UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE

PROCUREMENT PROGRAM

FISCAL YEAR (FY) 2007
BUDGET ESTIMATES

OTHER PROCUREMENT

SUBMITTED TO CONGRESS FEBRUARY 2006

UNCLASSIFIED

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

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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
Spares and Repair Parts

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

APPROPRIATION LANGUAGE

OTHER PROCUREMENT, AIR FORCE

For procurement and modification of equipment including ground guidance and electronic control equipment, and ground electronic and communication equipment, and supplies, materials, and spare parts therefore, not otherwise provided for; the purchase of passenger motor vehicles and expansion of public and, Government-owned equipment and installation thereof in such plants, erection of structures, and acquisition of land, for the foregoing purposes, and such lands and interests therein, may be acquired, and construction prosecuted thereon, prior to approval of title; reserve plant and Government and contractor-owned equipment layaway, $15,408,086,000 to remain available for obligation until September 30, 2009.

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

LINE NO	ITEM NOMENCLATURE	IDENT CODE	MILLIONS OF DOLLARS FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
	BUDGET ACTIVITY 02: VEHICULAR EQUIPMENT								
	PASSENGER CARRYING VEHICLES								
1	ARMORED VEHICLE	A	1	.2	1	.5	1	.5	U
2	PASSENGER CARRYING VEHICLES	A					153	14.4	
	CARGO + UTILITY VEHICLES								
3	TRUCK, STAKE/PLATFORM	A		8.1					U
4	TRUCK, CARGO-UTILITY, 3/4T, 4X4	A		13.3					U
5	TRUCK, CARGO-UTILITY, 3/4T, 4X2	A		7.6					U
6	TRUCK, MAINT/UTILITY/DELIVERY VAN	A		8.9					U
7	TRUCK, CARRYALL	A		4.2					U
8	MEDIