DoD Advanced Automation System (DAAS). This system will replace the 1980 vintage radar automation system at Nellis AFB, NV. With this new system and the safety, data display and situational awareness enhancements available to it, controllers will have better flexibility in managing unmanned air systems (UASs)(e.g. Predator, Global Hawk) currently supporting GWOT Homeland Security surveillance operations. Further, the new system is now being upgraded by the Federal Aviation Administration to accept input by their new automated dependent surveillance sensor network that will reach full operational capability in 2010. DAAS provides digital radar displays, consoles, automation hardware and software to replace those systems approaching the end of their life cycle. DAAS replaces the current generation air traffic control automation system in DOD RAPCONs and dependent control towers. This system can combine multiple radar/sensor inputs into a single display, which can increase effective range of aircraft surveillance/detection.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: SEPTEMBER 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									
NATIONAL AIRSPACE SYSTEM													
RAPCON UPGRADES	A						\$9,000						
NELLIS AFB DAAS	A									\$4,200			
TOTALS:							\$9,000			\$4,200			

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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		
NELLIS AFB DAAS										
FY2008(1,3)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Oct-07	Oct-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.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$4,200																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: center;">\$4,200</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>B-2 SOFTWARE LAB: FY08 GWOT funding for lab hardware and software upgrades will support the ability to trouble-shoot day-to-day problems with aircraft operations and prevents loss of combat capability. Funding provides periodic refreshing of lab hardware and software infrastructure. Continuous upgrades to lab infrastructure to support B-2 sustainment of current fielded capabilities, development, and fielding of new capabilities is required. Inability to support updates to electronic warfare systems would decrease the ability to adapt to evolving/emerging enemy threat systems and would decrease aircraft survivability. Funding lab hardware and software upgrades enhances the ability to troubleshoot safety related issues and prevent loss of combat capability.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$4,200
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$4,200																	
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STRATEGIC COMMAND AND CONTROL									
B-2 SOFTWARE LAB	A						\$4,200		
TOTALS:							\$4,200		

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL					
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
STRATEGIC COMMAND AND CONTROL									
B-2 SOFTWARE LAB									
FY2008(1)			AFMC/OC-ALC	DO/FP	NORTHROP-GRUMMAN	Oct-07	Apr-08	Yes	
Remarks:									
(1) GWOT funds will be applied to a one-year fixed price contract.									
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY
--	--

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)			\$17,276					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	--	\$17,276

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. USNORTHCOM INTEROPERABLE COMMUNICATIONS: FY08 GWOT funds will procure multiple Interoperable Communications capabilities critical to USNORTHCOM Joint Task Force (JTF) headquarters. These capabilities include:
 - a. BLUE FORCE TRACKING (BFT) devices will provide the capability to track and identify the status of deployed forces. This capability will greatly improve the situational awareness among the Commander, USNORTHCOM, assigned forces, supporting agencies, and civil authorities.
 - b. COMMERCIAL INTERNET AND TELEPHONE EVERYTHING OVER INTERNET PROTOCOL (EOIP) ENCLAVE (CITEE) system for Defense Support of Civil Authorities (DSCA) will provide a Public Switched Telephone Network (PSTN) and commercial internet via EOIP capability to DoD units deployed for DSCA missions. USNORTHCOM components and subordinates are required to stand up Joint Task Force (JTF) Headquarters to provide interoperable communications for DSCA missions. The CITEE includes a new high speed data capability to add to the deployable cell towers used during contingencies or following disasters as part of DSCA support. USNORTHCOM will rely heavily on the EOIP communications packages across all the services, National Guard, and JTFs.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY			
Description (continued): <p>c. DEPLOYABLE COMMUNICATIONS PACKAGE will provide the Commander, USNORTHCOM, with 24/7 access to critical communications with the Operations Center and National Command assets through extension of the USNORTHCOM NIPRNet and SIPRNet while deployed. The solution will provide reachback into the USNORTHCOM networks, regardless of location or lack of local infrastructure. Deployable units will support deployed users on both NIPRNet and SIPRNet. Deployable units will support connectivity through different communications vectors, including Ethernet (wired and wireless), satellite, and cellular.</p> <p>d. EVOLUTION/DATA ONLY (EVDO) capability for base cell stations will provide approximately 2.4 Mbps of data to laptop air cards (wireless), PDAs, and smart phones. EVDO provides this high speed data in a wireless environment via cell towers. Applications that will use this EVDO high speed data include the USNORTHCOM situational awareness full motion video, common operational picture, and collaborative tools.</p> <p>e. JTF KITS will field an interoperable communications capability for critical JTF Headquarters, to include JTF-Alaska (JTF-AK) and JTF-North (JTF-N) and will fill current communications gaps. USNORTHCOM JTF Kits will implement a standards-based communications capability among USNORTHCOM subordinate commands, Service component commands, supporting commands, and State/Territory National Guards. They will enable a cooperative and complementary communications network and will procure the necessary equipment and services to enable information sharing and communications among all responding DoD forces and interoperability to support operations with USNORTHCOM coalition partners. Funds will procure four Level-One Kits that provide quickly established communications as an advanced element at an incident scene and three Level-Two Kits that will equip an Emergency Response Vehicle (ERV) with satellite reach-back and incident scene radio communications capabilities.</p> <p>f. TELEPORT CONTINUTY OF OPERATIONS (COOP) SITE: FY08 GWOT funds will procure a Quad-band terminal+Internet Protocol (IP) modem for a teleport COOP site. A quad-band terminal+IP modem will be used at a teleport COOP site to support C, Ku, Ka, B-band satellite frequencies with an ability to link into either commercial or military satellites. The Internet Protocol (IP) modem translates between IP traffic and satellite radio intermediate frequencies.</p> <p>2. AIR COMBAT COMMAND (ACC) POINT OF MAINTENANCE (POMX): FY08 GWOT funding will procure equipment to implement a secured wireless local area network (LAN) at selected ACC bases. This wireless LAN solution will be used in conjunction with Integrated Maintenance Data System (IMDS) to document aircraft maintenance at the point of origin. The amount and type of wireless local area network equipment will vary based on the base requirement. Items to be purchased include ruggedized wireless client devices (i.e. laptops and handheld devices) along with wireless LAN equipment. This</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY		
Description (continued): technology enhances maintenance data collection capability by electronically capturing maintenance data at the point/time of origin, and transferring the information to a system of record. POMX data transfer will be accomplished via use of portable maintenance aids (PMA's) connected to a secured, wireless network. Failure to fund the requirement will inhibit the Air Force readiness posture, impair data flow to the combatant commander (COCOM), and hamper support to F/A-22 and UAV beddown efforts currently ongoing that will provide support to Operations IRAQI FREEDOM and ENDURING FREEDOM. 3. BASE OPERATIONS-GEOSPATIAL PRODUCT LIBRARY (GPL): GPL provides real-time mission critical digital geospatial data support to mission planning, early warning and command and control (C2), as well as forward deployments in active support of GWOT. High OPTEMPO, as a direct result of GWOT operations, has resulted in increased wear and tear on 26 GPL server sites. Sites are no longer sustainable and must be replaced with technical refurbishment or "tech refresh". Unprecedented use has demonstrated procedural shortfalls requiring correction and documentation. Funding will provide procurement and installation of new equipment to replace no longer sustainable systems.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: SEPTEMBER 2007

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
US NORTHERN COMMAND									
INTEROPERABLE COMMUNICATIONS							{ \$8,776 }		
BLUE FORCE TRACKING	A						\$2,290		
CITEE SYSTEMS	A						\$642		
DEPLOYABLE COMM PACKAGE	A						\$340		
EVDO	A						\$900		
JTF KITS	A						\$3,684		
TELEPORT COOP	A						\$920		
ACC									
POINT OF MAINTENANCE (POMX)	A						\$7,000		
BASE OPERATIONS-GEOSPATIAL	A						\$1,500		
TOTALS:							\$17,276		

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY						
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	
US NORTHERN COMMAND										
INTEROPERABLE COMMUNICATIONS										
BLUE FORCE TRACKING										
FY2008(1,6)			USNORTHCOM	MIPR/C/IDIQ	ARMY/MULTIPLE	Oct-07	Feb-08	Yes		
CITEE SYSTEMS										
FY2008(2,6)			USNORTHCOM	MIPR/OTH	ARMY/ARMY	Oct-07	Jan-08	Yes		
DEPLOYABLE COMM PACKAGE										
FY2008(3,6)			USNORTHCOM	C/FFP	UNKNOWN	Nov-07	Mar-08	Yes		
EVDO										
FY2008(4,6)			USNORTHCOM	MIPR/C/IDIQ	ARMY/RIVADA PACIFIC/ ANCHORAGE, AK	Oct-07	Mar-08	Yes		
JTF KITS										
FY2008(5-6)			USNORTHCOM	MIPR/OPT/OTH	NAVY/MULTIPLE	Oct-07	Feb-08	Yes		
TELEPORT COOP										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY						
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	
FY2008			USNORTHCOM	DO/IDIQ	L-3 COMMUNICATIONS/ ARLINGTON, VA	Oct-07	Jan-08	Yes		
ACC										
POINT OF MAINTENANCE (POMX)										
FY2008(7)			HQ ACC	C/OTH	UNKNOWN	Oct-07	Dec-07	Yes		
BASE OPERATIONS-GEOSPATIAL										
FY2008			HQ ACC	DO/OTH	UNKNOWN	Nov-07	Dec-07	Yes		
Remarks:										
<p>(1) Blue Force Tracking Devices: Unknown contractor; BFT integration: MIPR to US Army PEO C3T, Ft Monmouth, NJ, to procure, install, and integrate the systems. This will be a firm fixed price effort on an IDIQ or full and open competition.</p> <p>(2) CITEE systems: MIPR to PM Defense Communications and Army Transmission Systems (PM DCATS). PM DCATS will procure, install and integrate the system at Camp Roberts, CA and Northwest, VA. This is a sole source contract with Tamsco, Inc.</p> <p>(3) Deployable Comm Kit: The 21st Contracting Squadron will go out on a full and open competition for a firm-fixed price contract. The winning vendor will be responsible for purchasing, installation, integration and training for the deployable suite.</p> <p>(4) EVDO Capability: Exercise of an option to Task Order 100 on an IDIQ contract with Rivada Pacific who currently manages all DoD and FEMA Deployable Cell Stations. Rivada Pacific will procure, install, and integrate the EVDO capability for each base cell station.</p> <p>(5) JTF Kits: JTF-N Level-One Kits with MIPR to US Navy SPAWAR Charleston. SPAWAR will procure, install and integrate the systems. This is an option on a sole source contract with DataLine, Inc. JTF-AK Level-Two Kits with MIPR to US Army PEO-C3T. PEO-C3T will procure, install and integrate the systems. This is an option on a sole source contract with Segovia, Inc.</p> <p>(6) USNORTHCOM contract review board will review the task orders once funding is made available.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGY						
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	
(7) POMX: Contract type will be Cost (Time and Material).										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$24,000																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: center;">\$24,000</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>SILVER BULLET II / STEEL EAGLE: FY08 GWOT funding procures 'roll-on roll-off' command and control capsules providing strategic-level Senior Leaders secure VTC, voice, data & fax capability while airborne on KC-10, C-130 and modified C-17 airframes. This equipment provides the capability for the 20% of senior leaders' airborne communications requirements which currently go unsupported. Heavy deployment of existing trailers/platforms (~ 288 days per year) has accelerated degradation of current DV compartments. Heavy customer demand will continue to outstrip available command, control and communications (C3) resources for Senior Leaders including VPOTUS; SECDEF; CJCS; Commander, USCENTCOM; and Commanders of other Unified Combatant Commands.</p> <ol style="list-style-type: none"> 1. SILVER BULLET II: FY08 GWOT funding procures two (2) 'Silver Bullet II' systems (\$14M). Silver Bullet II capsules provide DV-2 coded Senior Leaders with a work/rest/galley compartment access during military airlift transport. Silver Bullet IIs require a Steel Eagle capsule for full C3 capability. 2. STEEL EAGLE: FY08 GWOT funding procures two (2) 'Steel Eagle' (\$10M) communication packages required to provide C3 capabilities for Silver Bullet capsules. Steel Eagle is a palletized module housing secure voice and data systems, and the operators to maintain airborne communications connectivity. 									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$24,000
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$24,000																	
	P-1 ITEM NO 26		PAGE NO: 14	Page 1 of 1																

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MOBILITY COMMAND AND CONTROL									
STEEL EAGLE	A						\$14,000		
SILVER BULLET	A						\$10,000		
TOTALS:							\$24,000		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 26		PAGE NO: 15	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL						
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	
MOBILITY COMMAND AND CONTROL										
SILVER BULLET										
FY2008(1-2)			AFMC/ESC	OTH/IDIQ	SELECT TECH SERVICES CORP/CENTERVILLE, OH	Jul-05	Sep-09			
STEEL EAGLE										
FY2008(1)			AFMC/ESC	OTH/IDIQ	SELECT TECH SERVICES CORP/CENTERVILLE, OH	Jul-05	Mar-09			
Remarks:										
<p>(1) Contract awarded July 2005 to Select Tech Services Corp, Centeville, Ohio.</p> <p>(2) Procurement using existing R&D contract.</p>										
	P-1 ITEM NO 26			PAGE NO: 16				Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM
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	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)		\$10,680	\$109,000					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	\$10,680	\$109,000

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

1. **COUNTER-ROCKET, ARTILLERY, AND MORTAR (C-RAM) SYSTEM:** FY08 GWOT funding procures one C-RAM system battery. The C-RAM is a currently fielded system-of-systems that integrates multiservice systems and Commercial Off the Shelf (COTS) hardware. C-RAM provides the ability to sense, warn, intercept, and respond to rocket, artillery, and mortar attacks. Each C-RAM's sense, warn, intercept and respond capability is enabled through several integrated system-of systems. The Air Force employment concept is to utilize six Land-based Phalanx Weapon Systems (LPWS)(a trailer-mounted Navy Phalanx gun system) positioned to protect critical facilities and troop areas. The LPWS is a trailer-mounted 20-mm Gatling gun with associated radar targeting/fire control unit and communications, computer, command and control (C4) equipment. Each LPWS defends approximately 1.8 km-diameter area (with improved ammunition). FY08 GWOT Supplemental funds procures all associated LPWS prime mission and associated equipment to include, but not limited to: Light Counter Mortar Radars (LCMR) to provide rocket artillery and mortar detection at a large base, two Sentinel radars (operational/spare) that are needed to track friendly aircraft and send this information to the LPWS, required wireless local area network (LAN) connectivity with a fiber optic LAN for redundancy, and depot spares. Funds also procure initial load of 20-mm frangible ammunition; C-RAM initial training for operators and maintainers, Forward Area Air Defense C2, and Air and Missile Defense Workstation training; a Mission Readiness Exercise to certify the C-RAM Battery as operational; and all production verification testing.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM			
Description (continued):					
2. TACTICAL INTEGRATED BASE DEFENSE SET: FY08 GWOT funding procures crucial equipment to maintain Air Force Security Forces as a combat-ready force, focused on both the defense of DoD installations and property and the evolvment into an offense-oriented force in the Global War on Terror. FY08 GWOT funding procures:					
a. BASE DEFENSE OPERATIONS CENTER-TRANSFORMATION (BDOC-T): BDOC-T equipment provides the Expeditionary Air Base Defense command and control (C2) and situational awareness picture supporting Integrated Base Defense (IBD). BDOC-T provides an integrated view of installation assets (fixed site/expeditionary) through fusing, packaging and transmission of dynamic and static data relevant to the user to include threat detection, assessment, response, emergency management and IBD planning on information systems surround view architecture. Provides IBD C2 and situational capabilities to the warfighter. BDOC-T is applicable at expeditionary installations and is capable of deployable logistics packaging.					
b. COMMON REMOTE OPERATED WEAPONS STATION (CROWS): CROWS is a vehicle-mounted, gunner-operated weapon system that permits the gunner to effectively engage targets from within the protective enclosure of a moving vehicle. CROWS mounts to a number of vehicles to include the up-armored HMMWV and Armored Security Vehicles (ASV). CROWS is comprised of the sensor unit and the control group. The sensor unit includes a daylight video camera, a thermal imager for night operations, an eyesafe laser rangefinder, and is furnished with a fully integrated fire control system that provides ballistic correction. The control group mounts inside the vehicle and is the interface allowing operation from within the vehicle's ballistic protection. Its main components include a display unit, switch panel unit (SPU), and hand controller (joystick). The control group provides full remote control of the weapon system via on-screen menus presented on the display, and by the switches on the SPU and joystick. FY08 funds procure CROWS systems for up to 30 vehicles as well as four training units used to provide pre-deployment training for CROWS operators.					
CROWS provides the capability to remotely identify a target out to the maximum effective range of the mounted weapon system, and engage the target out to 1000 meters. CROWS can mount the MK19 Grenade Machine Gun (GMG); M2 Machine Gun; M240 Machine Gun; or the M249 Squad Automatic Weapon (SAW). The system has the ability to transition from powered automated operation of the mounted weapon system to manual operation within thirty (30) seconds, to include the time for the gunner to leave his/her position and relocate behind the weapon providing flexibility in a tactical environment. CROWS provides visual coverage of the vehicle perimeter, with selectable fields of view (360-degree visual coverage) and a range finding capability, to allow for target scanning and identification during day/night conditions out to 2.2 km.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: SEPTEMBER 2007

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				
C-RAM	A						\$96,000		
TACTICAL INTEGRATED BASE DEFENSE							{\$13,000}		
BDOC-T	A						\$2,750		
CROWS	A						\$10,250		
TOTALS:					\$10,680		\$109,000		

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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		
C-RAM										
FY2008			AFMC/OC-ALC	SS/FFP	RAYTHEON MISSILE SYSTEMS/ TUSCON, AZ	Jan-08	Jan-09	Yes		
TACTICAL INTEGRATED BASE DEFENSE										
BDOC-T										
FY2008(1)			11WING	SS/FFP	SYSTECHNOLOGIES/ SAN DIEGO, CA	Oct-07	Jan-08	Yes		
CROWS										
		P-1 ITEM NO 27				PAGE NO: 20		Page 1 of 2		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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	
FY2008			AFMC/ESC	SS/FFP	RECON/OPTICAL, INC./ BARRINGTON, IL	Oct-07	Mar-08	Yes		
Remarks: (1) PCO will be Air Force Center for Environmenal Excellence, San Antonio, TX.										
		P-1 ITEM NO 27			PAGE NO: 21					Page 2 of 2

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$10,000																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: center;">\$10,000</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>P5 COMBAT TRAINING SYSTEM (P5CTS) INSTALLATION: FY08 funding will acquire the P5CTS and infrastructure support to provide real-time monitoring and evaluation of exercises capabilities for the Western Training Ranges which includes the Nevada Test and Training Range (NTTR) and the Utah Test and Training Range (UTTR). The systems will be capable of supporting a real time, monitored battlespace for large-scale combat training and exercises. FY08 GWOT funding will procure equipment to overcome current limitations with the range communications infrastructure that has previously prevented installation of the P5CTS at these locations.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$10,000
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$10,000																	
P-1 ITEM NO 28			PAGE NO: 22			Page 1 of 1														

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMBAT TRAINING RANGES
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMBAT TRAINING RANGES									
AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES									
P5 COMBAT TRAINING SYSTEM AND LEGACY SYSTEM UPGRADES	A						\$10,000		
TOTALS:							\$10,000		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 28		PAGE NO: 23	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
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	
COMBAT TRAINING RANGES										
AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES										
P5 COMBAT TRAINING SYSTEM AND LEGACY SYSTEM UPGRADES										
FY2008(1)			AFMC/AAC	OPT/FFP	CUBIC DEF SYS/ SAN DIEGO, CA	Oct-07	Oct-08	Yes		
<p>Remarks:</p> <p>Quantity/unit costs vary because of different types/configurations of equipment being procured.</p> <p>(1) The P5CTS basic contract (with 10 year option) was awarded to Cubic Defense Systems, San Diego, CA on 3 Jun 03. DRS Technologies, Buffalo, NY is a subcontractor.</p>										
			P-1 ITEM NO 28			PAGE NO: 24				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$15,024																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: right;">\$15,024</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>GLOBAL COMBAT SUPPORT SYSTEM-AIR FORCE (GCSS-AF): FY08 GWOT funds will procure the communications-electronic equipment needed to deploy a turn-key, secret-level full service version of GCSS-AF. A fully developed, turn-key Secret Internet Protocol Router network (SIPRNET) based deployment will fulfill current and emergent warfighter requirements to operate within a secret-level, secured data environment. Equipment to be purchased includes, but is not limited to, servers, network-attached storage (NAS) clusters, storage area network (SAN) server hardware software and software licensing for required software packages. GCSS-AF will integrate the existing unclassified GCSS-AF services into the secret-level, secured environment to support intelligence agencies, operational commands, and the daily needs of warfighters worldwide.</p> <p>FY08 GWOT funding for GCSS-AF will facilitate cross-domain transfer from the unclassified system to the secret-level, GCSS-AF system when purchased and replicate all services and data via the GCSS-AF SIPRNET-based classified Enterprise Service Bus (ESB). This will include, but is not limited to, providing data analytical and business intelligence tools (the classified data services), building out the classified ESB capabilities, and providing classified Continuity of Operations (COOP) services. These services will support numerous systems that provide the warfighter critical operational support information such as: Global Force Management (GFM), Deliberate Crisis Action Planning and Execution Segment (DCAPES), Unit Level Deployment Readiness (DRS), and mission capability (MICAP) and maintenance data.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$15,024
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$15,024																	
	P-1 ITEM NO 31		PAGE NO: 25	Page 1 of 1																

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS									
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE	A						\$15,024		
TOTALS:							\$15,024		

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS						
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	
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS										
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE										
FY2008(1)			AFMC/ESC	OPT/FFP	LOCKHEEDMARTIN/ ENDICOTT, NY	Oct-07	Mar-08	Yes		
Remarks: (1) GCSS-AF contract F01630-96-d-004 awarded 15 Aug 96 with 10 option years, which has been revised with a two-year extension.										
		P-1 ITEM NO 31			PAGE NO: 27					Page 1 of 1

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

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)			\$231,000					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	GWOT	GWOT
--	--	--	\$231,000

FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

COMMAND, CONTROL, COMMUNICATIONS, AND COMPUTER (C4) INFRASTRUCTURE: FY08 GWOT funding procures communications and information systems equipment supporting the information technology (IT) mission. Procurements include network equipment, network servers, fiber optic cable and transceivers, communications wiring, transceivers, network hubs and voice and data switching equipment. Funding supports network expansion and modernization by providing infrastructure engineering, procurement and installation.

FY08 GWOT funds will provide robust communications infrastructure via programs such as the Combat Information Transport System (CITS) program, Information Security System Program (ISSP), Joint Network Management System (JNMS) and other essential command and control (C2) upgrades at key Air Force (AF) locations. CITS, ISSP, and JNMS programs are fully described in the FY08 President's Budget request, P-1 Line 34. FY08 GWOT funds will improve reachback capacity for a number of C2 and Intelligence missions in order to enable AF operators to fully exploit the information dissemination capabilities. This effort provide an expanded network with bandwidth and switch port capacity to meet demanding new requirements, such as imagery-on-demand. The demand for upgraded coalition network access continues to grow at an increasing rate. Funding will also correct network deficiencies that impact combined operations, through NORAD, in support of the Homeland Defense mission. Installs may include: fiber optic backbone, network equipment, encryption devices, virtual private networks, voice and video interfaces, building wiring, wireless, network access, training, operational testing and support.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE		
Description (continued): Funds will support secure, fiber-optic and wireless infrastructure to mission-critical fixed-base facilities; procure products to assure integrity of information systems in the face of attack and assist with defense against cyber attacks on critical defense-related infostructure. The existing communications cabling was installed piece-meal over the years and is failing under the strain of current operations. Failure to fund this requirement will severely limit reachback capacity and negatively impact operators' ability to fully exploit information dissemination. Note: The Budget Activity for this program is different from what is shown in the President's Budget summary.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
---	-----------------------------

APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE
--	---

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BASE INFORMATION INFRASTRUCTURE									
C4 INFRASTRUCTURE	A						\$231,000		
TOTALS:							\$231,000		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO 34		PAGE NO: 30	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE						
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	
BASE INFORMATION INFRASTRUCTURE										
C4 INFRASTRUCTURE										
FY2008(1-3)			AFMC/ESC	OTH/OTH	MULTIPLE	Oct-07	Jan-08	Yes		
<p>Remarks:</p> <p>(1) Multiple award and delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.</p> <p>(2) Multiple contractors will be used to satisfy requirements. Contracts are typically, but not exclusively, accomplished via NETCENTS. CITS: Typical contractors include EDS, Herndon, VA; NG, McLean, VA; General Dynamics, Needham, MA; Avaya, St. Petersburg, FL; NexteraOne, Portland, OR; Centech Group, Arlington, VA; Multimax, Inc., Largo, MD; NCI Info Systems, Reston, VA; Booz Allen Hamilton Inc., McLean, VA; Lockheed Martin, Manassas, VA; Telos Corp, Ashburn, VA.</p> <p>(3) Given the close linkage between CITS and ISSP, ISSP will be executed through the CITS contractors listed above.</p>										
			P-1 ITEM NO 34			PAGE NO: 31	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$400																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: center;">\$400</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>DEFENSE MESSAGE SYSTEM/AUTOMATED MESSAGE HANDLING SYSTEM(DMS/AMHS): GWOT funds will procure a DMS/AMHS instance at MacDill AFB for deployment to USCENTCOM's Theater Command, Control, and Communications Coordination Center - Forward (TCCC-FWD). DMS/AMHS provides critical organizational messaging, and other communications exchanged between organizational elements in support of C2, combat support, combat services support, GWOT and other functional activities. This is a new requirement from CENTCOM for DMS/AMHS servers and associated equipment, urgently needed to conduct operations.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$400
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$400																	
	P-1 ITEM NO NA		PAGE NO: 32		Page 1 of 1															

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)
--	--

PROCUREMENT ITEMS	ID CODE	FY2006		FY2007		FY2008		FY2009	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DEFENSE MESSAGE SYSTEM (DMS)									
AMHS/SERVERS & ASSOCIATED EQUIPMENT	A						\$400		
TOTALS:							\$400		

Remarks:
Cost information is in thousands of dollars.

	P-1 ITEM NO NA		PAGE NO: 33		Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)					
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
DEFENSE MESSAGE SYSTEM (DMS)(1)									
AMHS/SERVERS & ASSOCIATED EQUIPMENT									
FY2008(1)		\$400,000	USCENTCOM	MIPR/FFP	AIRFORCE/OTHER	Oct-07	Jun-08	Yes	
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) New task order on existing NETCENTS contract FA8771-04-F-0339 , with TELOS Corporation, Ashburn VA, award date 1 Oct 07.</p>									
			P-1 ITEM NO NA			PAGE NO: 34	Page 1 of 1		

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM SPACE																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)			\$20,000																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: right;">\$20,000</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>VSPACELIFT RANGE SYSTEM ADJUSTMENT: The Eastern Range (ER) at Patrick Air Force Base, FL, and the Western Range (WR) at Vandenberg AFB, CA, make up the Spacelift Range System (SLRS). The SLRS provides tracking, telemetry, communications, flight analysis and other capabilities needed to safely conduct: national security, civil and commercial spacelift operations; intercontinental and sea-launched ballistic missile evaluations; national missile defense tests and aeronautical and guided weapons tests. Many range assets are obsolete, unreliable, inefficient and costly to operate and maintain. Reliability has been a major issue due to reliance on equipment such as 25-year old computers, 1960s vintage high frequency (HF) transmitters, wire-wrap circuit boards, etc. This leads to use of multiple assets for redundancy during launches to ensure availability of range support.</p> <p>FY08 GWOT funds will procure command destruct software and system upgrades, telemetry site computer replacements, and radar open system architecture upgrades. The Spacelift Range System Contract (SLRSC) modernizes range instrumentation and executes proactive recapitalization projects to replace hardware no longer efficient or sustainable. It procures and integrates instrumentation components with associated test and interface equipment, downrange local control, and follow-on control/display and communications systems. Funds will ensure the SLRSC will efficiently continue command destruct, telemetry, and radar modernization efforts and ensure timely WR operations control center activation. Funds ensure effective range modernization and recapitalization efforts for responsive spacelift in support of the Global War on Terror.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$20,000
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$20,000																	
P-1 ITEM NO 40		PAGE NO: 35		Page 1 of 1																

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM SPACE
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
SPACELIFT RANGE SYSTEM SPACE													
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)	A									\$20,000			
TOTALS:										\$20,000			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 40		PAGE NO: 36		Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM 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	
SPACELIFT RANGE SYSTEM SPACE										
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)										
FY2008(1-2)			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/ CAPE CANAVERAL, FL	Oct-07	Feb-08	Yes		
Remarks:										
<p>(1) Quantities vary due to numerous increments of products being delivered across fiscal years. Unit costs vary because of different types/configurations of equipment being procured. Dates shown for each FY reflect first contract option award and delivery date for the contract in that FY.</p> <p>(2) SLRSC, awarded in Nov 00 to ITT Industries, Cape Canaveral, FL, includes options for: modernization and recapitalization efforts; sustaining engineering; interim supply support; configuration and data management; and depot-level maintenance. These options run through FY10.</p>										
	P-1 ITEM NO 40			PAGE NO: 37			Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 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)			\$11,100																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td>--</td> <td style="text-align: center;">\$11,100</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>1. REMOTE OPERATIONS VIDEO ENHANCED RECEIVER (ROVER): FY08 GWOT funds will procure 370 ROVER terminals for Special Tactics Combat Controller Teams (CTT), CSAR Training, and Combat Sustainment. ROVER provides full motion video capability from airborne platforms to line of sight users via airborne, mobile, fixed, or man-portable terminals. Without this equipment, Special Tactics CCTs deployed in support of OIF and OEF will not be able to view full motion video feeds from Predators and other equipped aircraft, limiting their capabilities to rapidly indentify high-value targets and to prevent fratricide.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	--	\$11,100
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	--	\$11,100																	
	P-1 ITEM NO 44		PAGE NO: 38		Page 1 of 1															

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT
--	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
ROVER	A									\$11,100			
TOTALS:										\$11,100			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 44		PAGE NO: 39	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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	
ROVER										
FY2008(1)			AFMC/ASC	DO/FFP	L-3 COMMUNICATIONS SYSTEM/ WEST SALT LAKE CITY, UT	Oct-07	Dec-07	Yes		
Remarks: (1) Contracts for VCS is unknown at this time. Full and Open competition.										
	P-1 ITEM NO 44			PAGE NO: 40			Page 1 of 1			

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2008

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OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

<u>P-1 Line No.</u>	<u>Item</u>	<u>Page No.</u>
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57	Contingency Operations.....	5
60	Items Less Than \$5 Million (Base Support).....	9
63	Distributed Ground Systems.....	14

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 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	\$2,500																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>--</td> <td>--</td> <td style="text-align: center;">\$9,317</td> <td style="text-align: center;">\$2,500</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>Guardian Angel Teams operate in combat under the cover of darkness. Night missions include Guardian Angel Recovery teams consisting of pararescuemen, Combat Rescue Officers and Search Evade (SE) Specialist which are tasked on continuous Combat Search and Rescue deployments in support of OEF, OIF, and HOA. These teams operate outside the wire and engage in combat operations to recover isolated personnel. Guardian Angel Teams operate in zero illumination on a regular basis and do not have adequate night vision devices for their operational environment. This limitation results in higher search times, increase exposure to enemy threat, and reduce isolated personnel survivability. Additionally, current night vision devices are not rugged enough for ground operations, which result in increased wear/tear and overall maintenance cost.</p> <p>Rugged night vision devices designed for ground operations are commercially available. NVGs are mission essential during Combat Search and Rescue operations. The overall shortfall of 44 Binocular, 188 monocular, 140 Thermal NVD, and 20 testers directly affects continued operations in the CENTCOM AOR.</p> <p>Items request in FY08 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force Mission Requirements.</p>									FY 2006	FY 2007	FY 2007	FY 2008	GWOT	Title IX	GWOT	GWOT	--	--	\$9,317	\$2,500
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
--	--	\$9,317	\$2,500																	
P-1 ITEM NO 52		PAGE NO: 1		Page 1 of 1																

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: NIGHT VISION GOGGLES
---	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		QTY	Unit Cost	TOTAL COST									
GROUND CREW GOGGLES													
AN/PVS-15 GROUND CREW GOGGLES	A				1,107	\$8,416	\$9,317						
COMBAT SEARCH & RESCUE (CSAR) NVD													
BINOCULAR NVD	A							44	\$3,689	\$162			
MONOCULAR NVD	A							188	\$4,980	\$936			
THERMAL NVD	A							140	\$7,466	\$1,045			
TEST SETS													
TEST SET, INFINITY FOCUS	A							10	\$5,914	\$59			
TEST SET, INFRARED VIEWER (ANV-126A)	A							10	\$29,700	\$297			
TOTALS:					1,107		\$9,317	392		\$2,500			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 52		PAGE NO: 2	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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	
TEST SETS(1)										
TEST SET, INFINITY FOCUS										
FY2008(1)	10	\$5,914	AFMC/WR-ALC	SS/IDIQ	HOFFMANENG/ STAMFORD, CT	Jan-08	Jul-08	Yes		
TEST SET, INFRARED VIEWER (ANV-126A)										
FY2008(1)	10	\$29,700	AFMC/WR-ALC	SS/IDIQ	HOFFMANENG/ STAMFORD, CT	Jan-08	Jul-08	Yes		
COMBAT SEARCH & RESCUE (CSAR) NVD										
MONOCULAR NVD										
FY2008	188	\$4,980	AFMC/WR-ALC	SS/IDIQ	UNKNOWN	Jan-08	Jul-08	Yes		
THERMAL NVD										
FY2008	140	\$7,466	AFMC/WR-ALC	SS/IDIQ	UNKNOWN	Jan-08	Jun-08	Yes		
BINOCULAR NVD										
P-1 ITEM NO 52			PAGE NO: 3			Page 1 of 2				

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 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	
FY2008(1)	44	\$3,689	AFMC/WR-ALC	SS/IDIQ	UNKNOWN	Jan-08	Jul-08	Yes		
AN/PVS-15 GROUNDCREW GOGGLES										
FY2007	1,107	\$8,416	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/LITTON/TEMPE, AZ	Jul-07	Jul-08	Yes		
GROUNDCREW GOGGLES										
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) New contract w/options to be awarded - Estimated award date Jan 08.</p>										
			P-1 ITEM NO 52				PAGE NO: 4	Page 2 of 2		

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

	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
QUANTITY								
COST (in Thousands)	\$12,500	\$7,200	\$9,200					

Description:
(Dollars in Thousands)

FY 2006	FY 2007	FY 2007	FY 2008
GWOT	Title IX	Supplemental	Total
\$12,500	--	\$7,200	\$9,200

FY08 GLOBAL WAR ON TERROR (GWOT) SUPPLEMENTAL JUSTIFICATION:

F6A ROBOTS Replace IED defeat capability lost to combat and wear/tear in support of OIF/OEF. F6A Robots allow Explosive Ordinance Disposal (EOD) forces to leverage spiral and evolutionary robotic technologies to maintain a viable capability to defeat increasingly sophisticated terrorist improvised explosive devices. Examples of new/improved technologies required include advances in sensor, cameras, robotic electronics, wireless technology, non-energetic/energetic tools, and improved manipulation attachments. Increased IED defeat capabilities include enhanced standoff range and new attachments with the capability to operate in both battlefield and urban environments. In order to execute our Nation's GWOT strategy our EOD forces require modern standoff robotic capability to defeat the threat. Requested funding provides new and replacement robots with the capabilities required to defeat the increasingly sophisticated terrorist improvised explosive devices.

POWER HAWK Counter IED robotic capability provides a remote/standoff tool or method of operation which increases the ability of the Explosive Ordnance Disposal technician to locate and perform "render safe" procedures on IEDs or other explosive hazards. The Power Hawk system integrates a modified commercial-of-the-shelf jaws-of-life device on existing robots. System provides EOD technicians a standoff tool to cut locks on large vehicles, remotely gain access to trunks, hoods, and doors on vehicles to perform diagnostics and render safe procedures on terrorist's devices.

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: SEPTEMBER 2007
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: CONTINGENCY OPERATIONS
---	--

WEAPON SYSTEM COST ELEMENTS	ID CODE	FY2006			FY2007			FY2008			FY2009		
		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						
F6A ROBOTICS	A							36	\$213,888	\$7,700			
POWER HAWK ROBOTICS	A							61	\$24,590	\$1,500			
TOTALS:				\$12,500			\$7,200			\$9,200			

Remarks:
Total Cost information is in thousands of dollars.

	P-1 ITEM NO 57		PAGE NO: 6	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: CONTINGENCY OPERATIONS						
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(1)	83	\$150,602	HQ ACC	MIPR/FFP W/OPT	NAVY/NAVY/ NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Feb-07	Apr-07	Yes		
MINE AREA CLEARANCE EQUIPMENT										
FY2007(1)	7	\$1,028,571	HQ ACC	MIPR/FFP W/OPT	NAVY/NAVY/ NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Apr-07	Feb-08	Yes		
F6A ROBOTICS										
FY2008	36	\$213,888	HQ ACC	MIPR/FFP	NAVY/NAVY/ NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Jun-08	Dec-08	Yes		
POWER HAWK ROBOTICS										
		P-1 ITEM NO 57			PAGE NO: 7					Page 1 of 2

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: SEPTEMBER 2007			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: CONTINGENCY OPERATIONS						
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	
FY2008	61	\$24,590	HQ ACC	MIPR/FFP	NAVY/ NAVY/ NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Jun-08	Dec-08	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Multiple award and delivery dates to be awarded to existing contracts -- N00174-03-D-002, awarded 29 oct 2002, delivery order 12 awarded 20 Sep 2006 -- N00174-03-D-003 awarded 29 Oct 2002, delivery order 0014 awarded 15 sep 2006</p>										
			P-1 ITEM NO 57			PAGE NO: 8				Page 2 of 2

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: SEPTEMBER 2007
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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	\$177,200					

Description:
(Dollars in Thousands)

FY 2006 GWOT --	FY 2007 Title IX --	FY 2007 GWOT \$18,000	FY 2008 GWOT \$177,200
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FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:

SUPPORT EQUIPMENT Procures replacement of mission essential base maintenance support equipment critical to the USAF's prosecution of the GWOT. Funds required to purchase generators, air compressors, maintenance stands, jacks, lifts, test systems, and other large industrial equipment. Continued wear on current equipment to support both contingency and homeland defense missions, to include items damaged/destroyed in the AOR, is accelerating life expectancy resulting in the need for earlier replacement. Because there is limited amount of support equipment, it must be redistributed as required to support all mobility taskings. This drives additional transportation cost, and wear and tear on the equipment. Additionally, more risk is assumed by the warfighter with limited support equipment.

GUARDIAN ANGEL HIGH ALTITUDE PARACHUTE replace present parachute systems (MC-4, MC-5, and MC1-1C/D) which are limited in operational scope. The MC-4 and MC-5 have a suspended weight limitation of 360 pounds, limited standoff capability, no static line capability below 3000 feet, and are unforgiving upon landing on high altitude Drop Zones. The current MC1-1C/D was designed for a 300 lbs suspended weight and its main canopy descent rate does not facilitate soft landings. Suspended weight and performance limitations increase the risk and rate injuries for CSAR personnel and are not sufficient to meet the required capabilities. To mitigate this limitation and rapidly fulfill CENTCOM's urgent operational need, Guardian Angel fielded an advanced parachute and need to continue providing this capability. The Guardian Angel Advanced Parachute program aims to retrofit existing

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (BASE SUPPORT EQUIP)			
Description (continued): parachutes and field improved capability to maintain a precision high altitude airdrop capability for CSAR forces supporting continuous GWOT taskings. GENERATORS replace Air Control Squadron (ACS) UTC generators deployed during AEF deployments. Currently, the units are short a total of 15 generators due to generators being left behind in OIF. ACS units are low density/high demand command and control assets that are used extensively to support ONE, OIF, and OEF to provide COCOMs with 24 hour theater-wide weapons control, air surveillance, and data link connectivity. The deployment schedule for the three active duty ACC ACS units is extremely heavy. In one year cycles, each unit fulfills a 4-month AEF deployment rotation in Balad, Iraq; reconstitutes for two months; fulfills its 4-month ONE Prepared to Deploy Order commitment; and then takes two months in preparation for their next OIF rotation. Failure to fund generator replacement will cause ACC to either utilize other more costly C2 assets (i.e., AWACS) or force Air National Guard ACS partial mobilization. SENIOR LEADER IN TRANSIT CONFERENCE CAPSULE (SLICC) was identified as a time-critical, emergent requirement in late FY2006. The requirement was established by the Commander, Air Mobility Command, to support taskings identified in DoDD 4500.56, "DoD Policy on the Use of Government Aircraft and Air Travel", March 2, 1997. This directive identifies DoD Senior Officials as "General or flag officers and civilian employees of the Senior Executive Service, or equivalent, and higher level employees." These users are designated "required users" of military aircraft in the conduct of their official duties. Commercial transportation is often unacceptable for use by "required users" due to their need for secure communications, security requirements which exceed that available in the commercial sector, travel to non-commercial destinations, or their need for responsive transportation to satisfy exceptional scheduling requirements dictated by frequent short-notice travel. Today there are insufficient resources to meet "required user" travel needs., particularly in terms of being able to provide an environment in which senior officials can hold private conversations, accomplish work of a sensitive nature, conduct meetings with staff, and rest while the aircraft is en-route. Use of the SLICCs will provide for more efficient use of the senior leader's time by allowing them to conduct necessary business and staff coordination securely while in transit, as well as arriving at the destination fully rested and prepared to begin work immediately. The shortage of C-32 aircraft/DV lift has made the development of an additional DV airlift capability essential in order to provide senior leaders with suitable travel accommodations on non-Operational Support Airlift/Very Important Persons/Special Airlift Mission (OSAVIPSAM) aircraft. Scheduled essential maintenance/modifications on the OSAVIPSAM fleet over the next several years will create difficulties in meeting all the airlift needs of the required users identified above. Current non-OSAVIPSAM airlift capability consists of just two "Silver Bullet" Airstream trailers, which are exclusively utilized by Cabinet level DVs, Secretary of Defense, Deputy Secretary of Defense, Chairman and Vice Chairman of the JCS, and Combatant Commanders. The procurement of up to ten SLICCs is to provide additional senior leader airlift capability by positioning SLICCS in pre-determined locations, such as at McGuire AFB, NJ, Ramstein AB, Germany, and Hickam AFB, HI. The pre-positioning of up to ten SLICCs at various locations around					
	P-1 ITEM NO 60		PAGE NO: 10		Page 2 of 3

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: SEPTEMBER 2007	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION (BASE SUPPORT EQUIP)		
Description (continued): the world will minimize delay in providing appropriate airlift to "required users" in order to meet the needs identified above, while also maximizing planning flexibility in returning unoccupied capsules to a staging location as "freight". The SLICC will provide a responsive senior leader transport capability in a small footprint package while allowing for deployment on regular cargo missions using existing freight loaders. Aircraft capable of accommodating SLICC include C-17, C-5, C-130, KC-10. Features: The detailed requirements for the SLICC are to provide a private compartment for use by senior leaders to work and rest while the aircraft is in-transit. There will be two workstations with airline style seats within the capsule. The capsule will also include separate berthing for two adults, capable of being stowed when not in use, as well as a couch capable of seating at least two adults. Included in the capsule will be a flat panel monitor for display of presentations, or playback of DVDs. The capsule will incorporate an aesthetically acceptable interior finish meeting current airline business-class standards. Communications Capability: Will support connectivity to a global beyond-line-of-sight capability which will provide non-secure and secure (up to and including "SECRET") voice communications, accessible and usable when airborne. The capsule will incorporate communications between the aircrew and capsule occupants, 110V power receptacles, both internal and emergency lighting, secure weapons storage, lockable document storage and an internally regulated ventilation capability. All safety requirements including fire extinguishers, emergency annunciators, and portable emergency escape breathing devices will be provided in the capsule.				
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: SEPTEMBER 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				\$18,000				
GUARDIAN ANGEL HIGH ALTITUDE PARACHUTE	A					150	\$3,800		
SLICC	A					9	\$16,200		
FSC 1710 - AIRCRAFT ARRESTING SYS	A						\$25,696		
FSC 3411 BORING MACHINES	A						\$4,017		
FSC 3415 GRINDING MACHINES	A						\$340		
FSC 3417 MILLING MACHINES	A						\$873		
FSC 3433 GAS WELDING, HEATING, CUTTING, AND METALIZING EQUIPMENT	A						\$441		
FSC 3835 PETROLEUM PRODUCTION AND DISTRIBUTION EQUIPMENT	A						\$1,105		
FSC 4931 FIRE CONTROL MAINTENANCE AND REPAIR SHOP SPECIAL EQUIPMENT	A						\$9,046		
FSC 5411 RIGID WALL SHELTERS	A						\$29,700		
FSC 6150 MISC ELECTRICAL POWER AND DISTRIBUTION EQUIPMENT	A						\$479		
FSC 6230 ELECTRIC PORTABLE AND HAND LIGHTING EQUIPMENT	A						\$8,610		

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

DATE: SEPTEMBER 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
FSC 3410 - ELECTRICAL AND ULTRASONIC EROSION MACHINES	A						\$396		
FSC 3416 LATHES	A						\$257		
FSC 3424 - METAL HEAT TREATING AND NON-THERMAL TREATING EQUIP	A						\$618		
FSC 3441 - BENDING AND FORMING MACHINES	A						\$3,272		
FSC 3408 - MACHINING CENTERS AND WAY TYPE MACHINES	A						\$375		
FSC 3470 - MACHINE SHOP SETS, KITS AND OUTFITS	A						\$11,506		
FSC 4920 - AIRCRAFT MAINTENANCE & SPECIALIZED EQUIP	A						\$12,371		
FSC 4930 - LUBRICATION AND FUEL DISPENSING EQUIP	A						\$10,027		
FSC 6115 GENERATORS AND GENERATOR SETS, NONAIRBORNE	A						\$9,204		
FSC 6625 - ELECTRICAL, ELECTRONIC MEASURING AND TESTING EQUIPMENT	A						\$28,866		
TOTALS:							\$18,000	159	\$177,200

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: SEPTEMBER 2007													
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: DISTRIBUTED GROUND SYSTEMS																
	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013												
QUANTITY																				
COST (in Thousands)	\$151,493	\$21,607	\$27,500																	
<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 2008</td> </tr> <tr> <td>GWOT</td> <td>Title IX</td> <td>GWOT</td> <td>GWOT</td> </tr> <tr> <td>\$100,045</td> <td>--</td> <td>\$21,607</td> <td>\$27,500</td> </tr> </table> <p>FY08 GLOBAL WAR ON TERROR (GWOT) BUDGET JUSTIFICATION:</p> <p>Provides \$10,000K for the Digital Video Imagery Distribution System, \$2,500K for the Mobile Stretch (MOBSTR) Data Link Spares., and \$15,000K for the Deployable Ground Intercept Facility and Ground Control Processor</p> <p>Detailed information on the DARP Distributed Ground System 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 2008	GWOT	Title IX	GWOT	GWOT	\$100,045	--	\$21,607	\$27,500
FY 2006	FY 2007	FY 2007	FY 2008																	
GWOT	Title IX	GWOT	GWOT																	
\$100,045	--	\$21,607	\$27,500																	
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DEPARTMENT OF THE AIR FORCE

FISCAL YEAR (FY) 2008

GLOBAL WAR ON TERROR BUDGET AMENDMENT

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

DESCRIPTIVE SUMMARIES, BUDGET ACTIVITIES 2 - 7

SEPTEMBER 2007



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PROGRAM ELEMENT COMPARISON SUMMARY
INTRODUCTION AND EXPLANATION OF CONTENTS

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BUDGET ACTIVITY 3: ADVANCED TECHNOLOGY DEVELOPMENT (ATD)

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

BUDGET ACTIVITY 5: SYSTEM DEVELOPMENT AND DEMONSTRATION (SDD)

BUDGET ACTIVITY 6: RDT&E MANAGEMENT SUPPORT

BUDGET ACTIVITY 7: OPERATIONAL SYSTEM DEVELOPMENT

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PE NUMBER: 0602102F

PE TITLE: Materials

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DATE

September 2007

BUDGET ACTIVITY

02 Applied Research

PE NUMBER AND TITLE

0602102F Materials

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000
4915 Deployed Air Base Technology	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

This project develops new deployable airbase technologies to reduce airlift and manpower requirements, setup times, and sustainment costs, and to improve protection and survivability of deployed Air Expeditionary Force (AEF) warfighters. Affordable, efficient technologies are developed for base infrastructure, fire fighting, and force protection to improve deployed operations. Note: This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

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Exhibit R-2 (PE 0602102F)

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Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 02 Applied Research					PE NUMBER AND TITLE 0602102F Materials		PROJECT NUMBER AND TITLE 4915 Deployed Air Base Technology		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4915 Deployed Air Base Technology	0.000	0.000	0.000	3.700	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This project develops new deployable airbase technologies to reduce airlift and manpower requirements, setup times, and sustainment costs, and to improve protection and survivability of deployed Air Expeditionary Force (AEF) warfighters. Affordable, efficient technologies are developed for base infrastructure, fire fighting, and force protection to improve deployed operations. Note: This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) MAJOR THRUST: Counter-Improvised Explosive Device (IED) - Explosive Detection Technology.	0.000	0.000	0.000	3.100
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Evaluate sampling technologies to allow screening for explosives in packages, luggage, personnel, and entry control points. Evaluate detectors for emerging threats. Identify suitable explosives detectors and sample collectors for field deployment.				
(U) MAJOR THRUST: Hardened Expeditionary Structures.	0.000	0.000	0.000	0.300
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Develop expeditionary structure designs/technologies with blast and ballistic protection against 120 mm mortar and 122 mm rocket threats. Designs will include complete structures, stand-alone overhead protection systems, and complete troop housing systems that are easy to ship, assemble, disassemble, and repackage for transport.				
(U) MAJOR THRUST: Composite Rubberized Concrete (CRC) for Blast Applications.	0.000	0.000	0.000	0.300
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Design, develop, and validate protective systems using recycled rubber as an additive aggregate to conventional concrete to improve blast resistance, with a particular emphasis on reducing				

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 02 Applied Research	PE NUMBER AND TITLE 0602102F Materials	PROJECT NUMBER AND TITLE 4915 Deployed Air Base Technology
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(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u> secondary concrete fragments produced by the blast. Goal is to reduce or mitigate the spalling effect of conventional concrete, while maintaining structural strength.	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Total Cost	0.000	0.000	0.000	3.700

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Not Applicable.

(U) **D. Acquisition Strategy**
Not Applicable.

(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) Not Applicable.			

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PE NUMBER: 0602702F
 PE TITLE: Command Control and Communications

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 02 Applied Research	PE NUMBER AND TITLE 0602702F Command Control and Communications
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	1.800	0.000	0.000	0.000	0.000	0.000
4519 Communications Technology	0.000	0.000	0.000	1.800	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

The Air Force requires technologies that enable assured, worldwide/theater, high capacity, communications and networking for Air Force Task Forces. These communication and networking technologies will provide capabilities for en route and deployed distributed collaborative command, control, surveillance, reconnaissance and exploitation. A rapidly deployed force requires assured connectivity with reliable, responsive, affordable information exchange via all available communications media. This project provides the technologies for: multi-level, secure, seamless networks; advanced communications processors; anti-jam and low probability of intercept techniques; lightweight, phased array antennas; and modular, programmable, low-cost software radios. It includes technologies for advanced processors and devices, advanced network protocols and services, intelligent communications management and control, advanced communications algorithms, and enabling communication signal processing techniques. This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 02 Applied Research					PE NUMBER AND TITLE 0602702F Command Control and Communications		PROJECT NUMBER AND TITLE 4519 Communications Technology		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4519 Communications Technology	0.000	0.000	0.000	1.800	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Air Force requires technologies that enable assured, worldwide/theater, high capacity, communications and networking for Air Force Task Forces. These communication and networking technologies will provide capabilities for en route and deployed distributed collaborative command, control, surveillance, reconnaissance and exploitation. A rapidly deployed force requires assured connectivity with reliable, responsive, affordable information exchange via all available communications media. This project provides the technologies for: multi-level, secure, seamless networks; advanced communications processors; anti-jam and low probability of intercept techniques; lightweight, phased array antennas; and modular, programmable, low-cost software radios. It includes technologies for advanced processors and devices, advanced network protocols and services, intelligent communications management and control, advanced communications algorithms, and enabling communication signal processing techniques. This program is in Budget Activity 2, Applied Research, since it develops and determines the technical feasibility and military utility of evolutionary and revolutionary technologies.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Major Thrust: Develop a tactical communications-friendly counter improvised explosive devices (IED) security blanket.	0.000	0.000	0.000	1.800
(U) In FY 2006 GWOT: Not Applicable.				
(U) In FY 2007 Title IX: Not Applicable.				
(U) In FY 2007 GWOT: Not Applicable.				
(U) In FY 2008 GWOT: Develop Software Defined Radio technology, which will jam detected IED detonation signals. This system will also learn new IED detonation signals, communicate this information between other identical counter IED systems and not impede desired tactical radio communications in the VHF/UHF spectrum. Current Electromagnetic (EM) "jammers" used to defeat radio-controlled IEDs have the side effect of also inadvertently jamming desired tactical communication systems.				
(U) Total Cost	0.000	0.000	0.000	1.800

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Not Applicable.									

(U) D. Acquisition Strategy

Not Applicable.

Exhibit R-2a, RDT&E Project Justification		DATE September 2007
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BUDGET ACTIVITY 02 Applied Research	PE NUMBER AND TITLE 0602702F Command Control and Communications	PROJECT NUMBER AND TITLE 4519 Communications Technology
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(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>
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(U) Not Applicable.

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PE NUMBER: 0603112F
 PE TITLE: Advanced Materials for Weapon Systems

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BUDGET ACTIVITY 03 Advanced Technology Development (ATD)	PE NUMBER AND TITLE 0603112F Advanced Materials for Weapon Systems
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	5.900	0.000	0.000	0.000	Continuing	TBD
2100 Laser Hardened Materials	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
4918 Deployed Air Base Demonstrations	0.000	0.000	0.000	5.900	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This program develops and demonstrates materials technology for transition into Air Force systems. The program has four projects which develop: (1) hardened materials technologies for the protection of aircrews and sensors; (2) non-destructive inspection and evaluation technologies; (3) transition data on structural and non-structural materials for aerospace applications; and (4) airbase operations technologies including deployable base infrastructure, force protection, and fire fighting capabilities. Note: This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 03 Advanced Technology Development (ATD)					PE NUMBER AND TITLE 0603112F Advanced Materials for Weapon Systems		PROJECT NUMBER AND TITLE 2100 Laser Hardened Materials		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2100 Laser Hardened Materials	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U)				
(U)				
(U)				
(U) Total Cost	0.000	0.000	0.000	0.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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

(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>
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(U)

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 03 Advanced Technology Development (ATD)					PE NUMBER AND TITLE 0603112F Advanced Materials for Weapon Systems		PROJECT NUMBER AND TITLE 4918 Deployed Air Base Demonstrations		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4918 Deployed Air Base Demonstrations	0.000	0.000	0.000	5.900	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 project develops and demonstrates advanced, rapidly deployable airbase technologies that reduce airlift and manpower requirements, setup times, and sustainment costs, and improve protection and survivability of deployed Air Expeditionary Force (AEF) warfighters. Affordable, efficient technologies are developed and demonstrated to provide deployable infrastructure, advanced weapon system support, force protection, and fire fighting capability for deployed AEF operations.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) MAJOR THRUST: Airfield Damage Repair (ADR).	0.000	0.000	0.000	5.300
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Develop technologies to maintain and repair CENTAF runways to support increased aircraft traffic and heavy loads. Technologies include pelletization repair of asphalt pavements; advanced spall repair methods, equipment testing, and certification; asphalt material field tests; and automated ADR assessment tool development. These efforts will minimize runway repair time and airfield downtime. Delivers to our deployed civil engineer warfighters (1) advanced/aircraft-certified pavement repair materials (rapid-set); more durable/effective in hot/austere environments; and (2) improved tactics, techniques and procedures (TTP) for repairing Soviet-designed airfields.				
(U) MAJOR THRUST: Counter-Improvised Explosive Device (C-IED) - Sniper-Protected Robotics Operation.	0.000	0.000	0.000	3.100
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Develop sniper-protected capability to transport, employ, control and recover Explosive Ordnance Disposal (EOD) robots, which will allow EOD forces to deploy and operate C-IED equipment from the safety of their armored response vehicles. Current dismounted operations consistently expose EOD personnel to enemy sniper fire and related threats.				
(U) Total Cost	0.000	0.000	0.000	8.400

Exhibit R-2a, RDT&E Project Justification

DATE

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BUDGET ACTIVITY

03 Advanced Technology Development (ATD)

PE NUMBER AND TITLE

**0603112F Advanced Materials for
Weapon Systems**

PROJECT NUMBER AND TITLE

**4918 Deployed Air Base
Demonstrations**

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Not Applicable.

(U) **D. Acquisition Strategy**
Not Applicable.

(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>
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(U)

UNCLASSIFIED

PE NUMBER: 0603231F

PE TITLE: Crew Systems and Personnel Protection Technology

Exhibit R-2, RDT&E Budget Item Justification

DATE

September 2007

BUDGET ACTIVITY

03 Advanced Technology Development (ATD)

PE NUMBER AND TITLE

0603231F Crew Systems and Personnel Protection Technology

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000
2830 Decision Effectiveness Technology	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

This project develops and demonstrates warfighter capability enhancing technologies and information operations technologies that promote effective decision-making, control, and mission execution in the emerging network-enabled operational environment. Included are advanced technologies that improve the ability of battlefield airmen to rapidly assimilate critical information and make timely and correct decisions, display technologies and decision aids that enhance time-critical strikes, and warfighter interface technologies that simplify and speed critical operations in air operation centers and battle management platforms. The project also develops technologies that enhance logistics functions, improve the fidelity and accuracy of large-scale military simulations, protect deployed personnel, improve human effectiveness during aerospace and cyber operations, support development of novel, tailored bio-taggant and identification/neutralization capabilities and develop aircrew system technologies to support long duration missions. The ultimate goal is to assure warfighter decision effectiveness in AF operations. Note: This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

Exhibit R-2a, RDT&E Project Justification

DATE
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BUDGET ACTIVITY 03 Advanced Technology Development (ATD)					PE NUMBER AND TITLE 0603231F Crew Systems and Personnel Protection Technology		PROJECT NUMBER AND TITLE 2830 Decision Effectiveness Technology		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2830 Decision Effectiveness Technology	0.000	0.000	0.000	0.300	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This project develops and demonstrates warfighter capability enhancing technologies and information operations technologies that promote effective decision-making, control, and mission execution in the emerging network-enabled operational environment. Included are advanced technologies that improve the ability of battlefield airmen to rapidly assimilate critical information and make timely and correct decisions, display technologies and decision aids that enhance time-critical strikes, and warfighter interface technologies that simplify and speed critical operations in air operation centers and battle management platforms. The project also develops technologies that enhance logistics functions, improve the fidelity and accuracy of large-scale military simulations, protect deployed personnel, improve human effectiveness during aerospace and cyber operations, support development of novel, tailored bio-taggant and identification/neutralization capabilities and develop aircrew system technologies to support long duration missions. The ultimate goal is to assure warfighter decision effectiveness in AF operations. Note: This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new system developments that have military utility and address warfighter needs.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) MAJOR THRUST: Chemical, Biological, Radiological, Nuclear, and Explosive (CBRNE) Robotic Integration.	0.000	0.000	0.000	0.300
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Integrate and evaluate CBRNE robotic sensors for the readiness mission.				
(U) Total Cost	0.000	0.000	0.000	0.300

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Not Applicable.									

(U) D. Acquisition Strategy

Not Applicable.

(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.)

Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 03 Advanced Technology Development (ATD)	PE NUMBER AND TITLE 0603231F Crew Systems and Personnel Protection Technology	PROJECT NUMBER AND TITLE 2830 Decision Effectiveness Technology
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<u>Name/Title</u>	<u>Location</u>	<u>Work</u>	<u>Projected Award Date</u>
(U) Not Applicable.			

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PE NUMBER: 0603270F
 PE TITLE: Electronic Combat Technology

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 03 Advanced Technology Development (ATD)	PE NUMBER AND TITLE 0603270F Electronic Combat Technology
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	5.325	0.000	0.000	0.000	0.000	0.000
2432 Defensive System Fusion Technology	0.000	0.000	0.000	5.325	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

This project develops technologies to seamlessly combine “layers” of sensor information, net-warfare assets, advanced decision support technologies, and dynamic cognition algorithms into an integrated command and control system for detection and battlefield management of improvised explosive device (IED) systems. The goal is to improve detection, reduce false alarms, and increase geo-location precision of IEDs. This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new sensor and electronic combat developments that have military utility and address warfighter needs.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 03 Advanced Technology Development (ATD)					PE NUMBER AND TITLE 0603270F Electronic Combat Technology		PROJECT NUMBER AND TITLE 2432 Defensive System Fusion Technology		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2432 Defensive System Fusion Technology	0.000	0.000	0.000	5.325	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

This project develops technologies to seamlessly combine “layers” of sensor information, net-warfare assets, advanced decision support technologies, and dynamic cognition algorithms into an integrated command and control system for detection and battlefield management of improvised explosive device (IED) systems. The goal is to improve detection, reduce false alarms, and increase geo-location precision of IEDs. This program is in Budget Activity 3, Advanced Technology Development, since it develops and demonstrates technologies for existing system upgrades and/or new sensor and electronic combat developments that have military utility and address warfighter needs.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) MAJOR THRUST: Cognitive Multi-Sensor IED Detection Technologies (COMIDT)	0.000	0.000	0.000	5.325
(U) In FY06 GWOT: Not Applicable.				
(U) In FY07 Title IX: Not Applicable.				
(U) In FY07 GWOT: Not Applicable.				
(U) In FY08 GWOT: Develop technologies to seamlessly combine “layers” of sensor information, net-warfare assets, advanced decision support technologies, and dynamic cognition algorithms into an integrated command and control system for detection and battlefield management of improvised explosive device (IED) systems.				
(U) Total Cost	0.000	0.000	0.000	5.325

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Not Applicable.									

(U) D. Acquisition Strategy

Not Applicable.

(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>
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(U) Not Applicable.

UNCLASSIFIED

PE NUMBER: 0604327F
 PE TITLE: (HDBTDS) PROGRAM

Exhibit R-2, RDT&E Budget Item Justification								DATE September 2007	
BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)				PE NUMBER AND TITLE 0604327F (HDBTDS) PROGRAM					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	87.700	0.000	0.000	0.000	0.000	22.425
4641 Hard and Deeply Buried Target Defeat System (HDBTDS)	0.000	0.000	0.000	87.700	0.000	0.000	0.000	0.000	22.425

(U) A. Mission Description and Budget Item Justification

This program is an effort to satisfy an Urgent Operational Need (UON) for the Massive Ordnance Penetrator (MOP), a 30,000 pound GPS-guided penetrator weapon, on B-2 for Hard and Deeply Buried (HDBT) defeat. Currently, the MOP is a DTRA sponsored Technology Demonstration concluding in FY08 using the B-52 as a launching platform. The program provides a quick reaction capability by developing 10 MOP weapons, carriage equipment for 4 aircraft, and 5 additional weapons for flight test over a 2.5 year period.

FY08 GWOT JUSTIFICATION: The MOP provides an urgently needed critical global strike capability to fight the war on terrorism. The FY08 funding will allow a seamless continuation of key aspects of the DTRA Tech Demo and MOP integration on the B-2 without increased costs and delays to an urgently needed operational capability.

The program is in Budget Activity 04 (BA 04) because the program will demonstrate a hard target munition capability to defeat hard and deeply buried targets not currently held at risk.

Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)				PE NUMBER AND TITLE 0604327F (HDBTDS) PROGRAM			PROJECT NUMBER AND TITLE 4641 Hard and Deeply Buried Target Defeat System (HDBTDS)			
	Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4641	Hard and Deeply Buried Target Defeat System (HDBTDS)	0.000	0.000	0.000	87.700	0.000	0.000	0.000	0.000	22.425
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification
 This program is an effort to satisfy an Urgent Operational Need (UON) for the Massive Ordnance Penetrator (MOP), a 30,000 pound GPS-guided penetrator weapon, on B-2 for Hard and Deeply Buried (HDBT) defeat. Currently, the MOP is a DTRA sponsored Technology Demonstration concluding in FY08 using the B-52 as a launching platform. The program provides a quick reaction capability by developing 10 MOP weapons, carriage equipment for 4 aircraft, and 5 additional weapons for flight test over a 2.5 year period.

FY08 GWOT JUSTIFICATION: The MOP provides an urgently needed critical global strike capability to fight the war on terrorism. The FY08 funding will allow a seamless continuation of key aspects of the DTRA Tech Demo and MOP integration on the B-2 without increased costs and delays to an urgently needed operational capability.

The program is in Budget Activity 04 (BA 04) because the program will demonstrate a hard target munition capability to defeat hard and deeply buried targets not currently held at risk.

(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Continues development of MOP weapon				83.500
(U) B-2 aircraft integration				4.200
(U)				
(U)				
(U) Total Cost	0.000	0.000	0.000	87.700

(U) C. Other Program Funding Summary (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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
 The acquisition strategy is under development.

(U) E. Major Performers
 (Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations)

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Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604327F (HDBTDS) PROGRAM	PROJECT NUMBER AND TITLE 4641 Hard and Deeply Buried Target Defeat System (HDBTDS)
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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) Boeing	St. Louis, MO		Oct-07

Project 4641

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE
04 Advanced Component Development and Prototypes (ACD&P)	0604327F (HDBTDS) PROGRAM	4641 Hard and Deeply Buried Target Defeat System (HDBTDS)

(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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u> TBD	TBD	TBD								87.700	Oct-07	74.700	162.400	
												0.000	0.000	
												0.000	0.000	
												0.000	0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		87.700		74.700	162.400	0.000
Remarks:														
(U) <u>Support</u>														0.000
														0.000
														0.000
														0.000
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														0.000
														0.000
														0.000
														0.000
														0.000
														0.000
Subtotal Test & Evaluation			0.000	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		87.700		74.700	162.400	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

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

PE NUMBER AND TITLE
0604327F (HDBTDS) PROGRAM

PROJECT NUMBER AND TITLE
4641 Hard and Deeply Buried Target Defeat System (HDBTDS)

**Massive Ordnance Penetrator (MOP)
Quick Reaction Capability
Schedule**

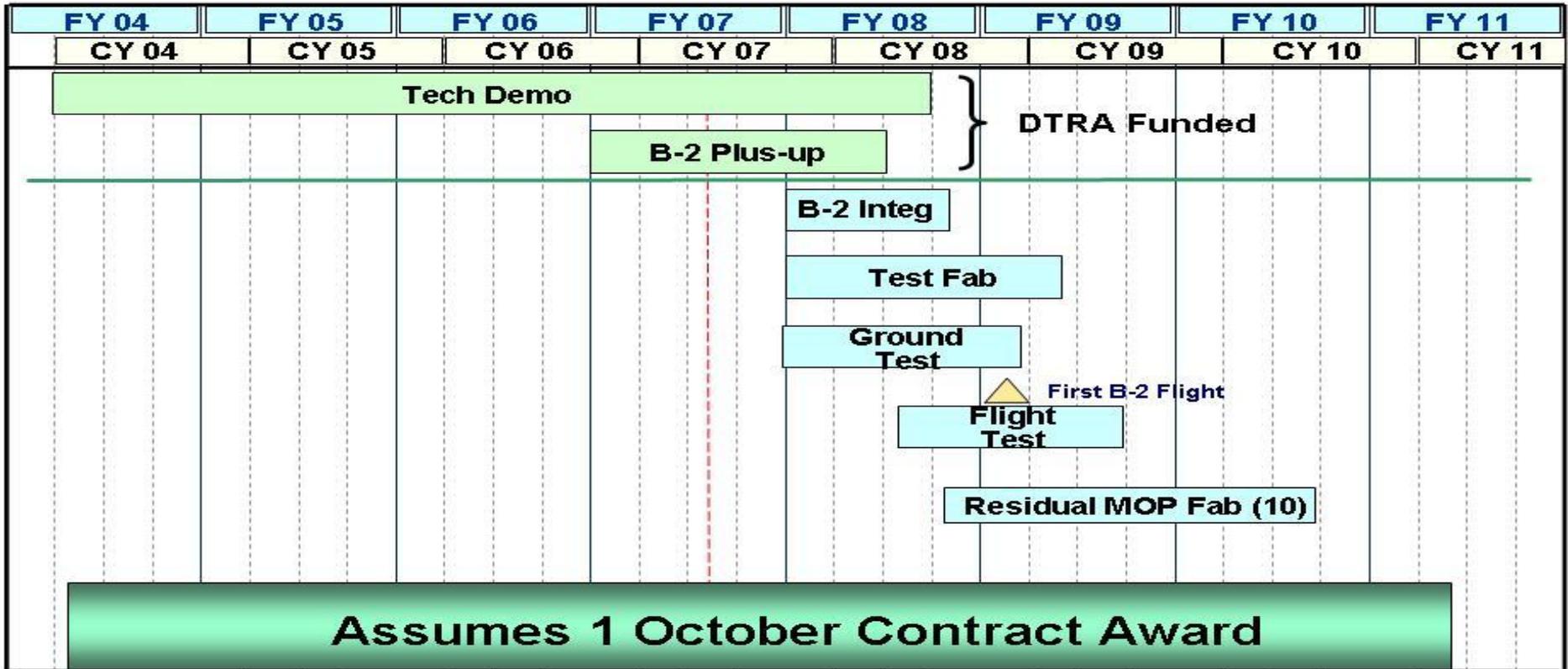


Exhibit R-4a, RDT&E Schedule Detail	DATE September 2007
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BUDGET ACTIVITY 04 Advanced Component Development and Prototypes (ACD&P)	PE NUMBER AND TITLE 0604327F (HDBTDS) PROGRAM	PROJECT NUMBER AND TITLE 4641 Hard and Deeply Buried Target Defeat System (HDBTDS)
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(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) B-2 Integration				1-3Q
(U) Test Fabrication				1-4Q
(U) Ground Test				1-4Q
(U) Flight Test				3-4Q
(U) Weapon Fabrication (10 Residuals)				4Q

The program provides a quick reaction capability by developing 10 MOP weapons, carriage equipment for 4 aircraft, and 5 additional weapons for flight test over a 2.5 year period.

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PE NUMBER: 0604226F
 PE TITLE: B-1B

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604226F B-1B
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT 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	40.000	0.000	0.000	0.000	Continuing	TBD
4596 Conventional Mission Upgrades	0.000	0.000	17.030	40.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

A. Mission Description and Budget Item Justification

USCENTAF formally identified an urgent need request (UNR) to install an Advanced Targeting Pod (ATP) on the B-1B. This is USCENTAF's number one request. The B-1B System Program Office (SPO) will continue the integration of a Laptop Controlled Targeting Pod (LCTP) 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 additional \$40 million GWOT funds will continue the development and integration of new pylons on the aircraft's hard points along with group A/B hardware that will incorporate LCTP functionality. This integration is required for the B-1B to have the capability to positively identify targets on the ground from medium altitude in accordance with CENTCOM's AOR rules of engagement. It will also certify GBU-31, GBU-38, and Laser Guided Bombs (LGBs) for employment with B-1B ATP. In addition, these funds will pay for the development and integration of a digital data recorder (DDR) for use in training and operational missions to record multi-function display radar and weapon data. Recorded data will then be used for aircrew mission reconstruction including post-mission intelligence reports. Upon incorporation of B-1B LCTP, the recorder will capture targeting pod data and provide post-mission non-traditional ISR and battle damage assessment. Furthermore, this integration will provide the B-1B a capability to provide precision targeting data that will significantly enhance the aircraft's targeting and weapon delivery capability. USCENTAF's number one UNR (Jul 06), USCENTAF combat mission need statement (CMNS) (Aug 03), and a combined joint task force (CJTF)-180 operational needs statement (ONS) require all B-1Bs to positively identify targets before engagement. The capability provided by an integrated targeting pod will significantly reduce the tactical air controller's time to communicate target coordinates, friendly locations, and attack parameters 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. The LCTP FY08 integration requirement costing \$40 million will be executed over the life of the RDT&E appropriation. This is a continuation of the FY07 GWOT allocation and will complete the development of the LCTP on B-1B.

FY08 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 cause delay. In recent 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. LCTP-equipped B-1Bs can provide direct fire support to ground forces, reduce fratricide, and limit collateral damage by providing positive target identification and enhanced non-traditional Intelligence, Surveillance, and Reconnaissance (ISR).

Exhibit R-2a, RDT&E Project Justification

DATE
September 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	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4596 Conventional Mission Upgrades	0.000	0.000	17.030	40.000	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

A. Mission Description and Budget Item Justification

USCENTAF formally identified an urgent need request (UNR) to install an Advanced Targeting Pod (ATP) on the B-1B. This is USCENTAF's number one request. The B-1B System Program Office (SPO) will continue the integration of a Laptop Controlled Targeting Pod (LCTP) 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 additional \$40 million GWOT funds will continue the development and integration of new pylons on the aircraft's hard points along with group A/B hardware that will incorporate LCTP functionality. This integration is required for the B-1B to have the capability to positively identify targets on the ground from medium altitude in accordance with CENTCOM's AOR rules of engagement. It will also certify GBU-31, GBU-38, and Laser Guided Bombs (LGBs) for employment with B-1B ATP. In addition, these funds will pay for the development and integration of a digital data recorder (DDR) for use in training and operational missions to record multi-function display radar and weapon data. Recorded data will then be used for aircrew mission reconstruction including post-mission intelligence reports. Upon incorporation of B-1B LCTP, the recorder will capture targeting pod data and provide post-mission non-traditional ISR and battle damage assessment. Furthermore, this integration will provide the B-1B a capability to provide precision targeting data that will significantly enhance the aircraft's targeting and weapon delivery capability. USCENTAF's number one UNR (Jul 06), USCENTAF combat mission need statement (CMNS) (Aug 03), and a combined joint task force (CJTF)-180 operational needs statement (ONS) require all B-1Bs to positively identify targets before engagement. The capability provided by an integrated targeting pod will significantly reduce the tactical air controller's time to communicate target coordinates, friendly locations, and attack parameters 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. The LCTP FY08 integration requirement costing \$40 million will be executed over the life of the RDT&E appropriation. This is a continuation of the FY07 GWOT allocation and will complete the development of the LCTP on B-1B.

FY08 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 cause delay. In recent 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. LCTP-equipped B-1Bs can provide direct fire support to ground forces, reduce fratricide, and limit collateral damage by providing positive target identification and enhanced non-traditional Intelligence, Surveillance, and Reconnaissance (ISR).

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Continue advance targeting pod (ATP) development to include laser guided bomb and digital mission recorder integrations			17.030	40.000
(U) Total Cost	0.000	0.000	17.030	40.000

Exhibit R-2a, RDT&E Project Justification

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Appn 10, PE 0101126F, B-1B, Aircraft Procurement BP11, Mods				22.120					22.120

(U) D. Acquisition Strategy

(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.

(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) None			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
<u>(U) Product Development</u>														
(U) Advanced Targeting Pod	SS/CPFF							17.030		40.000		Continuing	TBD	
Subtotal Product Development			0.000	0.000		0.000		17.030		40.000		Continuing	TBD	0.000
Remarks:														
<u>(U) Support</u>													0.000	
Subtotal Support			0.000	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	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	0.000
Remarks:														
<u>(U) Total Cost</u>			0.000	0.000		0.000		17.030		40.000		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 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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Program	Prior	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013
Advanced Targeting Pod SDD		Development							
Congressional Add FY05 Flight Demo									
FY07 GWOT SDD			Production						
Limited Effort for 6 aircraft									
FY08 GWOT SDD				Production					
Incorporates LGB and Track files									
		Development		Production		Installation			

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 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>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Advanced Targeting Pod SDD				1-4Q
(U) Incorporate Laser Guided Bomb and Target Track Files				4Q

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604240F B-2 Advanced Technology Bomber
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	14.100	0.000	0.000	0.000	Continuing	TBD
3843 B-2 Advanced Technology Bomber	0.000	0.000	0.000	14.100	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The B-2A Spirit is the world's most advanced long-range strike asset. The unique combination of range, payload and stealth characteristics allow the B-2 to target and destroy the highest value enemy targets, regardless of location, and return home safely. The array of planned RDT&E projects are necessary to both preserve this strategic advantage as well as increase the flexibility and lethality of this "capital" asset.

***** FY08 GWOT *****

\$14.1M of FY08 GWOT Supplemental funding, RDT&E, will be applied to upgrading the B-2 Weapon System Trainer (WST). Development will replace the radar training portion of the B-2 Weapons System Trainer, allowing aircrew higher fidelity radar training. Radar training in the WST relieves pressure on fleet assets to accomplish the same training in flight, thus freeing limited assets for direct support of deployed B-2 aircraft or indirect support for other training or other missions.

Note: A separate request for FY08 GWOT funds addresses the procurement of the hardware to upgrade the WST radar functions.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604240F B-2 Advanced Technology Bomber		PROJECT NUMBER AND TITLE 3843 B-2 Advanced Technology Bomber		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3843 B-2 Advanced Technology Bomber	0.000	0.000	0.000	14.100	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 B-2A Spirit is the world's most advanced long-range strike asset. The unique combination of range, payload and stealth characteristics allow the B-2 to target and destroy the highest value enemy targets, regardless of location, and return home safely. The array of planned RDT&E projects are necessary to both preserve this strategic advantage as well as increase the flexibility and lethality of this "capital" asset.

***** FY08 GWOT *****

\$14.1M of FY08 GWOT Supplemental funding, RDT&E, will be applied to upgrading the B-2 Weapon System Trainer (WST). Development will replace the radar training portion of the B-2 Weapons System Trainer, allowing aircrew higher fidelity radar training. Radar training in the WST relieves pressure on fleet assets to accomplish the same training in flight, thus freeing limited assets for direct support of deployed B-2 aircraft or indirect support for other training or other missions.

Note: A separate request for FY08 GWOT funds addresses the procurement of the hardware to upgrade the WST radar functions.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Upgrade the B-2 Weapon System Trainer (WST). NOTE: Funded by FY08 GWOT Supplemental				14.100
(U) Total Cost	0.000	0.000	0.000	14.100

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) PE 11127F (MN-GW054)				6.000					
(U) PE 11127F, BP-16				0.300					

(U) D. Acquisition Strategy

Key elements of the overall acquisition strategy include: use of sole source contract with a prime/integrating contractor (Northrop Grumman); use of cost plus award fee (CPAF) development contracts; and the combination of developmental upgrades with software sustainment blocks to minimize the number of software releases, aircraft downtime, and differences in fielded configurations.

(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>
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Project 3843

R-1 Line Item No. 70
Page-2 of 6

Exhibit R-2a (PE 0604240F)

Exhibit R-2a, RDT&E Project Justification

DATE

September 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604240F B-2 Advanced Technology Bomber

PROJECT NUMBER AND TITLE

3843 B-2 Advanced Technology Bomber

(U)

Project 3843

R-1 Line Item No. 70
Page-3 of 6

Exhibit R-2a (PE 0604240F)

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
05 System Development and Demonstration (SDD)				0604240F B-2 Advanced Technology Bomber						3843 B-2 Advanced Technology Bomber				
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
Weapon System Trainer (NOTE: Funded by FY08 GWOT Supplemental)	CPIF	Various								14.100			14.100	
Subtotal Product Development			0.000	0.000		0.000		0.000		14.100		0.000	14.100	0.000
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	0.000
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	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		14.100		0.000	14.100	0.000
Award dates listed are the first incremental funding opportunity associated with cost categories														

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0604240F B-2 Advanced Technology Bomber

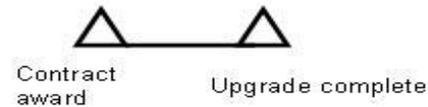
PROJECT NUMBER AND TITLE
3843 B-2 Advanced Technology Bomber



B-2
Detailed Schedule

FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
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**Weapons System Trainer
(Radar capability)**



★ Initial Operational Capability

FY05	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13
------	------	------	------	------	------	------	------	------

Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)		PE NUMBER AND TITLE 0604240F B-2 Advanced Technology Bomber
		PROJECT NUMBER AND TITLE 3843 B-2 Advanced Technology Bomber
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) WST Contract Award		<u>FY07 GWOT</u>
		<u>FY08 GWOT</u>
		3Q
Project 3843	R-1 Line Item No. 70 Page-6 of 6	Exhibit R-4a (PE 0604240F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604329F Small Diameter Bomb
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	27.900	0.000	0.000	0.000	0.000	7.900
5258 Focused Lethality Munition (FLM)	0.000	0.000	0.000	27.900	0.000	0.000	0.000	0.000	7.900

(U) A. Mission Description and Budget Item Justification

Small Diameter Bomb (SDB) is an Air Force ACAT 1C program providing increased kills per sortie on current and future aircraft platforms. SDB addresses the following warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather operations, near-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 the Predator B. SDB is currently in the IOT&E Phase of a combined System Development Demonstration (SDD) and Low Rate Initial Production (LRIP) with FRP planned for the fourth quarter of 2006. SDB will continue multiple incremental development activities to attack moving targets, further reduce collateral damage, investigate alternate aircraft integration platforms, incorporate Anti-Jam Improvements and pursue network CENTRIC interoperability (Increment 2,3). SDB is a key component of the Air Force's Global Strike Task Force CONOPS.

The government is buying the SDB based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at contract award. The contractor will assume performance responsibility as defined in the SPS and warrants system performance for 20 years. Accordingly, the contractor is responsible not only for the design of the missile system, but also for planning and executing the seamless verification program to verify the system performance. In its role as facilitator and advisor to the contractor, the government formally arranges and funds the use of government flight test support for testing. Although funded by the government, flight test support funds are part of the negotiated commitment between the contractor and the government ensuring the contractor is able to execute the test program according to the scope of the SDD contract.

FY08 GWOT Justification:

The SDB Focused Lethality Munition (FLM) Joint Capabilities Technology Demonstration continues the effort to increase blast but decrease collateral damage. FLM will provide focused access to targets that would be restricted by collateral damage limitations. The FY08 Supplemental funds will accelerate the development of FLM to provide the warfighter this capability within the current schedule of objectives.

This program is in Budget Activity 5 - System Development and Demonstration (SDD) because this RDT&E effort develops the Small Diameter Bomb weapon system.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604329F Small Diameter Bomb		PROJECT NUMBER AND TITLE 5258 Focused Lethality Munition (FLM)		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5258 Focused Lethality Munition (FLM)	0.000	0.000	0.000	27.900	0.000	0.000	0.000	0.000	7.900
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Small Diameter Bomb (SDB) is an Air Force ACAT 1C program providing increased kills per sortie on current and future aircraft platforms. SDB addresses the following warfighter requirements: multiple kills per pass; multiple ordnance carriage; adverse weather operations, near-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 the Predator B. SDB is currently in the IOT&E Phase of a combined System Development Demonstration (SDD) and Low Rate Initial Production (LRIP) with FRP planned for the fourth quarter of 2006. SDB will continue multiple incremental development activities to attack moving targets, further reduce collateral damage, investigate alternate aircraft integration platforms, incorporate Anti-Jam Improvements and pursue network CENTRIC interoperability (Increment 2,3). SDB is a key component of the Air Force's Global Strike Task Force CONOPS.

The government is buying the SDB based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at contract award. The contractor will assume performance responsibility as defined in the SPS and warrants system performance for 20 years. Accordingly, the contractor is responsible not only for the design of the missile system, but also for planning and executing the seamless verification program to verify the system performance. In its role as facilitator and advisor to the contractor, the government formally arranges and funds the use of government flight test support for testing. Although funded by the government, flight test support funds are part of the negotiated commitment between the contractor and the government ensuring the contractor is able to execute the test program according to the scope of the SDD contract.

FY08 GWOT Justification:

The SDB Focused Lethality Munition (FLM) Joint Capabilities Technology Demonstration continues the effort to increase blast but decrease collateral damage. FLM will provide focused access to targets that would be restricted by collateral damage limitations. The FY08 Supplemental funds will accelerate the development of FLM to provide the warfighter this capability within the current schedule of objectives.

This program is in Budget Activity 5 - System Development and Demonstration (SDD) because this RDT&E effort develops the Small Diameter Bomb weapon system.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Joint Capabilities Technology Demonstration (JCTD) Contract for Low Collateral Damage Variant				7.900
(U) Total Cost	0.000	0.000	0.000	7.900

Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604329F Small Diameter Bomb	PROJECT NUMBER AND TITLE 5258 Focused Lethality Munition (FLM)
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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>FY08 GWOT</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)	0.000	0.000	0.000						

(U) **D. Acquisition Strategy**

The Focused Lethality Munition (FLM) Joint Capabilities Technology Demonstration (JCTD) contract was sole sourced to Boeing based on only one responsible source to field this capability. It is a Cost Plus Fixed Fee contract with an additional Incentive Fee to motivate schedule.

(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
September 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE						
05 System Development and Demonstration (SDD)			0604329F Small Diameter Bomb					5258 Focused Lethality Munition (FLM)						
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
System Support Development	CPFF	Boeing, St Louis MO	0.000	0.000	Aug-06	0.000		0.000		7.900			7.900	
Subtotal Product Development			0.000	0.000		0.000		0.000		7.900		0.000	7.900	0.000
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	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
46 TW	PO	Eglin AFB FL	0.000	0.000		0.000		0.000					0.000	
Subtotal Test & Evaluation			0.000	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		7.900		0.000	7.900	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0604329F Small Diameter Bomb

PROJECT NUMBER AND TITLE
5258 Focused Lethality Munition (FLM)

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JCTD Top-Level Schedule

681 ARSS

Munitions Directorate

FY 06 FY 07

FY 08

S O N D J F M A M J J A S O N D J F M A M

PO's
Placed
(Long
Lead)



19-Month
Capability

Evaluate Flying Qualities /
Modal Data (Aero & GNC)

Flight Worthiness
(Temp/ EMI/ Antenna,
Shock/Vibe,
Modal/ Dyn Resp)

Static
Live Fire

Flight Test Program

MUA
Live Flight

GTV Design / Case Machining / Builds

Develop Comprehensive Test Plan

Program Plans Updated
(SE, Risk Mgt, etc)

Logistics Impact
Assessment / Support
Concept Update

Initial Threat Hazard
Assessment

Residual
Phase
→

Environmental Testing / Qual

IM / HC

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R-1 Line Item No. 75
Page-5 of 6

Exhibit R-4 (PE 0604329F)

Project 5258

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Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604329F Small Diameter Bomb	PROJECT NUMBER AND TITLE 5258 Focused Lethality Munition (FLM)
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(U) Schedule Profile	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) FLM JCTD Contract Award	4Q			
(U) Technology Readiness Review (TRR)			2Q	
(U) Ground Testing			4Q	
(U) Flight Testing			3-4Q	
(U) Military Utility Assessment				2Q
(U) Delivery of Residual Assets				2Q

Project 5258

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Exhibit R-4a (PE 0604329F)

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PE NUMBER: 0604602F
 PE TITLE: Armament/Ordnance Development

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604602F Armament/Ordnance Development
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	4.200	0.000	0.000	0.000	0.000	0.000
3133 ARMAMENT SUBSYSTEMS	0.000	0.000	0.000	4.200	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

Project is Hard Target Void Sensing Fuze (HTVSF) capability that would provide a fuze to reliably detonate penetrator weapons in the desired location within a hard and deeply buried target. Funding supports a Joint Capability Technology Demonstration (JCTD) to demonstrate a HTVSF capability for 2000/5000 lb class warheads. The HTVSF JCTD would be a joint effort with the Navy, OSD and DTRA (Defense Threat Reduction Agency) with sponsorship expected by PACOM and/or STRATCOM.

FY08 GWOT JUSTIFICATION: Funds proposed HTVSF JCTD; COCOM and Service IPLs identified a capability gap in prosecuting Hard and Deeply Buried Targets (HDBTs) and specifically the lack of a fuze with void sensing ability for penetrator weapons against HDBTs. The current inventory of fuzes were designed/tested to only 5000 psi concrete structures, but recent actions encountered harder targets.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604602F Armament/Ordnance Development		PROJECT NUMBER AND TITLE 3133 ARMAMENT SUBSYSTEMS		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
3133 ARMAMENT SUBSYSTEMS	0.000	0.000	0.000	4.200	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Project is Hard Target Void Sensing Fuze (HTVSF) capability that would provide a fuze to reliably detonate penetrator weapons in the desired location within a hard and deeply buried target. Funding supports a Joint Capability Technology Demonstration (JCTD) to demonstrate a HTVSF capability for 2000/5000 lb class warheads. The HTVSF JCTD would be a joint effort with the Navy, OSD and DTRA (Defense Threat Reduction Agency) with sponsorship expected by PACOM and/or STRATCOM.

FY08 GWOT JUSTIFICATION: Funds proposed HTVSF JCTD; COCOM and Service IPLs identified a capability gap in prosecuting Hard and Deeply Buried Targets (HDBTs) and specifically the lack of a fuze with void sensing ability for penetrator weapons against HDBTs. The current inventory of fuzes were designed/tested to only 5000 psi concrete structures, but recent actions encountered harder targets.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) HTVSF JCTD				4.200
(U)				
(U)				
(U) Total Cost	0.000	0.000	0.000	4.200

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) N/A									

(U) D. Acquisition Strategy

TBD

(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) TBD			

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
05 System Development and Demonstration (SDD)				0604602F Armament/Ordnance Development					3133 ARMAMENT SUBSYSTEMS					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
TBD										4.200			4.200	
Subtotal Product Development			0.000	0.000		0.000		0.000		4.200		0.000	4.200	0.000
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	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	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		4.200		0.000	4.200	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

September 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604602F Armament/Ordnance
Development

PROJECT NUMBER AND TITLE

3133 ARMAMENT SUBSYSTEMS

HTVSF Schedule TBD

Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)		PE NUMBER AND TITLE 0604602F Armament/Ordnance Development
		PROJECT NUMBER AND TITLE 3133 ARMAMENT SUBSYSTEMS
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) TBD		<u>FY07 GWOT</u>
		<u>FY08 GWOT</u>
		1-4Q

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PE NUMBER: 0604617F
 PE TITLE: Agile Combat Support

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604617F Agile Combat Support
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	3.800	0.000	0.000	0.000	0.000	0.000
5268 Small Arms	0.000	0.000	0.000	3.800	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

No documentation is provided for this FY08 effort.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604617F Agile Combat Support		PROJECT NUMBER AND TITLE 5268 Small Arms		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5268 Small Arms	0.000	0.000	0.000	3.800	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

No documentation is provided for this FY08 effort.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U)				
(U)				
(U)				
(U) Total Cost	0.000	0.000	0.000	0.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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

(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) TBD			

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
05 System Development and Demonstration (SDD)				0604617F Agile Combat Support					5268 Small Arms					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>													0.000	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
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	0.000
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	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

September 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604617F Agile Combat Support

PROJECT NUMBER AND TITLE

5268 Small Arms

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Project 5268

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Exhibit R-4 (PE 0604617F)

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)		PE NUMBER AND TITLE 0604617F Agile Combat Support
		PROJECT NUMBER AND TITLE 5268 Small Arms
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U)		<u>FY07 GWOT</u>
		<u>FY08 GWOT</u>
<p align="center">R-1 Line Item No. 84 Page-5 of 5</p>		
Project 5268		Exhibit R-4a (PE 0604617F)

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PE NUMBER: 0604735F
 PE TITLE: Combat Training Ranges

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604735F Combat Training Ranges
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	10.000	0.000	0.000	0.000	Continuing	TBD
2286 Combat Training Range Equipment	0.000	0.000	0.000	10.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Combat Training Range (CTR) Program Element (PE) provides equipment and support to Air Force units and combat training ranges for mission testing, training, and evaluation of aircrews, as well as the operational testing of weapon systems and tactics under simulated combat conditions. This PE provides funding for the development of electronic warfare training capabilities, telecommunications, instrumentation equipment/systems, and standards for the training ranges. This PE includes the development of advanced threat emitters. In FY02, the Advanced Threat Emitter System (ATES) incorporated other Service's requirements and evolved into the Joint Threat Emitter (JTE) system. The JTE continues the development of a comprehensive suite of threat signals for aircrew tactics and electronic combat training for simulated penetrations of hostile airspace. This program complements existing range threat simulators by emulating signals that simulate current and future air defense and threat radars.

FY08 GWOT JUSTIFICATION: The AF's most advanced weapons platforms must train against the most lethal anti-access threats in order to ensure access to the combat area. FY08 GWOT funding will accelerate "double-digit" threat capability for the Joint Threat Emitter (JTE) by one year, allowing system deployment in FY11 and providing the most realistic training environment for our newest combat aircraft.

This program is in Budget Activity 5 - Systems Development and Demonstration because the Combat Training Ranges (CTR) Program directly contributes to the effectiveness and survivability of US combat forces by training capabilities to simulate real combat conditions to prepare the warfighter for actual combat.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0604735F Combat Training Ranges		PROJECT NUMBER AND TITLE 2286 Combat Training Range Equipment			
Cost (\$ in Millions)		FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2286	Combat Training Range Equipment	0.000	0.000	0.000	10.000	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 Combat Training Range (CTR) Program Element (PE) provides equipment and support to Air Force units and combat training ranges for mission testing, training, and evaluation of aircrews, as well as the operational testing of weapon systems and tactics under simulated combat conditions. This PE provides funding for the development of electronic warfare training capabilities, telecommunications, instrumentation equipment/systems, and standards for the training ranges. This PE includes the development of advanced threat emitters. In FY02, the Advanced Threat Emitter System (ATES) incorporated other Service's requirements and evolved into the Joint Threat Emitter (JTE) system. The JTE continues the development of a comprehensive suite of threat signals for aircrew tactics and electronic combat training for simulated penetrations of hostile airspace. This program complements existing range threat simulators by emulating signals that simulate current and future air defense and threat radars.

FY08 GWOT JUSTIFICATION: The AF's most advanced weapons platforms must train against the most lethal anti-access threats in order to ensure access to the combat area. FY08 GWOT funding will accelerate "double-digit" threat capability for the Joint Threat Emitter (JTE) by one year, allowing system deployment in FY11 and providing the most realistic training environment for our newest combat aircraft.

This program is in Budget Activity 5 - Systems Development and Demonstration because the Combat Training Ranges (CTR) Program directly contributes to the effectiveness and survivability of US combat forces by training capabilities to simulate real combat conditions to prepare the warfighter for actual combat.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Accelerates double-digit threat capability (most advanced ground-to-air threats) for the Joint Threat Emitter (JTE). Deploys double-digit capable JTE in FY11, one year earlier than current plan. Allows most realistic training for aircrews and emerging weapons platforms, like F-22A and JSF, soonest.			0.000	10.000
(U) Total Cost	0.000	0.000	0.000	10.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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 acquisition strategy is competitive, with cost plus and fixed price contracts.

(U) E. Major Performers

(Major contractors, universities, colleges, government facilities, federally funded research and development centers, laboratories, or other organizations)

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0604735F Combat Training Ranges

PROJECT NUMBER AND TITLE

**2286 Combat Training Range
Equipment**

contributing to this effort that received 15% or over \$10 million.)

Name/Title

Location

Work

Projected Award Date

(U)

Project 2286

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Exhibit R-2a (PE 0604735F)

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE					
05 System Development and Demonstration (SDD)			0604735F Combat Training Ranges						2286 Combat Training Range Equipment					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u> Modern Technologies Corp (JTE)	CPAF									9.000			9.000	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		9.000		0.000	9.000	0.000
Remarks:														
(U) <u>Support</u> OO/ALC/LH, Hill AFB, UT	Various									0.700			0.700	
AAC/RISS, Eglin AFB, FL	Various									0.300			0.300	
Subtotal Support			0.000	0.000		0.000		0.000		1.000		0.000	1.000	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		10.000		0.000	10.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

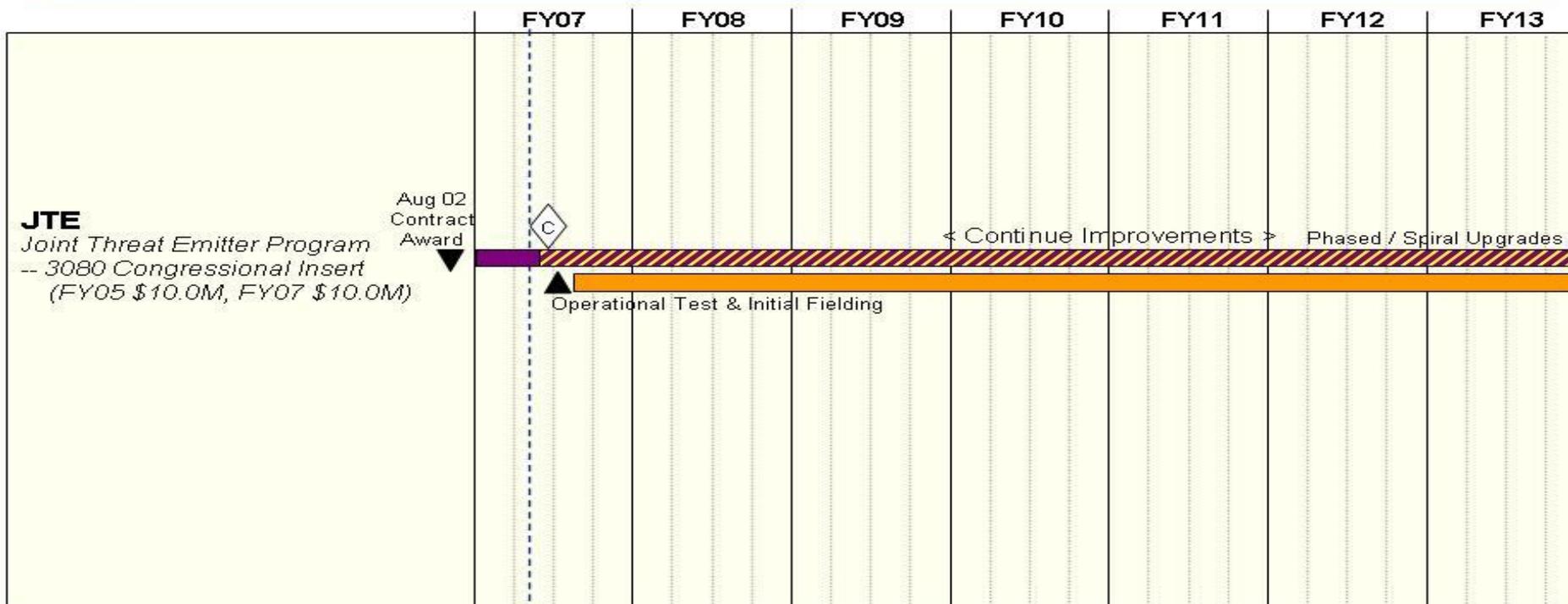
BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0604735F Combat Training Ranges

PROJECT NUMBER AND TITLE
2286 Combat Training Range Equipment



Joint Threat Emitter Schedule



- Concept activities
- Design / development
- Integration / test
- Production / fielding
- Operations / sustainment
- Key events

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Exhibit R-4a, RDT&E Schedule Detail		DATE September 2007
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0604735F Combat Training Ranges	PROJECT NUMBER AND TITLE 2286 Combat Training Range Equipment
<p>(U) Schedule Profile</p> <p>(U) JTE Development</p> <p>(U) -- Initial Developmental Contract Award</p> <p>(U) -- Spiral Development and Continue Improvements</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="center"><u>FY08 GWOT</u></p> <p align="right">2-4Q</p>

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0207450F E-10 Squadrons
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	178.390	0.000	0.000	0.000	Continuing	TBD
5131 Airframe	0.000	0.000	0.000	53.500	0.000	0.000	0.000	Continuing	TBD
5132 Sensors	0.000	0.000	0.000	124.890	0.000	0.000	0.000	Continuing	TBD

(U) Remark: Direction to terminate the E-10 Program (Project 5131 - Airframe), as well as the E-10 portion of the MP-RTIP radar development (part of Project 5132 - Sensors), is expected during FY07. FY08 PB includes funding to complete Global Hawk MP-RTIP Development Units (DU).

(U) A. Mission Description and Budget Item Justification

The E-10 was intended as a key node of the C2 Constellation (see PE 0207449F) bringing operational command and control to the joint warfighter through the use of advanced sensors, sensor fusion, network-centric warfare and high-speed, wide-band communications systems. The E-10 aircraft series would have employed both on-board and off-board sensors, communications, data links, and battle management integration software to execute the full range of military operations. The E-10 would have interfaced with multi-Service ground/air/space-based sensors, intelligence and communications assets to shorten the decision cycle for combat operations. The E-10 would have enabled the detection, designation, and prosecution of time critical targets by providing battlespace situational awareness. The result would have been weapons-quality target cueing for joint and coalition shooters to engage time sensitive cruise missiles and other fleeting high-priority targets.

The E-10A, equipped with the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar, would have delivered a focused Air Moving Target Indicator (AMTI) capability for Cruise Missile Defense (CMD); an advanced, next-generation Ground Moving Target Indicator (GMTI) and Synthetic Aperture Radar (SAR) imaging capability for surface surveillance; and an open-system architecture to facilitate dynamic Battle Management, Command & Control (BMC2) with growth potential for Unmanned Aerial Vehicle (UAV) control, space radar interface and Intelligence, Surveillance and Reconnaissance (ISR) management functions. The initial spiral of E-10A Increment 1 would have delivered the core capability to perform the focused AMTI and GMTI missions to include data processing and advanced communications links. Future spirals within E-10A Increment 1 were envisioned to incorporate sensor fusion, advanced battle management functions, UAV control, space radar integration and laser communications, while future E-10 increments were envisioned to incorporate advanced sensors for air surveillance operations.

The MP-RTIP program will also provide a radar for a robust Global Hawk reconnaissance capability. The MP-RTIP equipped Global Hawk defines the Global Hawk Block 40 configuration which provides persistent ISR, including GMTI, SAR imaging, and limited AMTI capabilities. Global Hawk Block 40 will not provide a CMD capability. MP-RTIP will continue to support NATO Alliance Ground Surveillance (AGS) radar conceptual design and early decision analysis activities to support OSD's strategy for the United States' involvement in the NATO AGS program.

This program is categorized as Budget Activity (BA) 5 to reflect a program in System Development and Demonstration (SDD). MP-RTIP entered SDD in FY04; the E-10A program is in the Pre-SDD, or Technology Development, phase with the testbed aircraft supporting flight test for the MP-RTIP SDD program. A decision to terminate the E-10A Program and associated E-10A MP-RTIP Wide Area Surveillance radar development is expected during FY07.

FY08 GWOT Justification:

Funds could possibly be used to implement the acceleration of the development of deferred or previously removed radar modes for the MP-RTIP (SDD) program. These

Exhibit R-2, RDT&E Budget Item Justification

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BUDGET ACTIVITY

05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE

0207450F E-10 Squadrons

funds could also be used to possibly investigate and develop new radar modes for the MP-RTIP (SDD) program. Additionally, funds could possibly be used to investigate development of the Battle Management, Command and Control (BMC2) open-system architecture and support studies for the MP-RTIP family of scalable radars on other possible platforms that had been deferred. These funds could also be used to possibly make the final Boeing 767-400ER payment.

Exhibit R-2a, RDT&E Project Justification

DATE
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BUDGET ACTIVITY 05 System Development and Demonstration (SDD)					PE NUMBER AND TITLE 0207450F E-10 Squadrons		PROJECT NUMBER AND TITLE 5131 Airframe		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5131 Airframe	0.000	0.000	0.000	53.500	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) 1. Direction to terminate the E-10 program (Project 5131 - Airframe) is expected during FY07.

(U) 2. FYDP RDT&E Article Deliveries:

FY 2008: 1 E-10A Testbed Aircraft (Commercial 767-400ER delivered in FY 2008)

(U) A. Mission Description and Budget Item Justification

This project would have established to design, develop, and integrate modifications to a wide-body aircraft to host multiple sensor configurations with integrated Battle Management Command & Control (BMC2). The E-10 was intended as a key node of the C2 Constellation (see PE 0207449F) bringing operational command and control to the joint warfighter through the use of advanced sensors, sensor fusion, network-centric warfare and high-speed, wide band communications systems. The E-10 aircraft series would have employed both on-board and off-board sensors, communications, data links, and battle management integration software to execute the full range of military operations. The E-10 would have interfaced with multi-Service ground/air/space-based sensors, intelligence and communications assets to shorten the decision cycle for combat operations. The E-10 would have enabled the detection, designation, and prosecution of time critical targets by providing battlespace situational awareness. The result would have been weapons-quality target cueing for joint and coalition shooters to engage time sensitive cruise missiles and other fleeting high-priority targets.

The E-10A, equipped with the Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar, would have delivered a focused Air Moving Target Indicator (AMTI) capability for Cruise Missile Defense (CMD); an advanced, next-generation Ground Moving Target Indicator (GMTI) and synthetic Aperture Radar (SAR) imaging capability for surface surveillance; and an open-system architecture to facilitate dynamic BMC2 with growth potential for Unmanned Aerial Vehicle (UAV) control, space radar interface and Intelligence, Surveillance and Reconnaissance (ISR) management functions. The initial spiral of E-10A's Increment 1 would have delivered the core capability to perform the focused AMTI and GMTI missions to include data processing and advanced communications links. Future spirals within E-10A Increment 1 were envisioned to incorporate sensor fusion, advanced battle management functions, UAV control, space radar integration and laser communications, while future E-10 increments were envisioned to incorporate advanced sensors for air surveillance operations.

The E-10 technology development program's primary objectives was to conduct developmental flight test and verification of the MP-RTIP Wide Area Surveillance (WAS) radar capability and demonstrate the end-to-end cruise missile defense capabilities of the MP-RTIP WAS radar and associated BMC2.

Funds in this project would have been used to: (1) incrementally fund the purchase of a Boeing 767-400ER aircraft to serve as the testbed for the wide-area surveillance "large-sized" variant of the MP-RTIP radar system, (2) design, develop, and modify the "green"commercial 767-400ER platform to provide the technology testbed, (3) support Weapon System Integration activities to include development of key BMC2 communications and computing applications to prove out the MP-RTIP radar and establish future BMC2 architectures for the E-10A, (4) pursue future studies/spiral development to support continuous improvement and implementation of Command & Control, Intelligence, Surveillance, and Reconnaissance (C2ISR) capabilities.

This program is categorized as Budget Activity (BA) 5 to reflect a program in Technology Development (Pre-System Development and Demonstration (Pre-SDD)), with

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
05 System Development and Demonstration (SDD)				0207450F E-10 Squadrons					5131 Airframe					
(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	FY07 GWOT Award Date	FY08 GWOT Cost	FY08 GWOT Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u>														
FY 08 GWOT Supplemental: Weapon System Integration (WSI) and Battle Management Command & Control (BMC2)	SS/CPAF	Northrop Grumman Corporation; Melbourne, FL								53.500			53.500	
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		53.500		0.000	53.500	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
													0.000	
													0.000	
													0.000	
													0.000	
Subtotal Test & Evaluation			0.000	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		53.500		0.000	53.500	0.000
Remarks:	FY2003 and FY2004 reflected in PE 0207449F C2 Constellation, Project 5064 (Airframe).													

Exhibit R-4, RDT&E Schedule Profile

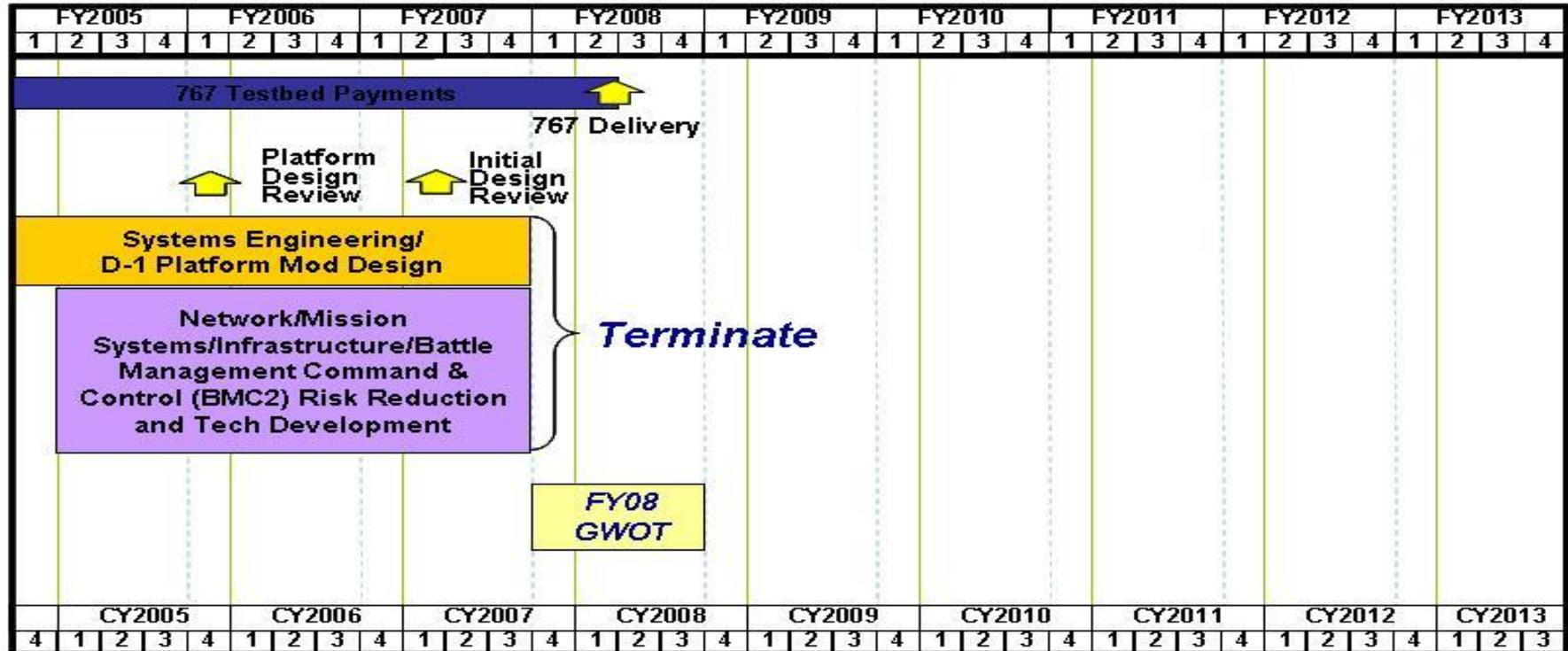
DATE
September 2007

BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0207450F E-10 Squadrons

PROJECT NUMBER AND TITLE
5131 Airframe

E-10A Program Pre-SDD – Technology Development



As of 24 Jan 07

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0207450F E-10 Squadrons	PROJECT NUMBER AND TITLE 5131 Airframe
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(U) Schedule Profile	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Battle Management Command and Control Architecture development				1-4Q
(U) Future studies				1-4Q

Project 5131

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Page-7 of 12

Exhibit R-4a (PE 0207450F)

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Exhibit R-2a, RDT&E Project Justification								DATE September 2007	
BUDGET ACTIVITY 05 System Development and Demonstration (SDD)				PE NUMBER AND TITLE 0207450F E-10 Squadrons			PROJECT NUMBER AND TITLE 5132 Sensors		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5132 Sensors	0.000	0.000	0.000	124.890	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0		
(U) Remarks:									
1. Direction to terminate the E-10 portion of the MP-RTIP radar development is expected during FY07. FY08 PBR includes funding to complete the Global Hawk MP-RTIP Development Units (DU).									
(U) 2. FYDP RDT&E Article Deliveries:									
FY 2006: 1 Global Hawk (GH) Development Unit (DU) radar for integration									
FY 2007: 1 GH DU radar for integration									
FY 2007: 1 GH DU radar emulator to support RQ-4B platform system integration									
FY 2008: 1 GH DU radar for radar lab mode checkout and troubleshooting									
(U) <u>A. Mission Description and Budget Item Justification</u>									
This project is established to develop a family of modular, scalable next generation sensors for multiple platforms to support network centric operations with integrated intelligence, surveillance, and reconnaissance capability.									
The Multi-Platform Radar Technology Insertion Program (MP-RTIP) radar, a modular, scalable, two-dimensional active electronically scanned array (2D-AESA) radar, is the sensor capability of the E-10A Increment 1 weapon system to provide cruise missile defense and improved ground moving target indicator (GMTI)/synthetic aperture radar (SAR) imaging. The Global Hawk variant is the smaller sensor providing the sensor capability for Global Hawk Block 40. Direction to terminate the E-10A portion of the MP-RTIP development is expected during FY07.									
Funds in this project will be used for the development, fabrication, and test of the MP-RTIP sensor capabilities. The project also continues to support NATO Alliance Ground Surveillance (AGS) conceptual design and early design development activities.									
This project is categorized as Budget Activity (BA) 5 to reflect a program in System Development and Demonstration (SDD).									
FY08 GWOT Justification:									
Funds could possibly be used to implement the acceleration of the development of deferred or previously removed radar modes for the MP-RTIP (SDD) program. Additionally, these funds could be used to possibly investigate and develop new radar modes for the MP-RTIP (SDD) program.									
(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>									
(U)	Continue MP-RTIP design and development of radars for integration on the E-10A and Global Hawk target platforms				<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>	124.890
(U)									
(U)									
(U)									
Project 5132				R-1 Line Item No. 98	Page-8 of 12	Exhibit R-2a (PE 0207450F)			

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Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0207450F E-10 Squadrons	PROJECT NUMBER AND TITLE 5132 Sensors
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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>FY08 GWOT</u>
(U) Total Cost	0.000	0.000	0.000	124.890

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**
 The existing MP-RTIP program supported the evolutionary acquisition of the E-10A and Global Hawk by providing sensors for Increment 1 of the E-10A and Block 40 of the Global Hawk. Post E-10 termination, the MP-RTIP plans to provide 3 Global Hawk RDT&E sensors. The Global Hawk program will fund MP-RTIP production sensors for the operational Global Hawk Block 40 platforms.

(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 Corporation			

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
05 System Development and Demonstration (SDD)				0207450F E-10 Squadrons						5132 Sensors				
(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	FY07 GWOT Award Date	FY08 GWOT Cost	FY08 GWOT Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u>														
MP-RTIP mode development and future studies	SS/CPAF	Northrop Grumman Corporation; El Segundo, CA								124.890			124.890	
	Various												0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		124.890		0.000	124.890	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
	SS/T&M MIPR												0.000	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Management</u>														
	Various SS/CPFF												0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		124.890		0.000	124.890	0.000
Remark: FY 2002 and prior reflected in PE 0207581F, Joint STARS														
FY 2003 and FY 2004 reflected in PE 0207449F C2 Constellation, Project 5065 (Sensors)														
FY08 GWOT Justification: Funds could possibly be used to implement the acceleration of the development of deferred or previously removed radar modes for the Technology Development (pre-SDD) program MP-RTIP (SDD) program.														

Exhibit R-4, RDT&E Schedule Profile

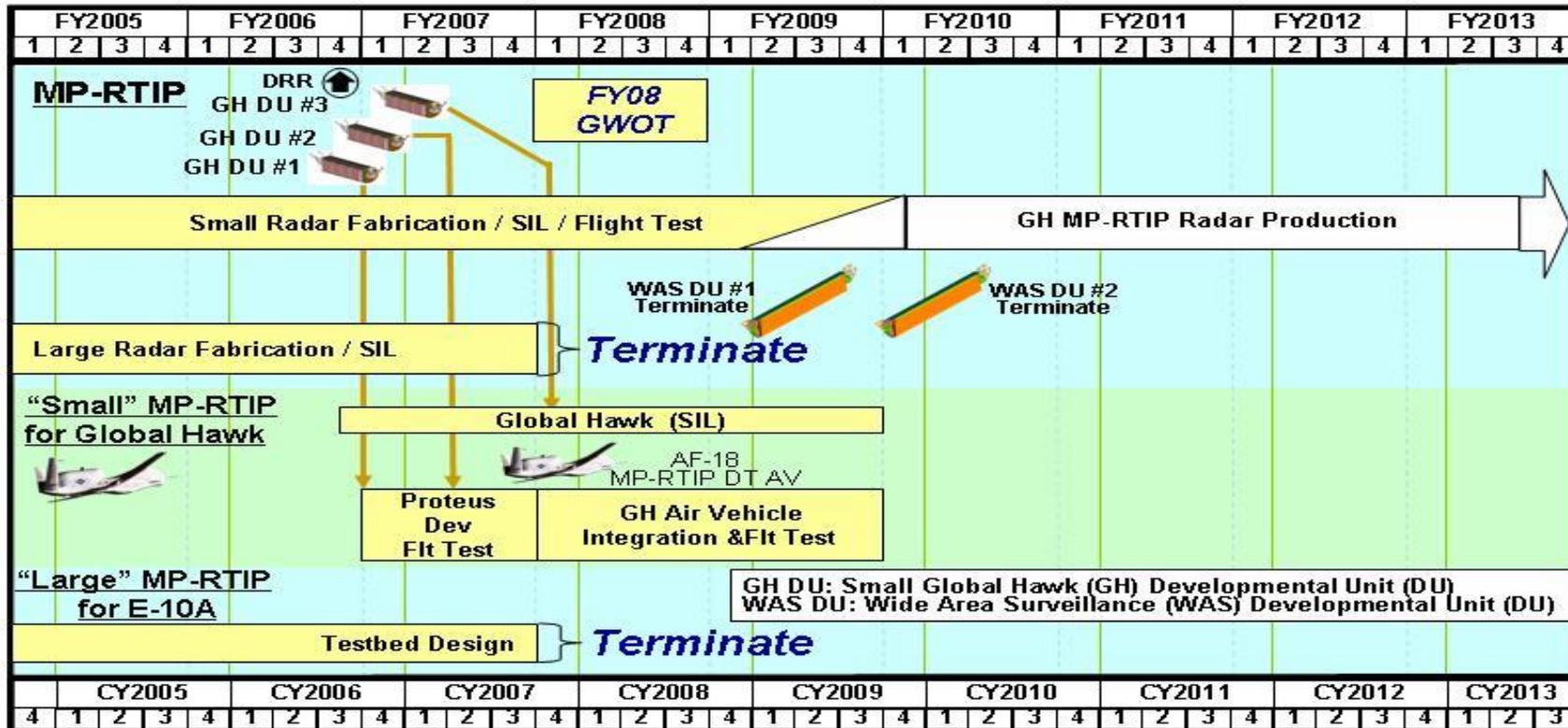
DATE
September 2007

BUDGET ACTIVITY
05 System Development and Demonstration (SDD)

PE NUMBER AND TITLE
0207450F E-10 Squadrons

PROJECT NUMBER AND TITLE
5132 Sensors

MP-RTIP System Development and Demonstration (SDD)



As of 24 Jan 07

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 05 System Development and Demonstration (SDD)	PE NUMBER AND TITLE 0207450F E-10 Squadrons	PROJECT NUMBER AND TITLE 5132 Sensors
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(U) Schedule Profile	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Mode development				1-4Q
(U) Future studies				1-4Q

Project 5132

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Exhibit R-4a (PE 0207450F)

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PE NUMBER: 0401845F
 PE TITLE: SLC3S-A (Senior Leader C3S)

Exhibit R-2, RDT&E Budget Item Justification								DATE September 2007	
BUDGET ACTIVITY 06 RDT&E Management Support				PE NUMBER AND TITLE 0401845F SLC3S-A (Senior Leader C3S)					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	11.700	0.000	0.000	0.000	0.000	0.000
5273 SLC3S-A Standard Communications Package	0.000	0.000	0.000	11.700	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

The Senior Leader Command, Control, and Communications System - Airborne (SLC3S-A) provides executive airborne communications supporting world-wide command and control capabilities to US government senior leaders (i.e., the President of the United States (POTUS); Vice President of the United States (VPOTUS); Secretary of Defense (SECDEF); Secretary of State (SECSTATE); Chairman, Joint Chiefs of Staff (CJCS); Unified Combatant Commanders (COCOMs); and other government senior leaders). The SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT).

Currently, every Operational Support Aircraft (OSA), VIP/SAM aircraft, Distinguished Visitor (DV) configured aircraft comes with its own, unique communications suite. National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This project will standardize the back-end, communications architecture and provide common capabilities and functionality.

This program is in budget activity 6, Management Support, because it funds institutional infrastructure resources (civilian, aircraft, and facilities)

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 06 RDT&E Management Support					PE NUMBER AND TITLE 0401845F SLC3S-A (Senior Leader C3S)		PROJECT NUMBER AND TITLE 5273 SLC3S-A Standard Communications Package			
	Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5273	SLC3S-A Standard Communications Package	0.000	0.000	0.000	11.700	0.000	0.000	0.000	0.000	0.000
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

The Senior Leader Command, Control, and Communications System - Airborne (SLC3S-A) provides executive airborne communications supporting world-wide command and control capabilities to US government senior leaders (i.e., the President of the United States (POTUS); Vice President of the United States (VPOTUS); Secretary of Defense (SECDEF); Secretary of State (SECSTATE); Chairman, Joint Chiefs of Staff (CJCS); Unified Combatant Commanders (COCOMs); and other government senior leaders). The SLC3S-A capabilities include secure and non-secure voice, data, and video connectivity into Defense Information System Network/Global Information Grid, Defense Switched Network, Defense Red Switch Network, Voice Over Secure Internet Protocol Networks, National Security Council's Crisis Management System, and commercial networks up to the Top Secret/Sensitive Compartmented Information security classification level. These capabilities are used daily by the Senior Leaders to carry out their duties and responsibilities in support of the Global War on Terrorism (GWOT).

Currently, every Operational Support Aircraft (OSA), VIP/SAM aircraft, Distinguished Visitor (DV) configured aircraft comes with its own, unique communications suite. National Senior Leaders require 100% secure voice and data capability from general planning and strategy discussions to directing command decisions. The security, reliability, and availability of the SLC3S-A services determine America's victories or setbacks on the GWOT battlefield. This project will standardize the back-end, communications architecture and provide common capabilities and functionality.

This program is in budget activity 6, Management Support, because it funds institutional infrastructure resources (civilian, aircraft, and facilities)

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>	
(U) Build, Integrate, and Test standard SLSC3S Communications Package (SCP) Proof-of-Concept prototype with required software development; (Gov. Test Agencies included here)					4.900
(U) Development of standard SCL3S communication package requirements; associated data items; training					1.400
(U) System Engineering, Software Development, Certifications					2.500
(U) Program Management					1.100
(U) SPO Support (MITRE, A&AS) and Travel					1.800
(U) Total Cost	0.000	0.000	0.000		11.700

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) PE 0401845F, Senior Leader Communications									

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY
06 RDT&E Management Support

PE NUMBER AND TITLE
**0401845F SLC3S-A (Senior Leader
C3S)**

PROJECT NUMBER AND TITLE
**5273 SLC3S-A Standard
Communications Package**

(U) D. Acquisition Strategy

Award multiple, competitive contract vehicles. Emphasize off-the-shelf technology, and maximize use of non-developmental items (NDIs).

(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>
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PE NUMBER: 0605807F
 PE TITLE: Test and Evaluation Support

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0605807F Test and Evaluation Support
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	6.250	0.000	0.000	22.115	0.000	0.000	0.000	Continuing	TBD
06TS Test and Evaluation Support	6.250	0.000	0.000	22.115	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

FY08 GWOT funds supporting Test & Evaluation (T&E) civilians deployed to Iraq to support OIF. Estimates include overtime, post differential, and danger pay.

Exhibit R-2a, RDT&E Project Justification

DATE
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BUDGET ACTIVITY 06 RDT&E Management Support					PE NUMBER AND TITLE 0605807F Test and Evaluation Support		PROJECT NUMBER AND TITLE 06TS Test and Evaluation Support		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
06TS Test and Evaluation Support	6.250	0.000	0.000	22.115	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

FY08 GWOT funds supporting Test & Evaluation (T&E) civilians deployed to Iraq to support OIF. Estimates include overtime, post differential, and danger pay.

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

FY06 GWOT FY07 Title IX FY07 GWOT FY08 GWOT

(U) Accomplishments/Planned Program:

(U) Provide infrastructure to support testing of DoD, other Government Agencies, FMS and commercial weapon systems.

(U) ARNOLD ENGINEERING AND DEVELOPMENT CENTER (AEDC)

(U) Continue institutional test infrastructure support to enable ground testing for classified programs and unclassified programs (JSF-F135/136, F22-F119, B2/U2-F118, F15/F16-F100, A10-TF34-100B, FMS-JDA P-X, JSF, MMA, F/A-18 E/F, JASSM-ER, NASA CLV/CEV, Seek Eagle, Global Hawk, E-2 Hawkeye, SDB, J-UCAS, FALCON-CAV, F-16/F-15/F-22 Derivatives, Minuteman III PRP, Peacekeeper RSLP, MM-RVAP, Trident II-NSWC RSAP, Classified RS, ARROW, PAC-3, Space Shuttle, HyTECH SED, F22, Seek Eagle, Threat Airborne Simulator, CHSSI, Inlet/Eng Integration, T&E S&T Support, MSIC, ABL, Airborne Sensors, Tactical Tomahawk, Navy T45/F405, F414, Commercial-Genx/Trent 1000, Trident II/LMSSC Cables, AFSPC and AFRL Programs, MDA-NSM/KEI/GBI/THAAD/HFDP/PURE/Data Center/DES/and Exo-Experiments.

(U) Utilities.

(U) Contractor Services (in-house contract support activities).

(U) T&E Civilian Pay.

0.300

(U) AIR FORCE FLIGHT TEST CENTER (AFFTC)

(U) Continue to provide institutional test infrastructure support enabling testing of the B-1B, B-2, B-52 F-16, F-15, F-15E, F-22, F-117, F-35, C-17, CV-22, ATIC, ECCM, ABL, Predator, Global Hawk, etc.) communications, information systems, and classified programs. Operate the USAF Test Pilot School. Significant increase from FY04 to FY05/06/07 reflects the planned execution of a "direct conversion" of previously identified A-76 study personnel (mil to civ) into a High Performance Organization (HPO) manned by civilians. FY06 increase includes \$50M for specific KC-135 aircraft modifications to provide airborne communications and a secure communications test bed. FY06/07 increases are a direct result of the FY03 NDAA zero base transfers (ZBT) for indirect test costs.

(U) Utilities.

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Project 06TS

Exhibit R-2a (PE 0605807F)

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Exhibit R-2a, RDT&E Project Justification

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BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0605807F Test and Evaluation Support	PROJECT NUMBER AND TITLE 06TS Test and Evaluation Support
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(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Contractor services (in-house contract support activities)				
(U) T&E Civilian Pay				
(U) Aircraft flying costs include test, test support and pilot proficiency for sustained readiness. Costs include programmed depot maintenance (PDM), engine overhauls, petroleum, oils and lubricants (POL), depot level repairables (DLR); fuel and fuel price increase; and related support.	3.375			
(U) AIR ARMAMENT CENTER (AAC) 46th Test Wing (TW)				
(U) Continue institutional test infrastructure support for non-nuclear air armaments (JASSM, SEEK EAGLE, WCMD, F-22, AIM9X, AMRAAM, ASRAAM, Hellfire, PATRIOT, DIRCM, AAV, UCAF, etc.); C2 (TMBCS, Link 16, BISS, and aircraft software upgrades (AFMSS), etc).	1.875			
(U) Utilities.				
(U) Contractor Services (in-house contract support activities).				
(U) T&E Civilian Pay				
(U) Aircraft flying hours costs include: pilot proficiency flying for sustained readiness; deferred and projected programmed depot maintenance (PDM); engine overhauls; petroleum, oils, and lubricants (POL); depot level repairables (DLR); fuel and fuel price increases; and related support. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals. Funds proficiency flying to minimum levels allowing AAC 46TW to meet proficiency flying goals and funds the aircraft infrastructure to also support test flying requirements.	1.000			
(U) Total Cost	6.250	0.000	0.000	0.300

(U) C. Other Program Funding Summary (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Related RDT&E: PE 0604759F, Major T&E Investment; PE 0604256F Threat Simulator Development; PE 0604940D, Central T&E Investments; PE 0605976F, Facility Restoration and Modernization - T&E and PE 0605978F Facility Sustainment -T&E Support									

(U) D. Acquisition Strategy
Not applicable.

(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>
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Exhibit R-2a, RDT&E Project Justification

DATE

September 2007

BUDGET ACTIVITY

06 RDT&E Management Support

PE NUMBER AND TITLE

0605807F Test and Evaluation Support

PROJECT NUMBER AND TITLE

06TS Test and Evaluation Support

(U)

Project 06TS

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Exhibit R-2a (PE 0605807F)

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PE NUMBER: 0605976F
 PE TITLE: Facility Restoration and Modernization - T&E

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BUDGET ACTIVITY 06 RDT&E Management Support				PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	4.500	0.000	0.000	1.610	0.000	0.000	0.000	Continuing	TBD
06MC Facility Restoration and Modernization - T&E	4.500	0.000	0.000	1.610	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are not included.

These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB. The activities were funded within PE 0605807F, Test and Evaluation Support prior to FY 2004.

FY 2005 includes \$4.500M to restore and modernize the National Full-scale Aerodynamic Complex (NFAC) located at NASA's Ames Research Center, California from its current mothball condition to an operational capability starting in FY 2005. FY 2005 includes \$17.800M Hurricane Ivan supplemental funds to repair storm damage. Restoration activities include repair and replacement work to restore damaged facilities due to failure attributable to inadequate sustainment, excessive age, or other causes.

This program element is in Budget Activity 6, RDT&E Management Support, because it funds the restoration/modernization of the institutional test infrastructure at the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

FY08 TITLE IV JUSTIFICATION:

None

FY08 GWOT JUSTIFICATION:

Repair of Holloman High Speed Test Track because of increased hard target testing due to OEF.

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BUDGET ACTIVITY 06 RDT&E Management Support				PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E			PROJECT NUMBER AND TITLE 06MC Facility Restoration and Modernization - T&E		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
06MC Facility Restoration and Modernization - T&E	4.500	0.000	0.000	1.610	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

Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are not included.

These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB. The activities were funded within PE 0605807F, Test and Evaluation Support prior to FY 2004.

FY 2005 includes \$4.500M to restore and modernize the National Full-scale Aerodynamic Complex (NFAC) located at NASA's Ames Research Center, California from its current mothball condition to an operational capability starting in FY 2005. FY 2005 includes \$17.800M Hurricane Ivan supplemental funds to repair storm damage. Restoration activities include repair and replacement work to restore damaged facilities due to failure attributable to inadequate sustainment, excessive age, or other causes.

This program element is in Budget Activity 6, RDT&E Management Support, because it funds the restoration/modernization of the institutional test infrastructure at the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

FY08 TITLE IV JUSTIFICATION:

None

FY08 GWOT JUSTIFICATION:

Repair of Holloman High Speed Test Track because of increased hard target testing due to OEF.

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

FY06 GWOT FY07 Title IX FY07 GWOT FY08 GWOT

(U) Accomplishments/Planned Program:

(U) 46TG: GWOT, Repair test track roads damaged due to increased hard target testing in support of OEF. 1.610

(U) 46TW: GWOT/Hurricane Supplement 4.500

(U) Restoration and modernization funds were previously within PE 0605807F, T&E Support and restoration and modernization planning and design prior to FY 2004.

(U) 46TG: Projects include Kranko drive upgrade at NRTF, main site power validation/repair at NRTF, repaving

Exhibit R-2a, RDT&E Project Justification		DATE September 2007
BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E	PROJECT NUMBER AND TITLE 06MC Facility Restoration and Modernization - T&E
<p>(U) B. Accomplishments/Planned Program (\$ in Millions)</p> <p>camera pad/connector roads at 846th TS, and general restoration and modernization planning and design.</p> <p>(U) 4TG: Restoration/Modernization of test unique infrastructure at the 46th TG. Projects include Rail refurbishment at Holloman High Speed Test Track (HHSTT) ,and Hangar Door Installation at 586 Flight Test Squadron (FTS), and general restoration and modernization planning and design.</p> <p>(U) 46TG: Restoration/Modernization of test unique infrastructure at the 46th TG. Projects include Rams Range Surface Reseal and Pit 3 440 volt cable replacement at the National Radar Test Facility (NRTF), Building 1265 Renovations, Building 1261 Fire Alarm System and Roof Repair at 746 Test Squadron (TS), Building 1026 Auto Electric sliding gate and pave taxiway D at 586 FTS, and insulate HVAC in building 1604 at HHSTT, and general restoration and modernization planning and design..</p> <p>(U) 46TW: The 46th Test Wing has an excess of 200 restoration/modernization projects effecting T&E facilities to include but not limited to the following categories: roofing, windows & doors, roads, fire protection, erosion, and HVAC. Some of these restoration/modernization projects include Bldg 8320-replacing seawall, Bldg 8550-replacing HVAC, Bldg 9270-refilling seawall, Bldg 9292-replacing soil around building foundation, Bldg 12722-replacing septic tank, Bldg 12722-replacing AC, Bldg 9403-inspecting and replacing tower bolts, Climatic Laboratory (Bldg 440) - repairing roof leaks, Climatic Laboratory (Bldg 440) - replacing existing asphalt roadway, Climatic Laboratory (Bldg 440) - refurbishing two main chamber doors, Climatic Laboratory (Bldg 440) - replacing corrosion piping for air makeup #1, Bldg 955-repairing Range Road 234, Bldg 68-repairing/replacing windows, Range Site-renovating Control Bldg, Range Site-providing & installing NEC Infrastructure Communication Power and general restoration and modernization planning and design. FY05 includes \$17.800M Hurricane Ivan supplemental funds to repair storm damage.</p> <p>(U) 46TW: Replace roof of building 9604 at TA C-82. Replace well at TA B-70 control site. D-84 Restoration: build 50 x 50 concrete pad for Chicken Little. Expand compound at A-19. Repair/replace Coupeland tower at TA B-70. C-7 Hangar: erect Calibration Tower at D-3. Consolidation Remote Control Targets Facilities: Restoration of the Electro Optical Evaluation Facility Site C1 (Bldg 8777). Repaint Bldg. 9285 at A-13A. Repaint Bldg. 9287 at A-13A. Corrosion control of stair rails on IHAWK at A-13. Corrosion control of NIKE steel tower at A-13. Replace 20+ year old CATV system between C-7 Control and C-7A Launch Facility with fiber optic cable system. Replace 20+ year old CATV system on Range 72 with fiber optic cable system. Replace fabric on E294, the Hellfire hanger. Replace safety rails on stairs and roof of Bldg 8550. Replace Condenser Coils on 80-Ton Chiller Unit for Radar (Bldg 9960). Repair dock or seawall at Test Site A-10. Enclose heavy equipment pole barn at RMT. Complete construction of paint booth cover at 46TW. Transportation Expansion project: Improve ventilation equipment racks for vehicle. Fabricate a building to accommodate the RHIB boat(s) at building 963 and general restoration and modernization planning and</p>	<p align="center"><u>FY06 GWOT</u> <u>FY07 Title IX</u> <u>FY07 GWOT</u> <u>FY08 GWOT</u></p>	
Project 06MC	R-1 Line Item No. 113 Page-3 of 5	Exhibit R-2a (PE 0605976F)

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BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E	PROJECT NUMBER AND TITLE 06MC Facility Restoration and Modernization - T&E
(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u> <u>FY07 GWOT</u> <u>FY08 GWOT</u>
<p>design.</p> <p>(U) 46TW: Replace roof of building 8970 at TA B-70 control site. Rework parking area to enhance drainage at TA B-70 control site. Install fiber-optic cable to service building 9300 at TA B-70 control site. Refurbish interior of building 9400 at TA B75 control. Paint/refurbish exterior of building 963 and general restoration and modernization planning and design.</p> <p>(U) AEDC: Projects to revitalize the Engine Test Facilities, Propulsion Wind Tunnels, Von Karmon Test Facilities, and the Space and Missile chambers and facilities. Projects to restore and modernize the supporting plant facilities and to perform general planning and design. Also includes large-scale projects that directly support engine development, the Joint Strike Fighter program, hypersonic programs, the Missile Defense Agency, and spacecraft test and evaluation. Starting in FY 2005, program includes funds for the restoration and modernization of the National Full-scale Aerodynamic Complex (NFAC) located at NASA's Ames Research Center, California from the current mothball condition to an operational capability.</p> <p>(U) AFFTC: Projects include expanding fire sprinkler system Bldg 1020 Integrated Facility for Avionics Systems Test (IFAST), upgrading fire alarm panels and detection system in the data acquisition center, repairing radio frequency shielded personnel doors at Bldg 1030 Benefield Anechoic Facility (BAF), designing future facility modifications to IFAST and BAF, replacing control room floor (Bldg 145), replacing roof (Bldg 4795, modifying control rooms 248/249/250 phase 1 (Bldg 1440, replacing UPS (Bldg 5790), installing utility meters (Bldgs 1830 & 1440), paving drainage ditch between spurs 3 & 4 (airfield), abating and resurfacing hangar floor (Bldgs 1630 & 1635), installing tiedowns pad 29 (airfield), repainting taxi lines ramp 12, and general restoration and modernization planning and design.</p> <p>(U) AFFTC: Projects include modifying Mission Control Rooms 248/249/250 in Bldg 1440; installing showers in Bldg 1020; repairing raised computer flooring, Rm 224, Bldg 1020; replacing deluge tank fill line in Bldg 1020; repairing raised computer flooring, Rm 127, Bldg 1020; replacing power distribution units, F-15 Test Bay; installing UPS power, F-16 Test Bay; installing fire detection system in Bldg 4389; installing double door in Bldg 1440; installing addressable alarm system in Bldg 1440; repairing freight elevator in Bldg 1020; repairing/upgrading passenger elevator in Bldg 1020, repairing emergency generator tracking station in Bldg 4970; repairing HVAC in ABL facility Bldg 369); repairing heating in Bldg 1830; and general restoration/modernization planning and design.</p> <p>(U) AFFTC: Projects include repairing HVAC chillers in Bldg 1440; repairing EMCS system interface in Bldg 1440; installing Simulator/Dome Equipment in Bldg 1020; repairing generator in SC Lab (Bldg 1440); replacing of air compressor in Bldg 1830; upgrading conference room A/B in Bldg 1020; and general restoration/modernization planning and design.</p>		
Project 06MC	R-1 Line Item No. 113 Page-4 of 5	Exhibit R-2a (PE 0605976F)

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BUDGET ACTIVITY 06 RDT&E Management Support	PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E	PROJECT NUMBER AND TITLE 06MC Facility Restoration and Modernization - T&E
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(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u> Design Funds for FY06 & contingency for 05: Expanding fire sprinkler system to remove halon (Bldg 1020), maintaining roof of BAF (Bldg 1030), repairing gas and electric meters, installing water meters Bldg 1440, replacing crane in Bldg 1830, repairing/upgrading raised computer flooring Rm 214 (Bldg 1020), replacing Halon 1301 Suppression System (Bldg 1030), modifying Rooms 124, 125, 126 in IFAST Security Office (Bldg 1020), and modifying new generator to alleviate wet-stacking problem (Bldg 4790).	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Total Cost	4.500	0.000	0.000	1.610

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u> <u>Actual</u>	<u>FY07 Title IX</u> <u>Estimate</u>	<u>FY07 GWOT</u> <u>Estimate</u>	<u>FY08 GWOT</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) Other APPN									
(U) FY06 GWOT/Hurricane	4.500								4.500
(U) FY08 TITLE IX		0.000							
(U) FY08 GWOT Supplemental Related RDT&E: PE 0604256F, Threat Simulator Development; PE 0604759F, Major T&E Investment, PE 0604940D, Central T&E Investments, PE 0605807F, Test and Evaluation Support, and PE 0605978F, Facility Sustainment - T&E support.				1.610					1.610

(U) **D. Acquisition Strategy**
Not applicable

(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) None			

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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	FY08 GWOT 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	280.000	0.000	0.000	0.000	Continuing	TBD
4809 A-10 Squadrons (PUP)	0.000	0.000	10.000	280.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The concept of operations for the A-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.

URBAN CAS (Hellfire)

The A-10 requires the capabilities provided by the AGM-114 Hellfire missile which include the following: low-collateral damage; point and shoot; non-coordinate, minimum range capability; short time-of-flight; all-altitude capable, small weapon capability; and precision guided. The initial FY07 GWOT request was approved and provided \$10M for development efforts. Additional funding will provide for a launcher selection as an existing missile launcher is not commercially available.

PROPULSION UPGRADE PROGRAM (PUP)

The A-10 has long been recognized as under-powered. Operations within Afghanistan during Operation ENDURING FREEDOM highlighted this when, because of the high pressure-altitudes and temperatures, it was necessary to download fuel and ordnance to take off safely. PUP will provide an engine "kit" to upgrade various components of the TF-34-100A engine during depot overhaul (higher-flow fan, high-pressure combustor, high-pressure turbine, low-pressure turbine, digital engine controller) resulting in a TF-34-100B that provides increased thrust. PUP also will provide an airframe modification "kit" (cockpit gauges, engine inlet extension, structural enhancements) to accommodate the TF-34-100B engine. The upgraded A-10 with the TF-34-100B engine will provide the ability to takeoff with a fully loaded aircraft (weapons and fuel) at higher pressure-altitudes such as those found in Afghanistan, and also provides for improved survivability with a higher operating altitude and faster climb rate.

In FY04, Congress provided \$3.0M to conduct a study to determine the best way to upgrade the A-10 engines. In FY05, Congress provided an additional \$5.0M that was applied to begin pre-System Development and Demonstration (SDD) Risk Reduction studies and analyses. In FY06, the PUP was given another \$5.0M to continue Pre-SDD Risk Reduction efforts and complete preparations for an Acquisition Milestone B Decision to enter the SDD phase. The Pre-SDD efforts, conducted with the

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BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0207131F A-10 SQUADRONS

A-10 Prime Contractor and the Engine Original Equipment Manufacturer (OEM), examined possible solutions, performed trade studies, refined cost estimates, provided an updated airframe-engine interface control document, qualification plan, and examined the aircraft structural changes required for additional thrust and weight of the engine upgrade concept. PUP was stopped by CSAF in Jun 06 at the conclusion of the Risk Reduction effort. The decision was made due to higher-priority A/OA-10 requirements and limited budget.

The initial six months of execution will entail re-starting the program with the Prime and Engine OEM, updating required acquisition documentation (e.g., Acquisition Strategy, Milestone B Decision, Cost Estimate, Contracting documents), and completing the Milestone B Decision process to award an SDD Contract. The FY08 GWOT Supplemental request of \$230M did not fully fund the anticipated SDD cost of \$275 million. This Amended FY08 GWOT requests an additional \$45M required to complete SDD activity. At present, there is no APAF funding for production and installation of the PUP Kits, nor integrated logistics support elements, estimated at a total of \$2.0 billion.

R-1 Line Item No. 129

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Exhibit R-2 (PE 0207131F)

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Exhibit R-2a, RDT&E Project Justification

DATE
September 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	FY08 GWOT 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	280.000	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 concept of operations for the A-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.

URBAN CAS (Hellfire)

The A-10 requires the capabilities provided by the AGM-114 Hellfire missile which include the following: low-collateral damage; point and shoot; non-coordinate, minimum range capability; short time-of-flight; all-altitude capable, small weapon capability; and precision guided. The initial FY07 GWOT request was approved and provided \$10M for development efforts. Additional funding will provide for a launcher selection as an existing missile launcher is not commercially available.

PROPULSION UPGRADE PROGRAM (PUP)

The A-10 has long been recognized as under-powered. Operations within Afghanistan during Operation ENDURING FREEDOM highlighted this when, because of the high pressure-altitudes and temperatures, it was necessary to download fuel and ordnance to take off safely. PUP will provide an engine "kit" to upgrade various components of the TF-34-100A engine during depot overhaul (higher-flow fan, high-pressure combustor, high-pressure turbine, low-pressure turbine, digital engine controller) resulting in a TF-34-100B that provides increased thrust. PUP also will provide an airframe modification "kit" (cockpit gauges, engine inlet extension, structural enhancements) to accommodate the TF-34-100B engine. The upgraded A-10 with the TF-34-100B engine will provide the ability to takeoff with a fully loaded aircraft (weapons and fuel) at higher pressure-altitudes such as those found in Afghanistan, and also provides for improved survivability with a higher operating altitude and faster climb rate.

In FY04, Congress provided \$3.0M to conduct a study to determine the best way to upgrade the A-10 engines. In FY05, Congress provided an additional \$5.0M that was applied to begin pre-System Development and Demonstration (SDD) Risk Reduction studies and analyses. In FY06, the PUP was given another \$5.0M to continue Pre-SDD Risk Reduction efforts and complete preparations for an Acquisition Milestone B Decision to enter the SDD phase. The Pre-SDD efforts, conducted with the A-10 Prime Contractor and the Engine Original Equipment Manufacturer (OEM), examined possible solutions, performed trade studies, refined cost estimates, provided an

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

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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updated airframe-engine interface control document, qualification plan, and examined the aircraft structural changes required for additional thrust and weight of the engine upgrade concept. PUP was stopped by CSAF in Jun 06 at the conclusion of the Risk Reduction effort. The decision was made due to higher-priority A/OA-10 requirements and limited budget.

The initial six months of execution will entail re-starting the program with the Prime and Engine OEM, updating required acquisition documentation (e.g., Acquisition Strategy, Milestone B Decision, Cost Estimate, Contracting documents), and completing the Milestone B Decision process to award an SDD Contract. The FY08 GWOT Supplemental request of \$230M did not fully fund the anticipated SDD cost of \$275 million. This Amended FY08 GWOT requests an additional \$45M required to complete SDD activity. At present, there is no APAF funding for production and installation of the PUP Kits, nor integrated logistics support elements, estimated at a total of \$2.0 billion.

(U) B. Accomplishments/Planned Program (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) -- Development and integration efforts for Urban CAS			10.000	5.000
(U) -- Pre-SDD preparation, Milestone II preparation, ramp up Prime and Engine OEM -- Development/integration efforts for PUP SDD. Includes ground test, flight test, and associated support				275.000
(U) Total Cost	0.000	0.000	10.000	280.000

(U) C. Other Program Funding Summary (\$ in Millions)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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
 -- PUP development/SDD will be conducted under a TBD type development contract with the A-10 Prime Contractor, and a TBD type development contract with the TF-34-100 engine OEM
 --Urban CAS - continue effort with A-10 Prime Integrator, Lockheed Martin - Owego

(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-08
(U) GE	Lynn, MA	Development & Integration	Jul-08

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 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)	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	FY07 GWOT Award Date	FY08 GWOT Cost	FY08 GWOT Award Date	Cost to Complete	Total Cost	Target Value of Contract		
(U) Product Development																
PROPULSION UPGRADE PROGRAM (PUP)																
TF-34-100B Engine SDD Prep	TBD	GE - Lynn MA								10.000	Jul-08		10.000	0.000		
TF-34-100B Engine Development & Integration	TBD	GE - Lynn MA								130.000	Jul-09		130.000			
Aircraft/Airframe SDD Prep	TBD	Lockheed Martin Systems Integration - Owego NY								5.000	Jun-08		5.000			
Aircraft/Airframe Development & Integration	TBD	Lockheed Martin Systems Integration - Owego NY								120.000	Jul-09		120.000			
URBAN CAS														0.000		
A-10 Integration and Seek Eagle Certification	TBD	Lockheed Martin Systems Integration - Owego NY						10.000	Oct-07	4.000	Jul-08		14.000			
Subtotal Product Development			0.000	0.000		0.000		10.000		269.000		0.000	279.000	0.000		
Remarks:																
(U) Test & Evaluation																
USAF (46th FTS) - PUP	TBD	46th FTS								10.000	Sep-09		10.000			
USAF (40th FTS) - Urban CAS	TBD	40th FTS								1.000	Feb-09		1.000			
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		11.000		0.000	11.000	0.000		
Remarks:																
(U)																
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000		
Remarks:																
(U) Total Cost			0.000	0.000		0.000		10.000		280.000		0.000	290.000	0.000		

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207131F A-10 SQUADRONS

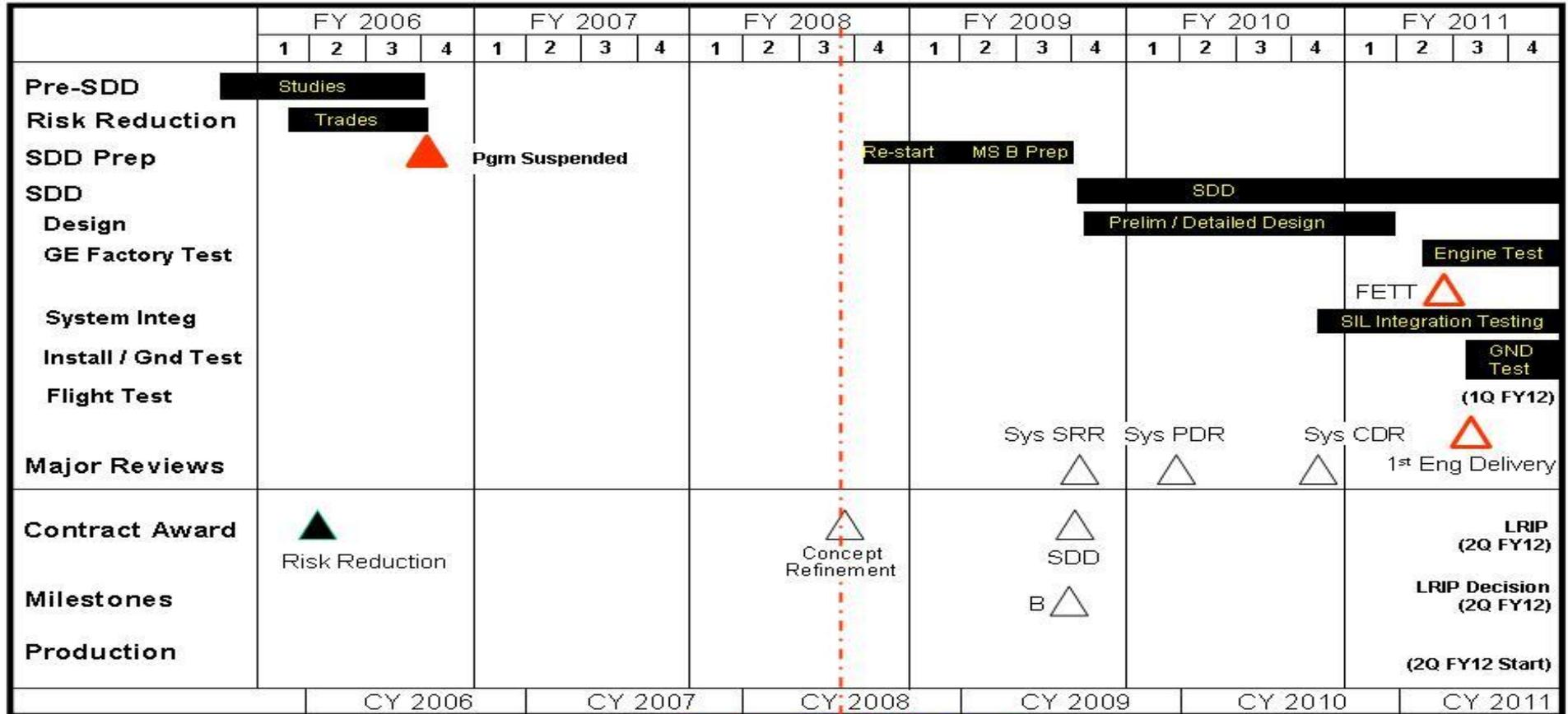
PROJECT NUMBER AND TITLE
4809 A-10 Squadrons (PUP)



PUP Master Schedule



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



Receive FY08 GWOT Funding

1/23/2007

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Exhibit R-4 (PE 0207131F)

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Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

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) Schedule Profile	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Urban CAS (Hellfire) CDR				3Q
(U) A-10 PUP SDD Prep				3Q

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207133F F-16 SQUADRONS
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	55.300	0.000	0.000	0.000	Continuing	TBD
2671 F-16 Squadrons (SLOS)	0.000	0.000	0.000	55.300	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a fixed-wing, high performance, single-engine fighter aircraft. In its 28-year history, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions such as close air support, combat air patrol, forward air control, battle air interdiction (day/night and all-weather) and suppression of enemy air defenses (SEAD). Also during these years the aircraft has evolved in its capabilities to exploit the advances made in computer, avionics systems, engine, and structures technologies. The F-16 has been selected by more than 20 air forces around the world. Foreign military sales production will continue into the 21st century. The F-16 System Program Office (SPO) develops, integrates, and qualifies systems to enhance the overall performance of the F-16 mission.

FY08 GWOT JUSTIFICATION:

a. The F-16 secure line-of-sight (SLOS) communications modification is in response to a CENTCOM Urgent Operational Need for secure line-of-sight/ single channel ground and airborne radio system (SINCGARS) communication capabilities which can be upgraded to a secure beyond-line-of-sight (BLOS) capability in the future. The F-16 needs a SLOS capability to communicate with many rotary wing and ground maneuver units in the theater of operations and BLOS capability to communicate over long distances with command and control nodes and ground forces in mountainous terrain. To provide a near term capability to address this UON the Air Force plans to modify 72 aircraft with ARC-210 or equivalent radios and associated hardware to provide the SLOS capability within existing budget. The FY08 GWOT funding is to initiate the upgrade to BLOS.

Since the development activities in this PE support an operational aircraft, these development activities are funded in the Operational System Development budget activity 7.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207133F F-16 SQUADRONS		PROJECT NUMBER AND TITLE 2671 F-16 Squadrons (SLOS)		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2671 F-16 Squadrons (SLOS)	0.000	0.000	0.000	55.300	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 F-16 Fighting Falcon is the world's premier multi-mission fighter. It is a fixed-wing, high performance, single-engine fighter aircraft. In its 28-year history, the F-16 has proven itself in combat in a variety of air-to-air and air-to-surface missions such as close air support, combat air patrol, forward air control, battle air interdiction (day/night and all-weather) and suppression of enemy air defenses (SEAD). Also during these years the aircraft has evolved in its capabilities to exploit the advances made in computer, avionics systems, engine, and structures technologies. The F-16 has been selected by more than 20 air forces around the world. Foreign military sales production will continue into the 21st century. The F-16 System Program Office (SPO) develops, integrates, and qualifies systems to enhance the overall performance of the F-16 mission.

FY08 GWOT JUSTIFICATION:

a. The F-16 secure line-of-sight (SLOS) communications modification is in response to a CENTCOM Urgent Operational Need for secure line-of-sight/ single channel ground and airborne radio system (SINCGARS) communication capabilities which can be upgraded to a secure beyond-line-of-sight (BLOS) capability in the future. The F-16 needs a SLOS capability to communicate with many rotary wing and ground maneuver units in the theater of operations and BLOS capability to communicate over long distances with command and control nodes and ground forces in mountainous terrain. To provide a near term capability to address this UON the Air Force plans to modify 72 aircraft with ARC-210 or equivalent radios and associated hardware to provide the SLOS capability within existing budget. The FY08 GWOT funding is to initiate the upgrade to BLOS.

Since the development activities in this PE support an operational aircraft, these development activities are funded in the Operational System Development budget activity 7.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) UNR Beyond-Line-of-Sight (BLOS) Secure Communication				7.700
(U) Total Cost	0.000	0.000	0.000	7.700

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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 (3010), Line Item 35, F-16 Mods									
(U) Aircraft Procurement (3010), Line Item 80, Post Production									

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207133F F-16 SQUADRONS	PROJECT NUMBER AND TITLE 2671 F-16 Squadrons (SLOS)
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(U) **C. Other Program Funding Summary (\$ in Millions)**

Support

(U) **D. Acquisition Strategy**

RDT&E funds will primarily be executed to initiate the upgrade from secure line-of-sight to beyond-line-of-sight (BLOS) communications capability to communicate with many rotary wing and ground maneuver units in the theater of operations.

(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) LM Aero	Ft Worth, Tx	T&M	Mar-08

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
07 Operational System Development				0207133F F-16 SQUADRONS					2671 F-16 Squadrons (SLOS)					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
BLOS	T&M	LM Aero								7.700	Mar-08		7.700	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		7.700		0.000	7.700	0.000
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	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	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Rescission</u>														
(U) Total Cost			0.000	0.000		0.000		0.000		7.700		0.000	7.700	0.000
Remarks:														

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207133F F-16 SQUADRONS

PROJECT NUMBER AND TITLE
2671 F-16 Squadrons (SLOS)



F-16 Program Schedule - USAF

U.S. AIR FORCE

	FY 06	FY 07	FY 08	FY 09	FY 10	FY 11	FY 12	FY 13
	OND JFM AM J JAS							
BLOS Integration & Test	M4.1+	M4.2+	M5.1+	M5.2+			M6+	

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207133F F-16 SQUADRONS

PROJECT NUMBER AND TITLE
2671 F-16 Squadrons (SLOS)

(U) **Schedule Profile**
(U) BLOS

FY06 GWOT

FY07 Title IX

FY07 GWOT

FY08 GWOT
2Q

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PE NUMBER: 0207134F
 PE TITLE: F-15E SQUADRONS

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207134F F-15E SQUADRONS
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	97.500	0.000	0.000	0.000	Continuing	TBD
0131 Initial Operational Test and Evaluation	0.000	0.000	0.000	97.500	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

FY 08 GWOT JUSTIFICATION:

F-15E Radar Modernization Program (RMP) will replace the mechanically scanned radar with an Active Electronically Scanned Array (AESA) radar on all 224 F-15E aircraft. The \$36.0M will reduce risk by initiating wideband radome development and the purchase of System Integration Lab (SIL) test assets one year earlier than the approved program. This will move IOC from mid FY 14 to early FY 14, mitigating aircraft grounding issues associated with the obsolete APG-70 radar.

Tactical Targeting Network Technology (TTNT) provides the Air Force with wideband airborne network technology to meet net-centric operational requirements. It will enable the F-15 to transmit and receive imagery, flight, and weapons data from other data terminals. If unfunded, F-15 aircraft would likely be unable to participate in future networked operations, greatly reducing the combat capability and utility of the aircraft.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207134F F-15E SQUADRONS		PROJECT NUMBER AND TITLE 0131 Initial Operational Test and Evaluation		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
0131 Initial Operational Test and Evaluation	0.000	0.000	0.000	97.500	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 08 GWOT JUSTIFICATION:

F-15E Radar Modernization Program (RMP) will replace the mechanically scanned radar with an Active Electronically Scanned Array (AESA) radar on all 224 F-15E aircraft. The \$36.0M will reduce risk by initiating wideband radome development and the purchase of System Integration Lab (SIL) test assets one year earlier than the approved program. This will move IOC from mid FY 14 to early FY 14, mitigating aircraft grounding issues associated with the obsolete APG-70 radar.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) F-15E AESA Radar Block Upgrade				36.000
(U) F-15E Multifunction Information Distribution System-Joint Tactical Radio System (MIDS-JTRS) Incr 2				61.500
(U) Tactical Targeting Network Technology (TTNT)				
(U) Total Cost	0.000	0.000	0.000	97.500

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

	<u>FY06 GWOT</u> <u>Actual</u>	<u>FY07 Title IX</u> <u>Estimate</u>	<u>FY07 GWOT</u> <u>Estimate</u>	<u>FY08 GWOT</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) Aircraft Procurement				158.000					158.000

(U) D. Acquisition Strategy

Program is a continuation of effort which includes the development of all F-15 models. Funds are executed organically in support of equipment improvement, study, analysis, and test.

(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
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
07 Operational System Development				0207134F F-15E SQUADRONS						0131 Initial Operational Test and Evaluation				
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) Product Development														
F-15 E AESA Radar Block Upgrade	CPFF	Boeing, St Louis								36.000			36.000	
F-15E Multifunction Information Distribution System-Joint Tactical Radio System (MIDS-JTRS) Incr 2 Tactical Targeting Network Technology (TTNT)	CPFF	Boeing, St. Louis								61.500			61.500	
Subtotal Product Development			0.000	0.000		0.000		0.000		97.500		0.000	97.500	0.000
Remarks:														
(U) Support														
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Test & Evaluation														
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Management														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost														
			0.000	0.000		0.000		0.000		97.500		0.000	97.500	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207134F F-15E SQUADRONS

PROJECT NUMBER AND TITLE
0131 Initial Operational Test and Evaluation



U.S. AIR FORCE

F-15 FY 08 GWOT MOD Schedule



DOUGHTYRIE AIR FORCE. DESIGN FOR EXCELLENCE...DELIVER TODAY

Program	FY06	FY07	FY08	FY09	FY10	FY11	FY12	FY13	Qty	\$M
RMP			[Yellow dotted pattern]						224	\$36.0
TTNT			[Yellow dotted pattern]			[Cyan vertical lines]	[Cyan dotted pattern]		80	\$61.5
	[Yellow dotted pattern] Dev			[Cyan vertical lines] Prod		[Cyan dotted pattern] Install				

Exhibit R-4a, RDT&E Schedule Detail			DATE September 2007	
BUDGET ACTIVITY	PE NUMBER AND TITLE	PROJECT NUMBER AND TITLE		
07 Operational System Development	0207134F F-15E SQUADRONS	0131 Initial Operational Test and Evaluation		
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) F-15E AESA Radar Block Upgrade Milestone B Decision				3Q
<p align="right">R-1 Line Item No. 131 Page-5 of 5</p>				
Project 0131				Exhibit R-4a (PE 0207134F)

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PE NUMBER: 0207253F
 PE TITLE: Compass Call

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207253F Compass Call								
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	5.600	0.000	0.000	0.000	Continuing	TBD
4804 Compass Call	0.000	0.000	0.000	5.600	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The EC-130H COMPASS CALL aircraft is the USAF's premier wide-area coverage airborne electronic attack and offensive counter information weapon system. It disrupts or denies adversary voice and data communication as well as denies adversary radar reception, hampering the ability to gather information or control forces in the field. COMPASS CALL has been a fielded capability since 1983, however, it must continue to evolve to keep pace with adversary developments in new communications and sensor technology as well as make use of rapidly advancing commercial technology. COMPASS CALL's strength is in employing techniques that allow surgical disruption and denial of adversary systems while preserving use of the same electronic battlespace for friendly and neutral assets. COMPASS CALL's emerging role as a counter improvised explosive device platform in the Global War on Terrorism has significantly raised the Combatant Commander's tasking level of this low density, high demand (LD/HD) system.

This program incorporates advanced capabilities into the operational system to include Block 30, Block 35, and related integration, testing, training, simulation and deploying systems. The evolution of the threat requires developmental investments in a wide range of activities and associated subsystems. These activities include significant effort in the development and operational fielding of the Human Machine Interface (HMI), Special Purpose Emitter Array (SPEAR), and other classified airborne electronic attack capabilities. Activities are also required in the related areas of software, testing and integration, signals analysis, systems engineering integration, countermeasure development for the evolving threat including CIED, mission planning development, Concept of Operations (CONOPS) development, and program planning. RDT&E articles include engineering and manufacturing development units necessary for these systems to evolve to counter emerging threats as well as other subsystems to counter the evolving threats.

Development funds are required to support the baseline development and upgrade strategy used to keep the mission equipment as current as possible in the face of rapidly advancing technology. New and upgraded communications and sensor systems are studied for vulnerabilities. Hardware and software techniques are developed and tested to add or upgrade disruption and denial capabilities to the mission equipment baseline. Rapid developments in support of urgent warfighter needs are fielded as quick reaction capabilities on specific aircraft.

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

FY 08 GWOT JUSTIFICATION

BUY TRAINER AND FUND TRAINING SHORTFALLS. Funds development of the Block 35 upgrade to the COMPASS CALL Mission Crew Simulator (CCMCS). The currently fielded Block 30 CCMCS can only support 50 percent of crew training after FY10. (\$12.5M for modification of the CCMCS Trainer is included in the FY08

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207253F Compass Call
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GWOT Justification for COMPASS CALL Modification funds.) Additionally, the COMPASS CALL system is currently highly tasked to support the global war on terrorism as the Air Force's foremost airborne counter improvised explosive device (CIED) system and the program's training, techniques and procedures development would definitely benefit with a Block 35 configured CCMCS.

The upgraded CCMCS is required to develop mission-ready crews to sustain adequate force structure in support of Combatant Commander requirements. The CCMCS is the primary, and often the only, method to conduct mission crew training. Due to the sensitive nature of the capabilities of this electronic attack (EA) platform, mission crew training on advanced targets using advanced techniques can only be accomplished in the CCMCS. Additionally, with the COMPASS CALL's highly tasked, evolving role as the Air Force's premier airborne CIED platform, mission qualification training for deploying aircrews will require a simulator with matching capabilities to the aircraft configuration to train the techniques and procedures in this emerging mission area. The current CCMCS is an older configuration than the fielded aircraft. This deficiency requires mission crews to rely on ad-hoc training opportunities using combat aircraft in areas lacking the appropriate signal environment, resulting in reduced overall weapon system combat effectiveness.

Exhibit R-2a, RDT&E Project Justification

DATE

September 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207253F Compass Call			PROJECT NUMBER AND TITLE 4804 Compass Call			
Cost (\$ in Millions)		FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4804	Compass Call	0.000	0.000	0.000	5.600	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 EC-130H COMPASS CALL aircraft is the USAF's premier wide-area coverage airborne electronic attack and offensive counter information weapon system. It disrupts or denies adversary voice and data communication as well as denies adversary radar reception, hampering the ability to gather information or control forces in the field. COMPASS CALL has been a fielded capability since 1983, however, it must continue to evolve to keep pace with adversary developments in new communications and sensor technology as well as make use of rapidly advancing commercial technology. COMPASS CALL's strength is in employing techniques that allow surgical disruption and denial of adversary systems while preserving use of the same electronic battlespace for friendly and neutral assets. COMPASS CALL's emerging role as a counter improvised explosive device platform in the Global War on Terrorism has significantly raised the Combatant Commander's tasking level of this low density, high demand (LD/HD) system.

This program incorporates advanced capabilities into the operational system to include Block 30, Block 35, and related integration, testing, training, simulation and deploying systems. The evolution of the threat requires developmental investments in a wide range of activities and associated subsystems. These activities include significant effort in the development and operational fielding of the Human Machine Interface (HMI), Special Purpose Emitter Array (SPEAR), and other classified airborne electronic attack capabilities. Activities are also required in the related areas of software, testing and integration, signals analysis, systems engineering integration, countermeasure development for the evolving threat including CIED, mission planning development, Concept of Operations (CONOPS) development, and program planning. RDT&E articles include engineering and manufacturing development units necessary for these systems to evolve to counter emerging threats as well as other subsystems to counter the evolving threats.

Development funds are required to support the baseline development and upgrade strategy used to keep the mission equipment as current as possible in the face of rapidly advancing technology. New and upgraded communications and sensor systems are studied for vulnerabilities. Hardware and software techniques are developed and tested to add or upgrade disruption and denial capabilities to the mission equipment baseline. Rapid developments in support of urgent warfighter needs are fielded as quick reaction capabilities on specific aircraft.

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

FY 08 GWOT JUSTIFICATION

BUY TRAINER AND FUND TRAINING SHORTFALLS. Funds development of the Block 35 upgrade to the COMPASS CALL Mission Crew Simulator (CCMCS). The currently fielded Block 30 CCMCS can only support 50 percent of crew training after FY10. (\$12.5M for modification of the CCMCS Trainer is included in the FY08 GWOT Justification for COMPASS CALL Modification funds.) Additionally, the COMPASS CALL system is currently highly tasked to support the global war on

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207253F Compass Call	PROJECT NUMBER AND TITLE 4804 Compass Call
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terrorism as the Air Force's foremost airborne counter improvised explosive device (CIED) system and the program's training, techniques and procedures development would definitely benefit with a Block 35 configured CCMCS.

The upgraded CCMCS is required to develop mission-ready crews to sustain adequate force structure in support of Combatant Commander requirements. The CCMCS is the primary, and often the only, method to conduct mission crew training. Due to the sensitive nature of the capabilities of this electronic attack (EA) platform, mission crew training on advanced targets using advanced techniques can only be accomplished in the CCMCS. Additionally, with the COMPASS CALL's highly tasked, evolving role as the Air Force's premier airborne CIED platform, mission qualification training for deploying aircrews will require a simulator with matching capabilities to the aircraft configuration to train the techniques and procedures in this emerging mission area. The current CCMCS is an older configuration than the fielded aircraft. This deficiency requires mission crews to rely on ad-hoc training opportunities using combat aircraft in areas lacking the appropriate signal environment, resulting in reduced overall weapon system combat effectiveness.

(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Development of the Block 35 upgrade to the COMPASS CALL Mission Crew Simulator (CCMCS)				5.600
(U) Total Cost	0.000	0.000	0.000	5.600

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) FY08 GWOT Supplemental, Aircraft Modification (3010)				19.000					

(U) **D. Acquisition Strategy**
COMPASS CALLS baseline upgrade developments and quick reaction developments are acquired sole-source through the 645 Aeronautical Systems Group (BIG SAFARI). Technique development is typically classified, due to the information required to support the analysis and the resulting techniques.

(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 Systems	Nashua NH	Systems development/integration	Jan-08

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
07 Operational System Development				0207253F Compass Call					4804 Compass Call					
(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	FY07 GWOT Award Date	FY08 GWOT Cost	FY08 GWOT Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u>														
FY08 GWOT Supplemental Compass Call RDT&E	SS/FFP&C PFF	BAE Systems, Nashua NH								5.600		Continuing	TBD 0.000	TBD
Subtotal Product Development			0.000	0.000		0.000		0.000		5.600		Continuing	TBD	TBD
Remarks:														
(U) <u>Test & Evaluation</u>														
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		5.600		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207253F Compass Call

PROJECT NUMBER AND TITLE
4804 Compass Call



U.S. AIR FORCE

COMPASS CALL

OUTYEARS
As of: PB07, GWOT 08

	FY04	FY05	FY06	FY07	FY08	FY09	FY10	FY11
					<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> * GWOT 08 \$5.6M RDT&E </div> <div style="border: 1px solid black; padding: 5px;"> * GWOT 08 \$19.0M APAF </div>			
**	Mission Sensors	Mission Sensors	Mission Sensors	Mission Support Systems	Mission Support Systems	Mission Support Systems	Mission Support Systems	Mission Support Systems
					\$24.6M			

*Congressional Adds
** See CLASSIFIED Submission for detailed breakout

Integrity - Service - Excellence

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207253F Compass Call	PROJECT NUMBER AND TITLE 4804 Compass Call
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(U) Schedule Profile (U) Trainer (CCMCS) and training shortfalls contract award	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u> 2Q
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PE NUMBER: 0207268F

PE TITLE: Aircraft Engine Component Improvement Program (CIP)

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207268F Aircraft Engine Component Improvement Program (CIP)					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	20.000	0.000	0.000	0.000	Continuing	TBD
1012 Aircraft Engine Component Improvement Program	0.000	0.000	0.000	20.000	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines throughout their service life. The program's highest priority is to maintain flight safety. Engine CIP corrects service revealed deficiencies and reduces total ownership costs (RTOC). Additional goals include improved system Operational Readiness (OR) and Reliability and Maintainability (R&M). Since operational and safety probels arise throughout a system's service life, Engine CIP must be maintained at a level to provide the engineering support to make the changes essential for continued satisfactory system performance at affordable costs.

This program is in budget activity 7 - Operational System Development, because all efforts support fielded systems.

FY08 TITLE IX JUSTIFICATION: Not Applicable.

FY08 GWOT JUSTIFICATION

Accelerates engine Reliability and Maintainability (R&M) improvements for the F-15, F-16, B-1, B-2, U-2, and C-130 aircraft. Tasks will help to mitigate the near and long-term effects of on-going contingency operations in Southwest and South/Central Asia. Requested funding will result in increased aircraft/engine reliability in the near-term while contributing to lower AF operating costs over the long-term.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207268F Aircraft Engine Component Improvement Program (CIP)		PROJECT NUMBER AND TITLE 1012 Aircraft Engine Component Improvement Program		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
1012 Aircraft Engine Component Improvement Program	0.000	0.000	0.000	20.000	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 Aircraft Engine Component Improvement Program (CIP) provides the only source of critical sustaining engineering support for in-service Air Force engines throughout their service life. The program's highest priority is to maintain flight safety. Engine CIP corrects service revealed deficiencies and reduces total ownership costs (RTOC). Additional goals include improved system Operational Readiness (OR) and Reliability and Maintainability (R&M). Since operational and safety probels arise throughout a system's service life, Engine CIP must be maintained at a level to provide the engineering support to make the changes essential for continued satisfactory system performance at affordable costs.

This program is in budget activity 7 - Operational System Development, because all efforts support fielded systems.

FY08 TITLE IX JUSTIFICATION: Not Applicable.

FY08 GWOT JUSTIFICATION

Accelerates engine Reliability and Maintainability (R&M) improvements for the F-15, F-16, B-1, B-2, U-2, and C-130 aircraft. Tasks will help to mitigate the near and long-term effects of on-going contingency operations in Southwest and South/Central Asia. Requested funding will result in increased aircraft/engine reliability in the near-term while contributing to lower AF operating costs over the long-term.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Continuing CIP tasks (such as, but not limited to, improvement, support equipment, and repair tasks)				17.500
(U) Continuing engine testing (such as, but not limited to, altitude, sea level, and flight tests)				2.500
(U) Continuing mission support				0.000
(U) Total Cost	0.000	0.000	0.000	20.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) AF RDT&E

(U) Other APPN

RELATED ACTIVITIES:

(U) - PEs # 0604268A and #0604268N, Army/Navy Aircraft Engine CIPs for prior years

(U) - PEs # 0203752A and #0205633N, Army/Navy Aircraft Engine CIPs for FY 1996 and following years

Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207268F Aircraft Engine Component Improvement Program (CIP)	PROJECT NUMBER AND TITLE 1012 Aircraft Engine Component Improvement Program
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(U) **D. Acquisition Strategy**
 Contracts within this Program Element are awarded sole source to engine manufacturers, and CIP tasks are generally assigned to original engine manufacturers based on available funding and prioritization of candidate tasks.

(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
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
07 Operational System Development				0207268F Aircraft Engine Component Improvement Program (CIP)					1012 Aircraft Engine Component Improvement Program					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
GE-Evandale, OH	CPAF									7.307	Jan-08	Continuing	TBD	
Pratt & Whitney	CPAF									8.735	Jan-08	Continuing	TBD	
GE-Lynn, MA	CPFF									0.686	Jan-08	Continuing	TBD	
Rolls Royce/Allison	CPFF									0.275	Jan-08	Continuing	TBD	
Teledyne	CPFF									0.030	Jan-08	Continuing	TBD	
Honeywell	CPFF									0.445	Jan-08	Continuing	TBD	
Williams International	CPFF									0.022	Jan-08	Continuing	TBD	
Subtotal Product Development			0.000	0.000		0.000		0.000		17.500		Continuing	TBD	0.000
Remarks:														
(U) <u>Support</u>														
In House Support/ Misc												Continuing	TBD	
Subtotal Support			0.000	0.000		0.000		0.000		0.000		Continuing	TBD	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
AFFTC-Edwards AFB, CA			0.000							0.000		Continuing	TBD	
AEDC-Arnold AFB, TN										2.500		Continuing	TBD	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		2.500		Continuing	TBD	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		20.000		Continuing	TBD	0.000

Exhibit R-4, RDT&E Schedule Profile		DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207268F Aircraft Engine Component Improvement Program (CIP)	PROJECT NUMBER AND TITLE 1012 Aircraft Engine Component Improvement Program
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Not applicable. Engine CIP is a continuing engineering support program that funds 300-350 separate tasks per year and the FY08 GWOT funding will support approximately 20-30 additional tasks, depending upon complexity.

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207268F Aircraft Engine Component Improvement Program (CIP)	PROJECT NUMBER AND TITLE 1012 Aircraft Engine Component Improvement Program
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(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Not applicable. CIP is a continuing engineering support program that funds 300-350 separate engineering tasks per year and the FY08 GWOT funding will support approximately 20-30 additional tasks, depending on complexity..	1-4Q			

UNCLASSIFIED

PE NUMBER: 0207325F

PE TITLE: Joint Air-to-Surface Standoff Missile (JASSM)

Exhibit R-2, RDT&E Budget Item Justification

DATE

September 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0207325F Joint Air-to-Surface Standoff Missile (JASSM)

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	23.000	0.000	0.000	0.000	0.000	1,215.750
4515 Joint Air-to-Surface Standoff Missile (JASSM)	0.000	0.000	0.000	23.000	0.000	0.000	0.000	0.000	1,215.750

The FY03 National Defense Authorization Act language directed Test & Evaluation (T&E) centers to charge only direct costs beginning in FY06. This resulted in a zero balance transfer (ZBT) of funding over the FYDP from the customer accounts (for indirect test costs) to T&E support, PE 0605807F.

(U) A. Mission Description and Budget Item Justification

JASSM is an Air Force program designated ACAT 1C by the Defense Acquisition Board (DAB) during the Low Rate Initial Production (LRIP) decision. This program provides an affordable long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. Aircraft integration is complete on the B-52H, F-16 (Block 50), B-1, and B-2. Objective aircraft include the F-15E, F-16 (Block 40), F-117, F-35, and F/A-18E/F. The JASSM Extended Range (ER) will allow us to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. The threshold integration platform for JASSM-ER is the B-1. Follow-on development/component upgrades include two-way communications and time sensitive/moving surface targeting (Data Link , Maritime Interdiction) capabilities. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes Total System Performance Responsibility (TSPR) as defined in the SPS and warrants system performance for 15 years. In late Summer/Fall 2004, OSD/Air Force convened an independent Reliability Enhancement Team (RET) to review JASSM processes, system engineering procedures, and investigate reliability/quality initiatives. The Air Force continues to implement RET recommendations through a combination of detailed design analysis, production quality reviews, and comprehensive ground and flight testing. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.

FY08 GWOT JUSTIFICATION: These funds are for an FY2008 start to the JASSM Portion of the Surface Warfare (SuW) Jopint Concept Technology Demonstration (JCTD). This effort was to begin in FY2009. This effort provides for the development and demonstration of a robust capability to strike high value surface ships from standoff range. The intent is for interoperability in the joint kill chain with the USN. JASSM is funded for a basic maritime interdiction capability available in FY2008. The remaining SuW JCTD funding (\$13.4M) is located in the JSTARS PE 0207518F.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207325F Joint Air-to-Surface Standoff Missile (JASSM)			PROJECT NUMBER AND TITLE 4515 Joint Air-to-Surface Standoff Missile (JASSM)		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4515 Joint Air-to-Surface Standoff Missile (JASSM)	0.000	0.000	0.000	23.000	0.000	0.000	0.000	0.000	1,215.750
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

JASSM is an Air Force program designated ACAT 1C by the Defense Acquisition Board (DAB) during the Low Rate Initial Production (LRIP) decision. This program provides an affordable long range, conventional air-to-surface, autonomous, precision guided, standoff cruise missile compatible with fighter and bomber aircraft able to attack a variety of fixed or relocatable targets. Aircraft integration is complete on the B-52H, F-16 (Block 50), B-1, and B-2. Objective aircraft include the F-15E, F-16 (Block 40), F-117, F-35, and F/A-18E/F. The JASSM Extended Range (ER) will allow us to attack high value targets with precision, deeper into enemy territory while minimizing the threat to the launch aircraft. The threshold integration platform for JASSM-ER is the B-1. Follow-on development/component upgrades include two-way communications and time sensitive/moving surface targeting (Data Link , Maritime Interdiction) capabilities. The government is buying the JASSM system based on a contractor-developed, government-approved System Performance Specification (SPS) which became contractually binding at downselect. The contractor assumes Total System Performance Responsibility (TSPR) as defined in the SPS and warrants system performance for 15 years. In late Summer/Fall 2004, OSD/Air Force convened an independent Reliability Enhancement Team (RET) to review JASSM processes, system engineering procedures, and investigate reliability/quality initiatives. The Air Force continues to implement RET recommendations through a combination of detailed design analysis, production quality reviews, and comprehensive ground and flight testing. This activity is reflected in Budget Activity 7, Operational Systems Development, because production (Low Rate Initial Production) started in FY02.

FY08 GWOT JUSTIFICATION: These funds are for an FY2008 start to the JASSM Portion of the Surface Warfare (SuW) Jopint Concept Technology Demonstration (JCTD). This effort was to begin in FY2009. This effort provides for the development and demonstration of a robust capability to strike high value surface ships from standoff range. The intent is for interoperability in the joint kill chain with the USN. JASSM is funded for a basic maritime interdiction capability available in FY2008. The remaining SuW JCTD funding (\$13.4M) is located in the JSTARS PE 0207518F.

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

FY06 GWOT FY07 Title IX FY07 GWOT FY08 GWOT

- (U) Complete JASSM EMD and follow-on development activities, including component upgrades studies/development.
- (U) Continue JASSM-ER Phase II development.
- (U) Continue JASSM Data Link development 3.000
- (U) Begin JASSM Maritime Interdiction 20.000
- (U) Continue JASSM-ER flight testing. Continue ground and live fire test support, and Reliability Program.
- (U) Continue JASSM-ER wind tunnel test support.
- (U) Continue JASSM-ER aircraft integration on B-1.
- (U) Continue mission planning and intelligence systems integration.
- (U) Continue program office/mission support.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207325F Joint Air-to-Surface Standoff Missile (JASSM)	PROJECT NUMBER AND TITLE 4515 Joint Air-to-Surface Standoff Missile (JASSM)
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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>FY08 GWOT</u>
(U) Total Cost	0.000	0.000	0.000	23.000

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) FY08 Title IX									
(U) FY08 GWOT Supplemental									
(U) Missile Procurement (AF) JASSM	0.000				0.000	0.000	0.000	0.000	3,790.443
(U) SEEK EAGLE	0.000				0.000	0.000	0.000	0.000	10.277

(U) **D. Acquisition Strategy**
 The SuW JCTD will require hardware and software development and integration activities hwhich will be managed under a sole source, cost pluss fixed fee contract with Lockheed Martin, FL.

(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
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE							
07 Operational System Development				0207325F Joint Air-to-Surface Standoff Missile (JASSM)				4515 Joint Air-to-Surface Standoff Missile (JASSM)							
(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 Award Date	FY07 Title IX Cost	FY07 Title IX Award Date	FY07 GWOT Cost	FY07 Award Date	FY08 GWOT Cost	FY08 Award Date	Cost to Complete	Total Cost	Target Value of Contract	
(U) Product Development															
MDA - PDRR I	C/CPFF	McDonnell Douglas Aircraft, MO											0.000	0.000	0.000
LM - PDRR I& II	C/CPFF	Lockheed Martin, FL											0.000	0.000	0.000
LM - EMD & Follow on Development	C/CPAF	Lockheed Martin, FL											0.000	0.000	0.000
LM - JASSM ER Risk Reduction Phase I	SS/FFP	Lockheed Martin, FL											0.000	0.000	0.000
LM - JASSM ER Development Phase II	SS/CPAF	Lockheed Martin, FL											0.000	0.000	0.000
Data Link	SS/CPFF	Lockheed Martin, FL								3.000			0.000	3.000	0.000
LM - JASSM Maritime Interdiction										20.000			0.000	20.000	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		23.000			0.000	23.000	0.000
Remarks:															
(U) Support															
F-16 SPO	PO (in-house)	WPAFB, OH											0.000	0.000	0.000
B-52 SPO	PO (in-house)	Tinker AFB, OK											0.000	0.000	0.000
B-1 SPO	PO (in-house)	WPAFB, OH											0.000	0.000	0.000
Other Acft Integ	PO (in-house)	various											0.000	0.000	0.000
Sverdrup Inc.	C/CPAF	Eglin AFB, FL											0.000	0.000	0.000
Other Support	Misc	various											0.000	0.000	0.000
Subtotal Support			0.000	0.000		0.000		0.000		0.000			0.000	0.000	0.000
Remarks:															
(U) Test & Evaluation															
46TW	PO (in-house)	Eglin AFB, FL											0.000	0.000	0.000
Arnold Eng Dev Center	PO (in-house)	Arnold AFB, TN											0.000	0.000	0.000
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000			0.000	0.000	0.000
Remarks:															
(U) Total Cost			0.000	0.000		0.000		0.000		23.000			0.000	23.000	0.000

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Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

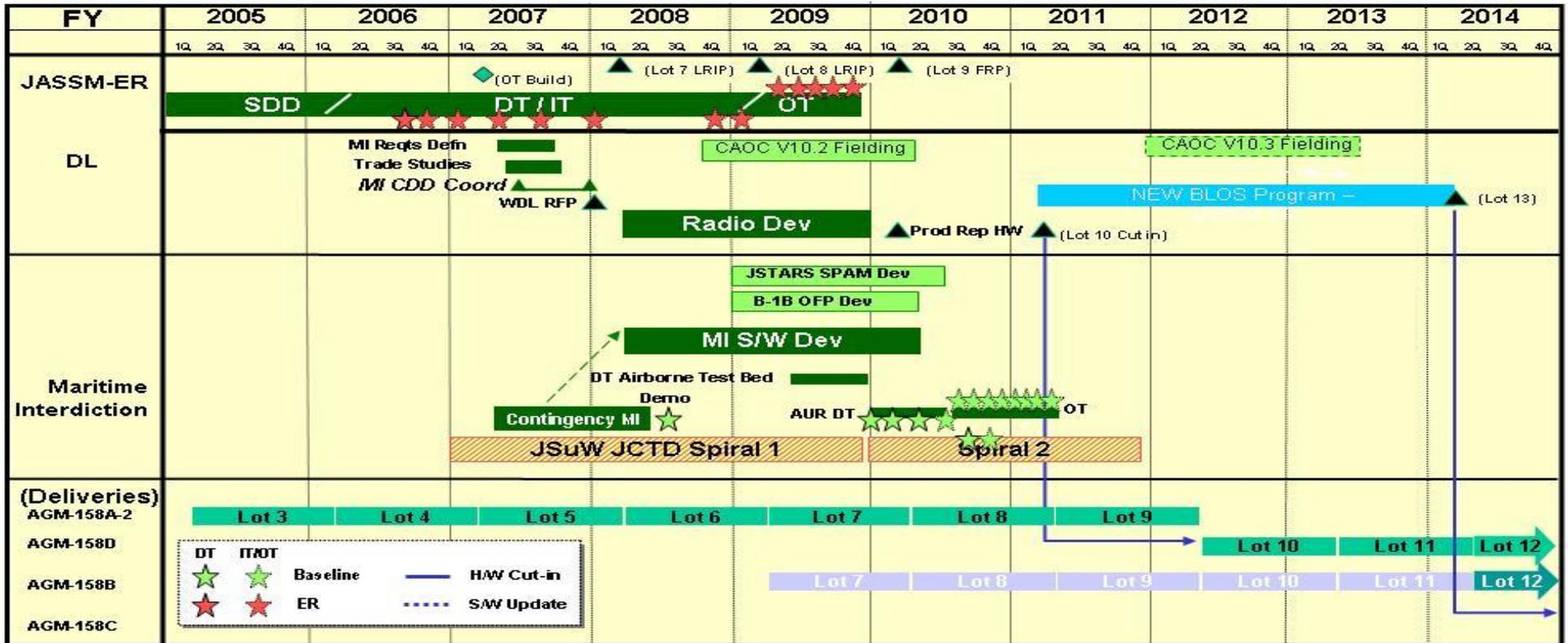
PE NUMBER AND TITLE
0207325F Joint Air-to-Surface Standoff Missile (JASSM)

PROJECT NUMBER AND TITLE
4515 Joint Air-to-Surface Standoff Missile (JASSM)



JASSM SuW JCTD Participation

U.S. AIR FORCE



FY08 Staffer Brief

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Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207325F Joint Air-to-Surface Standoff Missile (JASSM)

PROJECT NUMBER AND TITLE
4515 Joint Air-to-Surface Standoff Missile (JASSM)

(U) **Schedule Profile**

FY06 GWOT

FY07 Title IX

FY07 GWOT

FY08 GWOT

(U) Data Link

2Q

(U) Maritime Interdiction

2Q

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PE NUMBER: 0207410F

PE TITLE: Air and Space Operations Center - Weapon System (AOC-WS)

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207410F Air and Space Operations Center - Weapon System (AOC-WS)
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	2.100	0.000	0.000	0.000	0.000	0.000
5117 Integration Development	0.000	0.000	0.000	2.100	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

FY08 GWOT Re-Attack Justification:

Analyst Support Architecture (ASA) provides Signals Intelligence (SIGINT) analysis, correlation and reasoning capabilities, and access to imagery databases to operational level warfighters, to include the Air and Space Operations Center Weapon System. Central Command (CENTCOM) submitted an Urgent Operational Need (UON) for a Common SIGINT Analytical Tool, which was validated by Air Combat Command (ACC) in March of 2007. This approval occurred too late for the initial FY08 GWOT submission, which is the reason it is being introduced in the FY08 GWOT Re-Attack. ASA, a subsystem of Predictive Awareness & Network-Centric Analysis for Collaborative Intel Assessment (PANACIA), was identified as the appropriate tool to fill the CENTCOM UON.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207410F Air and Space Operations Center - Weapon System (AOC-WS)		PROJECT NUMBER AND TITLE 5117 Integration Development		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5117 Integration Development	0.000	0.000	0.000	2.100	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

FY08 GWOT Re-Attack Justification:

Analyst Support Architecture (ASA) provides Signals Intelligence (SIGINT) analysis, correlation and reasoning capabilities, and access to imagery databases to operational level warfighters, to include the Air and Space Operations Center Weapon System. Central Command (CENTCOM) submitted an Urgent Operational Need (UON) for a Common SIGINT Analytical Tool, which was validated by Air Combat Command (ACC) in March of 2007. This approval occurred too late for the initial FY08 GWOT submission, which is the reason it is being introduced in the FY08 GWOT Re-Attack. ASA, a subsystem of Predictive Awareness & Network-Centric Analysis for Collaborative Intel Assessment (PANACIA), was identified as the appropriate tool to fill the CENTCOM UON.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) ASA Development and Certification				1.467
(U) ASA Integration and testing				0.538
(U) ASA Training				0.095
(U) Total Cost	0.000	0.000	0.000	2.100

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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)									2.100

(U) D. Acquisition Strategy

The Air Force is transtioning the National Reconnaissance Office (NRO) developed initiative to an Air Force-managed program and is being currently being run out of the Electronic Systems Center. ASA will be integrated into PANACIA using an evolutionary acquisition model.

(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) Northrup Grumman	Colorado Springs, CO	ASA Development, Integration	

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY			PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE					
07 Operational System Development			0207410F Air and Space Operations Center - Weapon System (AOC-WS)						5117 Integration Development					
(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 Award Date	FY07 Title IX Cost	FY07 Title IX Award Date	FY07 GWOT Cost	FY07 Award Date	FY08 GWOT Cost	FY08 Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) <u>Product Development</u> ASA Development and Certification	Time & Materials	Northrup Grumman, Colorado Springs, CO								1.467	Dec-07		1.467	
Subtotal Product Development			0.000	0.000		0.000		0.000		1.467		0.000	1.467	0.000
Remarks:														
(U) <u>Support</u> ASA Training	Time & Materials	Northrup Grumman, Colorado Springs, CO								0.095	Dec-07		0.095	
Subtotal Support			0.000	0.000		0.000		0.000		0.095		0.000	0.095	0.000
Remarks:														
(U) <u>Test & Evaluation</u> ASA Integration and Test	Time & Materials	Northrup Grumman, Colorado Springs, CO								0.538	Dec-07		0.538	
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.538		0.000	0.538	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		2.100		0.000	2.100	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
**0207410F Air and Space Operations
Center - Weapon System (AOC-WS)**

PROJECT NUMBER AND TITLE
5117 Integration Development

ASA Milestone Schedule

As of 12 Sep 07

	FY2007	FY2008	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014
ASA Development, Integration and Test		▲————▲						

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207410F Air and Space Operations Center - Weapon System (AOC-WS)	PROJECT NUMBER AND TITLE 5117 Integration Development
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(U) <u>Schedule Profile</u> (U) ASA Development, Integration and Test	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u> 1-4Q
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Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207417F Airborne Warning and Control System (AWACS)					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	72.500	0.000	0.000	0.000	Continuing	TBD
411L Airborne Warning & Control System (AWACS)	0.000	0.000	0.000	72.500	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

This PE provides funding utilized to investigate, develop, and integrate system improvements to enable the E-3 AWACS to remain an effective Battle Management airborne surveillance system for command and control of combat forces and for strategic defense of the U.S.

Current funding provides for the following modernization efforts:

- 1) Integrated DAMA (Demand Assigned Multiple Access) / GATM (Global Air Traffic Management) Program
- 2) Block 40/45 Upgrade Program
- 3) Command & Control, Intelligence, Surveillance and Reconnaissance (C2ISR)
- 4) Training, Support, and Infrastructure Programs
- 5) Test System 3/Integration Labs
- 6) NAVWAR (Navigation Warfare Program)
- 7) AMP (Avionics Modernization Program)
- 8) Communication Projects

The funding set forth in this document accelerates the Block 40/45 program and initiates a Re-engining risk reduction effort.

FY08 GWOT JUSTIFICATION:

- 1) Block 40/45: FY08 GWOT funds will accelerate test aircraft modification, Developmental Test and IOT&E. This will, in turn, accelerate Full Rate Production from FY12 to FY11. Acceleration of Block 40/45 provides enhanced detection, track, and combat ID capability while also establishing the foundation for IP enabled, net-centric operations critical to the GWOT.
- 2) Re-engining: FY08 GWOT funds will enable a Re-Engining SD&D Risk Reduction effort that includes the down select of the engine vendor. Risk reduction activities will include: system engineering/Group A analysis, assessment of the digital engine cockpit controls, integrated drive generator analysis and logistics analysis including spares and maintenance. The SD&D Risk Reduction effort will set the stage for a future Re-engining program that will provide increased aircraft reliability along with increased on-station availability for this low density, high demand C2ISR asset critical to the GWOT.

This program is in Budget Activity 7, Operational Systems Development, due to efforts supporting a fielded, post Milestone III operational weapon system.

Exhibit R-2a, RDT&E Project Justification

DATE

September 2007

BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207417F Airborne Warning and Control System (AWACS)			PROJECT NUMBER AND TITLE 411L Airborne Warning & Control System (AWACS)			
Cost (\$ in Millions)		FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
411L	Airborne Warning & Control System (AWACS)	0.000	0.000	0.000	72.500	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 PE provides funding utilized to investigate, develop, and integrate system improvements to enable the E-3 AWACS to remain an effective Battle Management airborne surveillance system for command and control of combat forces and for strategic defense of the U.S.

Current funding provides for the following modernization efforts:

- 1) Integrated DAMA (Demand Assigned Multiple Access) / GATM (Global Air Traffic Management) Program
- 2) Block 40/45 Upgrade Program
- 3) Command & Control, Intelligence, Surveillance and Reconnaissance (C2ISR)
- 4) Training, Support, and Infrastructure Programs
- 5) Test System 3/Integration Labs
- 6) NAVWAR (Navigation Warfare Program)
- 7) AMP (Avionics Modernization Program)
- 8) Communication Projects

The funding set forth in this document accelerates the Block 40/45 program and initiates a Re-engining risk reduction effort.

FY08 GWOT JUSTIFICATION:

- 1) Block 40/45: FY08 GWOT funds will accelerate test aircraft modification, Developmental Test and IOT&E. This will, in turn, accelerate Full Rate Production from FY12 to FY11. Acceleration of Block 40/45 provides enhanced detection, track, and combat ID capability while also establishing the foundation for IP enabled, net-centric operations critical to the GWOT.
- 2) Re-engining: FY08 GWOT funds will enable a Re-Engining SD&D Risk Reduction effort that includes the down select of the engine vendor. Risk reduction activities will include: system engineering/Group A analysis, assessment of the digital engine cockpit controls, integrated drive generator analysis and logistics analysis including spares and maintenance. The SD&D Risk Reduction effort will set the stage for a future Re-engining program that will provide increased aircraft reliability along with increased on-station availability for this low density, high demand C2ISR asset critical to the GWOT.

This program is in Budget Activity 7, Operational Systems Development, due to efforts supporting a fielded, post Milestone III operational weapon system.

R-1 Line Item No. 147

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Project 411L

Exhibit R-2a (PE 0207417F)

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Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207417F Airborne Warning and Control System (AWACS)	PROJECT NUMBER AND TITLE 411L Airborne Warning & Control System (AWACS)
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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>FY08 GWOT</u>
(U) Accelerate Block 40/45 SD&D Effort	0.000	0.000	0.000	50.000
(U) Begin Re-engining SD&D Risk Reduction Effort	0.000	0.000	0.000	22.500
(U) Total Cost	0.000	0.000	0.000	72.500

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**

Most major programs (Block 40/45, Re-engining, TS-3 and lab support) will be sole source to Boeing Aircraft in Seattle, WA.

(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>
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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
07 Operational System Development				0207417F Airborne Warning and Control System (AWACS)					411L Airborne Warning & Control System (AWACS)					
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
(U) Block 40/45 SD&D	SS/CPAF	Boeing - Seattle, WA								50.000	Apr-08		50.000	
(U) Re-Engining SD&D Risk Reduction	SS/CPFF	Boeing - Seattle, WA								22.500	Apr-08		22.500	
Subtotal Product Development			0.000	0.000		0.000		0.000		72.500		0.000	72.500	0.000
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	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	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		72.500		0.000	72.500	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

BUDGET ACTIVITY
07 Operational System Development

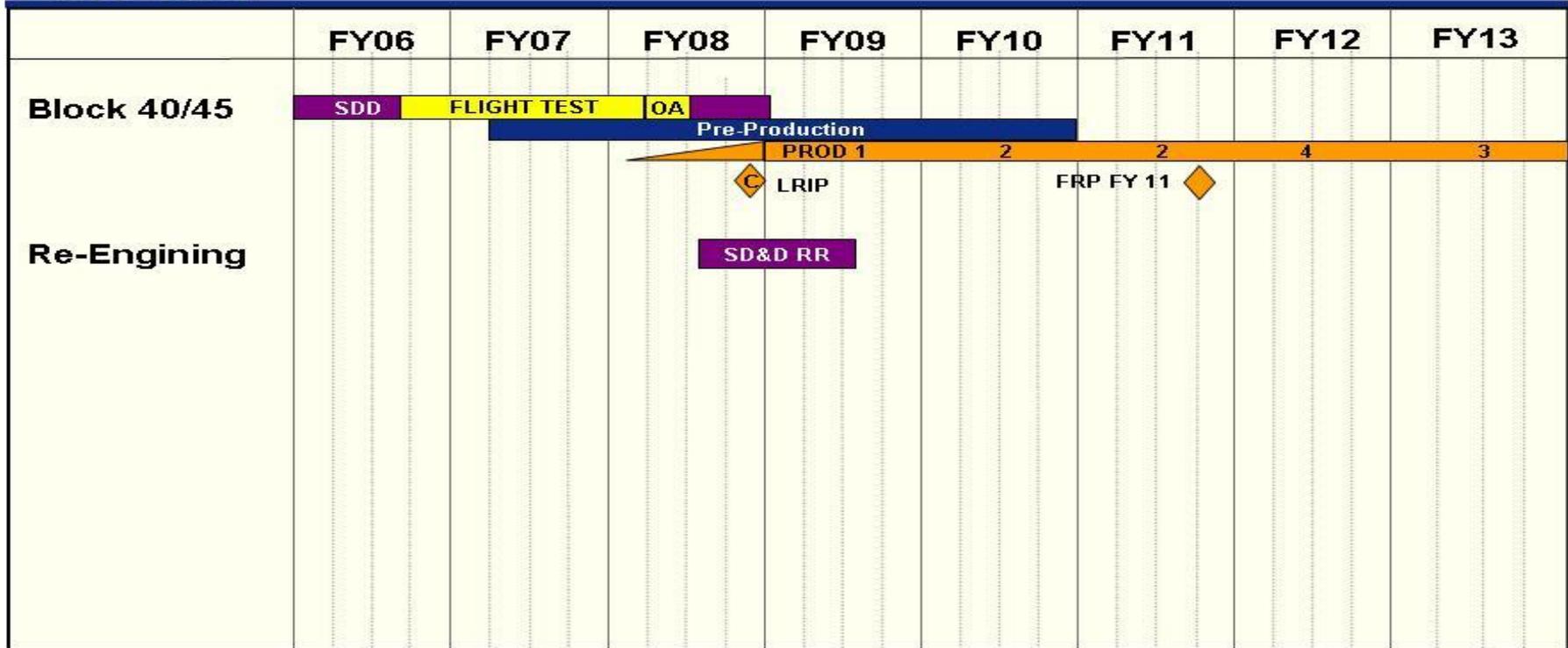
PE NUMBER AND TITLE
0207417F Airborne Warning and Control System (AWACS)

PROJECT NUMBER AND TITLE
411L Airborne Warning & Control System (AWACS)



U.S. AIR FORCE

AWACS Schedule



- Concept activities
- Design / development
- Integration / test
- Operations / sustainment
- Key events

Depicted by installation/production flow

Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development		PE NUMBER AND TITLE 0207417F Airborne Warning and Control System (AWACS)
		PROJECT NUMBER AND TITLE 411L Airborne Warning & Control System (AWACS)
(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
(U) 40/45 Ground/Flight Test Complete		<u>FY07 GWOT</u>
(U) Begin Re-engining SD&D Risk Reduction		<u>FY08 GWOT</u>
(U) 40/45 Milestone C - LRIP		
		3Q
		3-4Q
		4Q

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PE NUMBER: 0207418F
 PE TITLE: TAC AIRBORNE CONTROL SYSTEM
 10/02/2007 01:12 - FY 2008 GWOT Re-Attack (HQ USAF) Draft

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development				PE NUMBER AND TITLE 0207418F TAC AIRBORNE CONTROL SYSTEM					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	3.096	0.000	0.000	0.000	0.000	0.000
5234 TACP Support	0.000	0.000	0.000	3.096	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

FY08 GWOT - ASOC, TACP, STS and Air Ground Schoolhouse DMO training system; satisfies Joint Close Air Support (JCAS) Command and Control training requirements for Air Ground "joint fires" battlefield operations. ACC/A3 is the Air Force lead for the joint program with JROC interest.

Exhibit R-2a, RDT&E Project Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207418F TAC AIRBORNE CONTROL SYSTEM	PROJECT NUMBER AND TITLE 5234 TACP Support
---	--	--

Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5234 TACP Support	0.000	0.000	0.000	3.096	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
 FY08 GWOT - ASOC, TACP, STS and Air Ground Schoolhouse DMO training system; satisfies Joint Close Air Support (JCAS) Command and Control training requirements for Air Ground "joint fires" battlefield operations. ACC/A3 is the Air Force lead for the joint program with JROC interest.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) ASOC, TACP, STS and Air Ground Schoolhouse DMO training system				3,096.000
(U) Total Cost	0.000	0.000	0.000	3,096.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**

(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) N/A			

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10/02/2007 01:12 - FY 2008 GWOT Re-Attack (HQ USAF) Draft

Exhibit R-3, RDT&E Project Cost Analysis	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207418F TAC AIRBORNE CONTROL SYSTEM	PROJECT NUMBER AND TITLE 5234 TACP Support
--	---	---

<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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
<u>(U) Product Development</u> ASOC, TACP, STS & Air Ground Schoolhouse DMO training System Subtotal Product Development Remarks:			0.000	0.000		0.000		0.000		3,096.000		0.000	3,096.000	0.000
<u>(U) Support</u> Subtotal Support Remarks:			0.000	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	0.000
<u>(U) Management</u> Subtotal Management Remarks:			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
<u>(U) Total Cost</u>			0.000	0.000		0.000		0.000		3,096.000		0.000	3,096.000	0.000

R-1 Line Item No. 148

Page-3 of 5

Project 5234

Exhibit R-3 (PE 0207418F)

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Exhibit R-4, RDT&E Schedule Profile		DATE September 2007
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207418F TAC AIRBORNE CONTROL SYSTEM	PROJECT NUMBER AND TITLE 5234 TACP Support

Project 5234	R-1 Line Item No. 148 Page-4 of 5	Exhibit R-4 (PE 0207418F)

Exhibit R-4a, RDT&E Schedule Detail	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207418F TAC AIRBORNE CONTROL SYSTEM	PROJECT NUMBER AND TITLE 5234 TACP Support
---	--	--

(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) ASOC, TACP, STS and Air Ground Schoolhouse DMO Trainig System				2Q

Project 5234

R-1 Line Item No. 148
Page-5 of 5

Exhibit R-4a (PE 0207418F)

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Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.800	0.000	0.000	319.508	0.000	0.000	0.000	Continuing	TBD
0003 JSTARS	0.800	0.000	0.000	319.508	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

The Joint Surveillance Target Attack Radar System (Joint STARS) program produces the world's premier airborne ground surveillance platform, meeting joint combat capability requirements. The 707-based E-8C Joint STARS aircraft provides radar-derived all-weather surveillance and targeting information on moving and stationary ground targets, slowly moving rotary and fixed wing aircraft, and rotating antennas. Joint STARS provides target information for matching direct attack aircraft, standoff weapons, and ground-based attack assets against selected targets, and can be cued by other intelligence, surveillance, and reconnaissance (ISR) and target acquisition systems. This capability enables air and ground commanders to effectively make and execute battle decisions, and helps achieve predictive battlespace awareness.

This program element enhances the warfighter's ability to achieve the joint vision of combat operations. It develops advanced battle management aids and information fusion technologies to enable rapid decisions in tracking and killing time-critical targets.

Items in this submittal of the Supplemental of Global War on Terror (GWOT) include the following capabilities:

The FY08 GWOT Supplemental includes \$266M, which if aligned as recommended below, will fund the non-recurring engineering (NRE) to define the replacement computer components for the Primary Mission Equipment (PME) systems that will encounter Diminishing Manufacturing Sources/Material Shortages (DMS/MS) obsolescence on the E-8C aircraft, as well as the procurement of retrofit equipment. The funding will allow the AF to begin actions to replace four of the DMS/MS items including two of the most critical processor components compatible with MP-RTIP. The funds enable the transition of future MP-RTIP NRE to the Joint STARS fleet. If not funded, the PME DMS/MS obsolescence issues will drive Joint STARS aircraft to go Non Mission Capable (NMC) in FY09 with the balance of the fleet NMC by FY12. The funding request should be aligned as follows: \$103M (RDT&E) which can be executed (within funding regulations) during FY08 & 09. The remaining \$163M should be allocated to JSTARS in FY10 as \$60M RDT&E, and \$103M of Procurement funding, to complete development efforts and initiate the majority of the procurement of retrofit equipment. Execution of this supplemental would drive the above mentioned RDT&E bill of \$60M in FY10 to complete NRE, plus the \$103M of procurement could be combined with another FY08 GWOT Supp submittal of \$41.3M (totaling \$144.3M of procurement funds) in FY10 to be used in that year and into FY11, etc for procurement of the needed retrofit equipment.

E-8 Beyond-Line-of-Sight (BLOS) and Increased Band Width IP Connectivity is a multiyear effort to meet the CENTAF UNR requirement for BLOS chat/email connectivity with the combined air operations center (CAOC). Current capability in theater is limited to Line of Sight chat/email connectivity with the CAOC via two ground entry sites. The beyond-line-of-sight capability will be developed using an INMARSAT terminal, antenna, associated hardware and software to enable full coverage of ground combat operations in OIF/OEF.

SINCGARS will provide a capability for SINCGARS voice communication on E-8 VHF radios. Current E-8 VHF voice communications do not meet the operational requirement for SINCGARS air-ground voice communications capability. This funding will provide the necessary software development and integrated software release to

Exhibit R-2, RDT&E Budget Item Justification

DATE

September 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0207581F JOINT STARS

provide SINCGARS voice capability on all ARC-210 (8.33/25 kHz capable) equipped E-8C aircraft. JSTARS is unable to communicate simultaneously in voice and data with ground units in VHF SINCGARS mode, causing operational coordination issues/limitations in the OIF AOR.

JSuW is a multiyear Joint development and demonstration effort of Network Enabled Weapons lead by PMA 201 NAVAIR Precision Weapons. In Spiral I software will be integrated into Joint STARS to demonstrate Maritime Interdiction using LSRS (P-3), F/A-18, JSOW C, Harpoon III and SLAM-ER. Spiral I will begin 2 Qtr FY08 and end 1 Qtr FY11.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0207581F JOINT STARS		PROJECT NUMBER AND TITLE 0003 JSTARS		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
0003 JSTARS	0.800	0.000	0.000	319.508	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 Joint Surveillance Target Attack Radar System (Joint STARS) program produces the world's premier airborne ground surveillance platform, meeting joint combat capability requirements. The 707-based E-8C Joint STARS aircraft provides radar-derived all-weather surveillance and targeting information on moving and stationary ground targets, slowly moving rotary and fixed wing aircraft, and rotating antennas. Joint STARS provides target information for matching direct attack aircraft, standoff weapons, and ground-based attack assets against selected targets, and can be cued by other intelligence, surveillance, and reconnaissance (ISR) and target acquisition systems. This capability enables air and ground commanders to effectively make and execute battle decisions, and helps achieve predictive battlespace awareness.

This program element enhances the warfighter's ability to achieve the joint vision of combat operations. It develops advanced battle management aids and information fusion technologies to enable rapid decisions in tracking and killing time-critical targets.

Items in this submittal of the Supplemental of Global War on Terror (GWOT) include the following capabilities:

The FY08 GWOT Supplemental includes \$266M, which if aligned as recommended below, will fund the non-recurring engineering (NRE) to define the replacement computer components for the Primary Mission Equipment (PME) systems that will encounter Diminishing Manufacturing Sources/Material Shortages (DMS/MS) obsolescence on the E-8C aircraft, as well as the procurement of retrofit equipment. The funding will allow the AF to begin actions to replace four of the DMS/MS items including two of the most critical processor components compatible with MP-RTIP. The funds enable the transition of future MP-RTIP NRE to the Joint STARS fleet. If not funded, the PME DMS/MS obsolescence issues will drive Joint STARS aircraft to go Non Mission Capable (NMC) in FY09 with the balance of the fleet NMC by FY12. The funding request should be aligned as follows: \$103M (RDT&E) which can be executed (within funding regulations) during FY08 & 09. The remaining \$163M should be allocated to JSTARS in FY10 as \$60M RDT&E, and \$103M of Procurement funding, to complete development efforts and initiate the majority of the procurement of retrofit equipment. Execution of this supplemental would drive the above mentioned RDT&E bill of \$60M in FY10 to complete NRE, plus the \$103M of procurement could be combined with another FY08 GWOT Supp submittal of \$41.3M (totaling \$144.3M of procurement funds) in FY10 to be used in that year and into FY11, etc for procurement of the needed retrofit equipment.

E-8 Beyond-Line-of-Sight (BLOS) and Increased Band Width IP Connectivity is a multiyear effort to meet the CENTAF UNR requirement for BLOS chat/email connectivity with the combined air operations center (CAOC). Current capability in theater is limited to Line of Sight chat/email connectivity with the CAOC via two ground entry sites. The beyond-line-of-sight capability will be developed using an INMARSAT terminal, antenna, associated hardware and software to enable full coverage of ground combat operations in OIF/OEF.

SINGARS will provide a capability for SINGARS voice communication on E-8 VHF radios. Current E-8 VHF voice communications do not meet the operational requirement for SINGARS air-ground voice communications capability. This funding will provide the necessary software development and integrated software release to provide SINGARS voice capability on all ARC-210 (8.33/25 kHz capable) equipped E-8C aircraft. JSTARS is unable to communicate simultaneously in voice and data

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS	PROJECT NUMBER AND TITLE 0003 JSTARS
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with ground units in VHF SINCGARS mode, causing operational coordination issues/limitations in the OIF AOR.

JSuW is a multiyear Joint development and demonstration effort of Network Enabled Weapons lead by PMA 201 NAVAIR Precision Weapons. In Spiral I software will be integrated into Joint STARS to demonstrate Maritime Interdiction using LSRS (P-3), F/A-18, JSOW C, Harpoon III and SLAM-ER. Spiral I will begin 2 Qtr FY08 and end 1 Qtr FY11.

(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Interim Capability and Networking (ICAN)	0.800			
(U) E-8 Diminishing Manufacturing Sources (DMS) Vanishing Vendors (Named R-TIP on J-Doc) *Note: Only \$103M of the \$266M of RDT&E for DMS/Vanishing Vendors is executable with FY08 GWOT funding.				266.000
(U) Beyond Line of Sight (BLOS)				36.000
(U) JSuW				13.408
(U) SINCGARS Voice Initial Capability Insertion				4.100
(U) Total Cost	0.800	0.000	0.000	319.508

(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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) Modifications, BP11 (PE 0207581F)				66.300					
(U) Spares, BP16 (PE 0207581F)									

(U) D. Acquisition Strategy
The AF will continue development for various fleetwide modifications throughout the life of the Joint STARS weapon system.

(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	Melbourne, FL	System Development and Demonstration (SDD)	

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					PROJECT NUMBER AND TITLE					
07 Operational System Development				0207581F JOINT STARS					0003 JSTARS					
(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	FY07 GWOT Award Date	FY08 GWOT Cost	FY08 GWOT Award Date	Cost to Complete	Total Cost	Target Value of Contract
(U) Product Development														
ICAN		HAFB, MA	0.000	0.800									0.800	
DMS *	TBD	HAFB, MA	0.000							266.000			266.000	
BLOS	TBD	HAFB, MA	0.000							36.000	Sep-07		36.000	
JSuW	CPIF	HAFB, MA	0.000							13.408	Oct-07		13.408	
SINGARS										4.100	Jan-08		4.100	2.907
Subtotal Product Development			0.000	0.800		0.000		0.000		319.508		0.000	320.308	2.907
Remarks:														
(U) Support														
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Test & Evaluation														
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Management														
Integration & Analysis													0.000	
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Re-Engining														
Subtotal Re-Engining			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U)														
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U)														
Subtotal			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.800		0.000		0.000		319.508		0.000	320.308	2.907

*Note: Only \$103M of the \$266M of RDT&E for DMS/Vanishing Vendors is executable with FY08 GWOT funding.

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

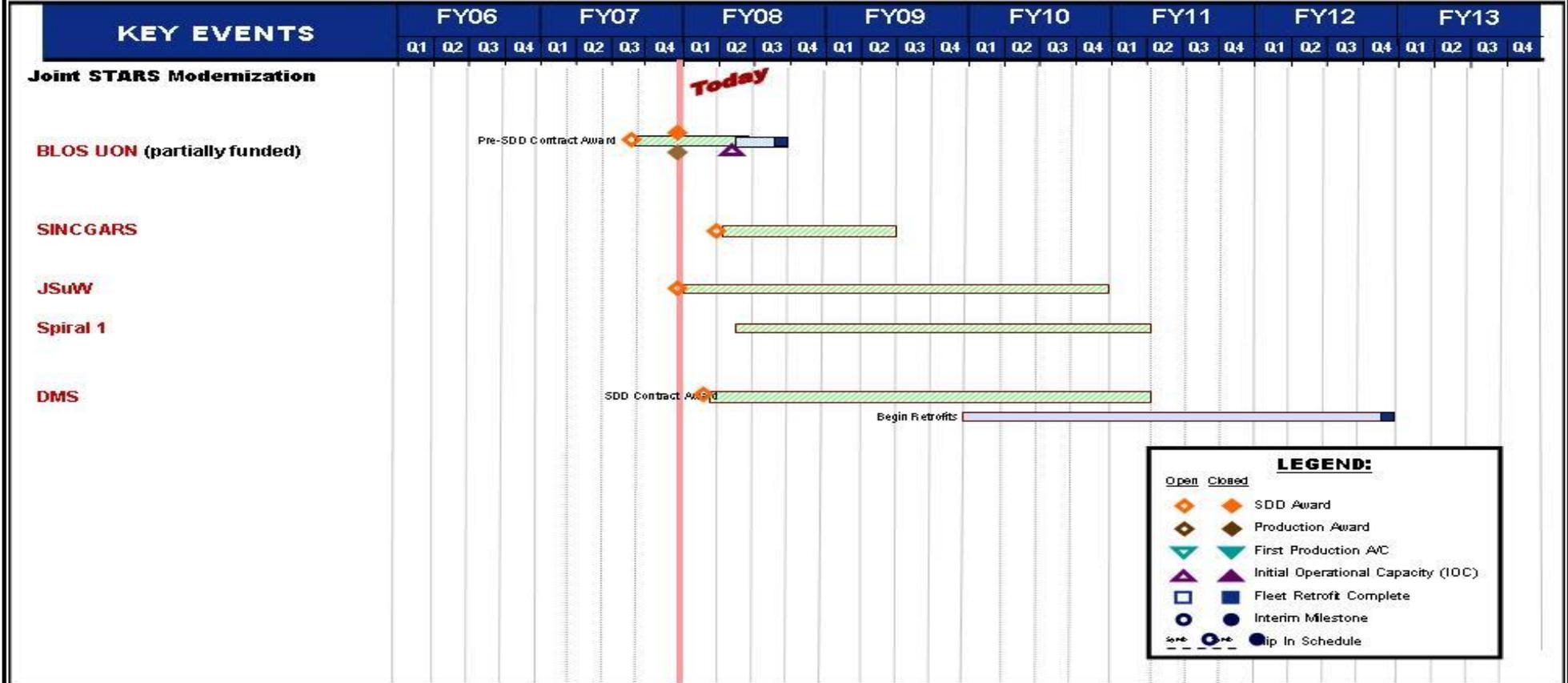
BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0207581F JOINT STARS

PROJECT NUMBER AND TITLE
0003 JSTARS

Joint STARS GWOT FY2008

As of: 12 Sep 07



LEGEND:

Open	Closed	
◇	◇	SDD Award
◆	◆	Production Award
▽	▽	First Production A/C
▲	▲	Initial Operational Capacity (IOC)
□	■	Fleet Retrofit Complete
○	●	Interim Milestone
→	→	Slip In Schedule

Development/Demo Phase

Retrofit Phase

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0207581F JOINT STARS	PROJECT NUMBER AND TITLE 0003 JSTARS
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(U) Schedule Profile	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) DMS SDD Contract Award				1Q
(U) BLOS SDD Contract Award				1Q
(U) JSuW JCTD Contract Award				1Q
(U) SINCGARS SDD Contract Award				2Q

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PE NUMBER: 0303601F
 PE TITLE: MILSATCOM Terminals

Exhibit R-2, RDT&E Budget Item Justification

DATE
September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE					
07 Operational System Development				0303601F MILSATCOM Terminals					
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	79.750	0.000	0.000	0.000	Continuing	TBD
2487 MILSATCOM Terminals (MANPACK Terminals)	0.000	0.000	0.000	79.750	0.000	0.000	0.000	Continuing	TBD

(U) A. Mission Description and Budget Item Justification

FY08 GWOT - No documentation is provided for this FY08 GWOT effort.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0303601F MILSATCOM Terminals		PROJECT NUMBER AND TITLE 2487 MILSATCOM Terminals (MANPACK Terminals)			
Cost (\$ in Millions)		FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
2487	MILSATCOM Terminals (MANPACK Terminals)	0.000	0.000	0.000	79.750	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**
FY08 GWOT - No documentation is provided for this FY08 GWOT effort.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Total Cost	0.000	0.000	0.000	0.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**

(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

September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
07 Operational System Development				0303601F MILSATCOM Terminals						2487 MILSATCOM Terminals (MANPACK Terminals)				
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	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	0.000
Remarks:														
(U) <u>Management</u>														
Subtotal Management			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

September 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0303601F MILSATCOM Terminals

PROJECT NUMBER AND TITLE

2487 MILSATCOM Terminals
(MANPACK Terminals)

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Exhibit R-4 (PE 0303601F)

Project 2487

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

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305202F Dragon U-2 (JMIP)
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT 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	0.660	0.000	0.000	0.000	Continuing	TBD
4820 Sensor Development	0.000	0.000	0.660	0.660	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.

FY08 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
September 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	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
4820 Sensor Development	0.000	0.000	0.660	0.660	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.

FY08 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>FY08 GWOT</u>
(U) SYERS-2/SA Infrared Focal Plane qualification tests			0.660	0.660
(U) Total Cost	0.000	0.000	0.660	0.660

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

	<u>FY06 GWOT</u> <u>Actual</u>	<u>FY07 Title IX</u> <u>Estimate</u>	<u>FY07 GWOT</u> <u>Estimate</u>	<u>FY08 GWOT</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) APAF, 0305202F U-2 Dragon Lady			70.500	6.000					

(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

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 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</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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>														
SYERS-2	TBD	BF Goodrich, Boston						0.660		0.660		Continuing	TBD	TBD
Subtotal Product Development			0.000	0.000		0.000		0.660		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	0.000
Remarks:														
(U) <u>Management</u>													0.000	0.000
Subtotal Management	C/FFP	Various	0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.660		0.660		Continuing	TBD	TBD

Exhibit R-4, RDT&E Schedule Profile

DATE
September 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

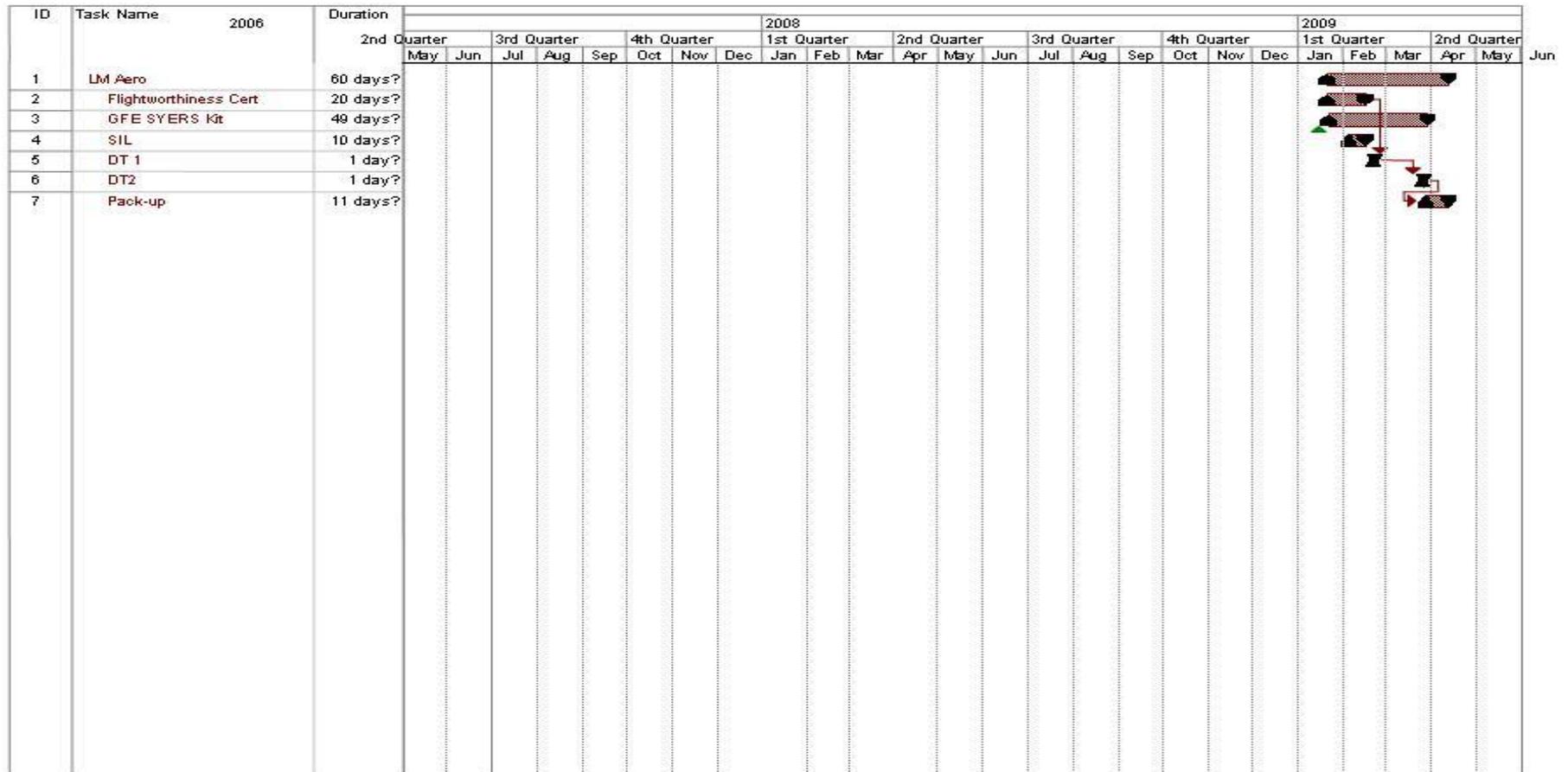


Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305202F Dragon U-2 (JMIP)	PROJECT NUMBER AND TITLE 4820 Sensor Development
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(U) Schedule Profile (U) Contract start to support qualification testing of SYERS-2/2A infrared focal planes	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u> 4Q	<u>FY08 GWOT</u> 4-Q
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Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT 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	1.520	0.000	0.000	0.000	Continuing	TBD
4818 Imaging and Targeting Support	3.000	0.000	6.000	1.520	0.000	0.000	0.000	Continuing	TBD

- FY 2006, Congressional GWOT 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.

(U) A. Mission Description and Budget Item Justification

The purpose of the Imaging and Targeting Support (I&TS) program is to develop next-generation, common imagery reconnaissance sensors (e.g. radar and electro-optical systems) for multiple airborne platforms, and sensor products to aid in rapid targeting (e.g., geolocation models, sensor-based exploitation tools, sensor networking capabilities). Developmental efforts pursued are improved sensors (such as hyperspectral information [HSI], measurement and signature intelligence [MASINT], polarimetric imaging, ground moving target indication, foliage penetration, and other radar and electro-optical modes), increased geolocation accuracy, advanced sensor data correlation, automated target detection, network centric warfare, and other Intelligence, Surveillance, and Reconnaissance (ISR) technologies to reduce both target search and kill chain timelines, as well as supporting traditional intelligence activities. I&TS will increase interoperability among developed systems by developing common standards and tools.

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

FY2006, Congressional GWOT title IX add \$3.0M, to integrate and test Common Image Processor (CIP) in Theater Airborne Reconnaissance System (TARS). FY2008 GWOT JUSTIFICATION: TARS \$1.0M will be used to upgrade the TARS software to be compatible with the F-16 Block 40/50 operational flight program changes. Project ANUBIS \$0.52M will test a small UAV that carries sensors, datalinks, and a munitions payload to engage time-sensitive fleeting targets in complex environments. Project Anubis will be developed by Air Force Research Laboratory (AFRL) for use by Air Force Special Operations Command.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

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	FY08 GWOT 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	1.520	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 purpose of the Imaging and Targeting Support (I&TS) program is to develop next-generation, common imagery reconnaissance sensors (e.g. radar and electro-optical systems) for multiple airborne platforms, and sensor products to aid in rapid targeting (e.g., geolocation models, sensor-based exploitation tools, sensor networking capabilities). Developmental efforts pursued are improved sensors (such as hyperspectral information [HSI], measurement and signature intelligence [MASINT], polarimetric imaging, ground moving target indication, foliage penetration, and other radar and electro-optical modes), increased geolocation accuracy, advanced sensor data correlation, automated target detection, network centric warfare, and other Intelligence, Surveillance, and Reconnaissance (ISR) technologies to reduce both target search and kill chain timelines, as well as supporting traditional intelligence activities. I&TS will increase interoperability among developed systems by developing common standards and tools.

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

FY2006, Congressional GWOT title IX add \$3.0M, to integrate and test Common Image Processor (CIP) in Theater Airborne Reconnaissance System (TARS). FY2008 GWOT JUSTIFICATION: TARS \$1.0M will be used to upgrade the TARS software to be compatible with the F-16 Block 40/50 operational flight program changes. Project ANUBIS \$0.52M will test a small UAV that carries sensors, datalinks, and a munitions payload to engage time-sensitive fleeting targets in complex environments. Project Anubis will be developed by Air Force Research Laboratory (AFRL) for use by Air Force Special Operations Command.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Theater Airborne Reconnaissance System (TARS)	3.000		6.000	1.000
(U) Project Anubis	0.000		0.000	0.520
(U) Total Cost	3.000	0.000	6.000	1.520

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

	<u>FY06 GWOT</u> <u>Actual</u>	<u>FY07 Title IX</u> <u>Estimate</u>	<u>FY07 GWOT</u> <u>Estimate</u>	<u>FY08 GWOT</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) TARS Procurement PE 27217F	0.000		13.620	0.000	0.000	0.000	0.000	0.000	8.084

(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)

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Exhibit R-2a, RDT&E Project Justification		DATE September 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
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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	Jan-08

Project 4818

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Exhibit R-3, RDT&E Project Cost Analysis

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems	PROJECT NUMBER AND TITLE 4818 Imaging and Targeting Support
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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 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>FY07 GWOT Award Date</u>	<u>FY08 GWOT Cost</u>	<u>FY08 GWOT Award Date</u>	<u>Cost to Complete</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		1.000		Continuing	TBD	TBD
LM Aero (TARS)	CPFF	Dallas/Ft Worth, TX	1.000	0.000				3.000				Continuing	TBD	TBD
Subtotal Product Development			1.000	3.000		0.000		6.000		1.000		Continuing	TBD	TBD
Remarks:														
(U) <u>Support</u>														
Subtotal Support			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Test & Evaluation</u>														
46 TW	Various	Eglin AFB, FL	0.000	0.000		0.000		0.000		0.300		Continuing	TBD	TBD
Subtotal Test & Evaluation			0.000	0.000		0.000		0.000		0.300		Continuing	TBD	TBD
Remarks:														
(U) <u>Management</u>														
AFSOC	Various	Hurlburt Field, FL	0.000	0.000		0.000		0.000		0.110		Continuing	TBD	TBD
AFRL	Various	Eglin AFB, FL						0.000		0.110		Continuing	TBD	
Subtotal Management			0.000	0.000		0.000		0.000		0.220		Continuing	TBD	TBD
Remarks:														
(U) Total Cost			1.000	3.000		0.000		6.000		1.520		Continuing	TBD	TBD

Exhibit R-4a, RDT&E Schedule Detail

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305206F Airborne Reconnaissance Systems	PROJECT NUMBER AND TITLE 4818 Imaging and Targeting Support
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(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Project Anubis: Contract Award				2Q
(U) TARS: Contract Award	3Q			
(U) TARS: Block 40/50 Contract Award				2Q

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

Exhibit R-2, RDT&E Budget Item Justification	DATE September 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	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	2.033	2.184	0.000	0.000	0.000	0.000	3.417
5144 Global Hawk	0.000	0.000	2.033	2.184	0.000	0.000	0.000	0.000	3.417

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.

FY08 GWOT JUSTIFICATION:

The FY2008 GWoT Supplemental request of \$2.184M funds will be applied toward the following two areas of activity:

- 1) (\$0.800M) of the funding request will be applied toward the development, integration, and fielding of corrections to imagery shading errors and stitching errors. CENTCOM published an urgent operational need (UON) for the Global Hawk optical sensors requiring corrections to image shading and stitching errors, which were causing problems with exploitation. UON requested interim corrections be available within 3 months and a full correction implemented within 1 year. This FY08 GWoT request will make the necessary upgrades to the common imagery processor system to address the imagery shading and stitching issues. Interim corrections will be available in October 2007 and February 2008. Final corrections will be available in July 2008 (see R-4s for schedule details).
- 2) (\$1.384M) of the funding request will be applied toward incorporation of a radar Measurement and Signatures Intelligence (MASINT) collection capability into the Mission Control Element (MCE) of the Global Hawk system. The is a radar sensor MASINT capability upgrade that will help in the mission area of searching for Improvised Explosive Devices (IEDs). Specifically, the funding will pay for a complete spec, integrated schedule, and cost estimate with the prime contractor.

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

Exhibit R-2a, RDT&E Project Justification

DATE
September 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	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5144	Global Hawk	0.000	0.000	2.033	2.184	0.000	0.000	0.000	0.000	3.417
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

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.

FY08 GWOT JUSTIFICATION:

The FY2008 GWoT Supplemental request of \$2.184M funds will be applied toward the following two areas of activity:

- 1) (\$0.800M) of the funding request will be applied toward the development, integration, and fielding of corrections to imagery shading errors and stitching errors. CENTCOM published an urgent operational need (UON) for the Global Hawk optical sensors requiring corrections to image shading and stitching errors, which were causing problems with exploitation. UON requested interim corrections be available within 3 months and a full correction implemented within 1 year. This FY08 GWoT request will make the necessary upgrades to the common imagery processor system to address the imagery shading and stitching issues. Interim corrections will be available in October 2007 and February 2008. Final corrections will be available in July 2008 (see R-4s for schedule details).
- 2) (\$1.384M) of the funding request will be applied toward incorporation of a radar Measurement and Signatures Intelligence (MASINT) collection capability into the Mission Control Element (MCE) of the Global Hawk system. The is a radar sensor MASINT capability upgrade that will help in the mission area of searching for Improvised Explosive Devices (IEDs). Specifically, the funding will pay for a complete spec, integrated schedule, and cost estimate with the prime contractor.

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>FY08 GWOT</u>
(U) MCE MASINT capability with Global Hawk SAR sensor integration			2.033	1.384
(U) CENTCOM Urgent Operational Need (UON) to improve Global Hawk optical imagery quality				0.800
(U) Total Cost	0.000	0.000	2.033	2.184

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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									

Exhibit R-2a, RDT&E Project Justification	DATE September 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) **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	Dec-07
(U) Northrop Grumman Information Systems	El Segundo CA	Radar sensor MASINT capability development	Dec-07

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Exhibit R-3, RDT&E Project Cost Analysis

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BUDGET ACTIVITY			PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE					
07 Operational System Development			0305220F GLOBAL HAWK DEVELOPMENT/FIELDING						5144 Global Hawk					
(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>FY07 GWOT Award Date</u>	<u>FY08 GWOT Cost</u>	<u>FY08 GWOT Award Date</u>	<u>Cost to Complete</u>	<u>Total Cost</u>	<u>Target Value of Contract</u>
(U) <u>Product Development</u> Ground station development	SS CPAF	Northrop-Grumman Integrated Systems, El Segundo, CA						2.033		0.800			2.833	2.833
Subtotal Product Development			0.000	0.000		0.000		2.033		0.800		0.000	2.833	2.833
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	0.000
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	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		2.033		0.800		0.000	2.833	2.833

Exhibit R-4, RDT&E Schedule Profile

DATE
September 2007

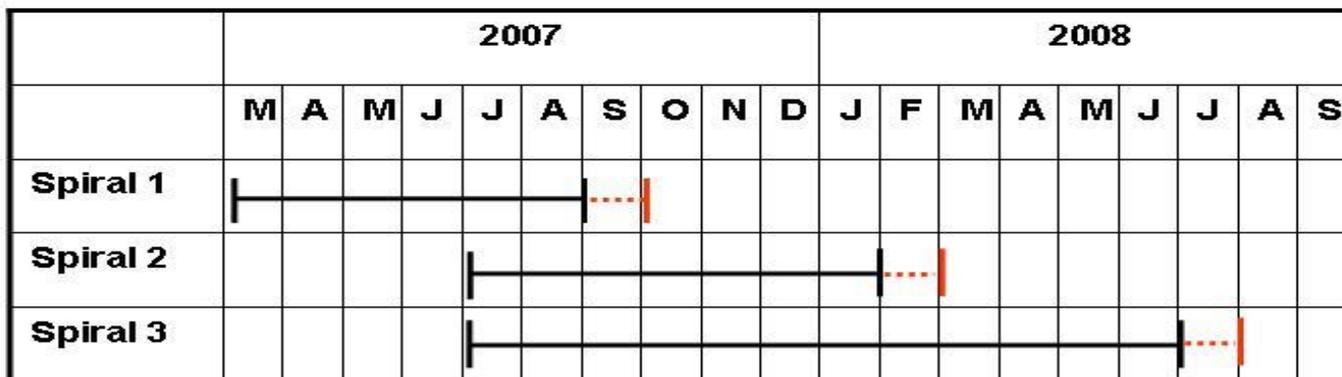
BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0305220F GLOBAL HAWK
DEVELOPMENT/FIELDING

PROJECT NUMBER AND TITLE
5144 Global Hawk

Global Hawk Image Quality Efforts

Common Imagery Processor



*Red indicates fielding

Exhibit R-4a, RDT&E Schedule Detail

DATE
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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

(U) <u>Schedule Profile</u>	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Phase 1, imagery shading fix fields				1Q
(U) Phase 2, interim imagery stitching correction fields				2Q
(U) Phase 3, final imagery stitching correction fields				4Q
(U) Incorporate radar MASINT capability into Global Hawk sensor				4Q

Project 5144

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Exhibit R-4a (PE 0305220F)

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PE NUMBER: 0305940F
 PE TITLE: Space Situation Awareness Operations

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305940F Space Situation Awareness Operations
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	8.900	0.000	0.000	0.000	0.000	43.184
A017 Sensor Service Life Extension Programs	0.000	0.000	0.000	8.900	0.000	0.000	0.000	0.000	43.184

(U) **A. Mission Description and Budget Item Justification**
 FY08 GWOT - No documentation is provided for this FY08 GWOT effort.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0305940F Space Situation Awareness Operations		PROJECT NUMBER AND TITLE A017 Sensor Service Life Extension Programs			
Cost (\$ in Millions)		FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
A017	Sensor Service Life Extension Programs	0.000	0.000	0.000	8.900	0.000	0.000	0.000	0.000	43.184
Quantity of RDT&E Articles		0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
FY08 GWOT - No documentation is provided for this FY08 GWOT effort.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U) Total Cost	0.000	0.000	0.000	0.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**

(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>
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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE						PROJECT NUMBER AND TITLE				
07 Operational System Development				0305940F Space Situation Awareness Operations						A017 Sensor Service Life Extension Programs				
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>													0.000	0.000
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
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	0.000
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	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000

Exhibit R-4, RDT&E Schedule Profile

DATE

September 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0305940F Space Situation Awareness Operations

PROJECT NUMBER AND TITLE

A017 Sensor Service Life Extension Programs

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Exhibit R-4 (PE 0305940F)

Project A017

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Exhibit R-4a, RDT&E Schedule Detail		DATE
BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0305940F Space Situation Awareness Operations	PROJECT NUMBER AND TITLE A017 Sensor Service Life Extension Programs
(U) <u>Schedule Profile</u> (U)	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>
		<u>FY07 GWOT</u>
		<u>FY08 GWOT</u>
Project A017	R-1 Line Item No. 214 Page-5 of 5	Exhibit R-4a (PE 0305940F)

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PE NUMBER: 0101314F
 PE TITLE: NIGHT FIST USSTRATCOM

Exhibit R-2, RDT&E Budget Item Justification	DATE September 2007
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BUDGET ACTIVITY 07 Operational System Development	PE NUMBER AND TITLE 0101314F NIGHT FIST USSTRATCOM
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Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
Total Program Element (PE) Cost	0.000	0.000	0.000	1.640	0.000	0.000	0.000	0.000	0.000
5152 NIGHT FIST	0.000	0.000	0.000	1.640	0.000	0.000	0.000	0.000	0.000

(U) A. Mission Description and Budget Item Justification

Program was submitted under separate cover because of its classification.

Exhibit R-2a, RDT&E Project Justification

DATE
September 2007

BUDGET ACTIVITY 07 Operational System Development					PE NUMBER AND TITLE 0101314F NIGHT FIST USSTRATCOM		PROJECT NUMBER AND TITLE 5152 NIGHT FIST		
Cost (\$ in Millions)	FY06 GWOT Actual	FY07 Title IX Estimate	FY07 GWOT Estimate	FY08 GWOT Estimate	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	Cost to Complete	Total
5152 NIGHT FIST	0.000	0.000	0.000	1.640	0.000	0.000	0.000	0.000	0.000
Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) **A. Mission Description and Budget Item Justification**
Program was submitted under separate cover because of its classification.

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</u>
(U)				
(U)				
(U)				
(U) Total Cost	0.000	0.000	0.000	0.000

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

	<u>FY06 GWOT</u>	<u>FY07 Title IX</u>	<u>FY07 GWOT</u>	<u>FY08 GWOT</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**

(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>
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(U)

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Exhibit R-3, RDT&E Project Cost Analysis

DATE

September 2007

BUDGET ACTIVITY				PE NUMBER AND TITLE				PROJECT NUMBER AND TITLE						
07 Operational System Development				0101314F NIGHT FIST USSTRATCOM				5152 NIGHT FIST						
(U) Cost Categories (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>GWOT</u> <u>Cost</u>	<u>FY06</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY07 Title</u> <u>IX</u> <u>Cost</u>	<u>FY07 Title</u> <u>IX</u> <u>Award</u> <u>Date</u>	<u>FY07</u> <u>GWOT</u> <u>Cost</u>	<u>FY07</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>FY08</u> <u>GWOT</u> <u>Cost</u>	<u>FY08</u> <u>GWOT</u> <u>Award</u> <u>Date</u>	<u>Cost to</u> <u>Complete</u>	<u>Total Cost</u>	<u>Target</u> <u>Value of</u> <u>Contract</u>
(U) <u>Product Development</u>													0.000	
Subtotal Product Development			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000
Remarks:														
(U) <u>Support</u>													0.000	
Subtotal Support			0.000	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	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	0.000
Remarks:														
(U) Total Cost			0.000	0.000		0.000		0.000		0.000		0.000	0.000	0.000

Exhibit R-4, RDT&E Schedule Profile

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September 2007

BUDGET ACTIVITY

07 Operational System Development

PE NUMBER AND TITLE

0101314F NIGHT FIST USSTRATCOM

PROJECT NUMBER AND TITLE

5152 NIGHT FIST

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Exhibit R-4 (PE 0101314F)

Project 5152

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Exhibit R-4a, RDT&E Schedule Detail

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September 2007

BUDGET ACTIVITY
07 Operational System Development

PE NUMBER AND TITLE
0101314F NIGHT FIST USSTRATCOM

PROJECT NUMBER AND TITLE
5152 NIGHT FIST

(U) Schedule Profile

FY06 GWOT

FY07 Title IX

FY07 GWOT

FY08 GWOT

(U)

Project 5152

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Exhibit R-4a (PE 0101314F)

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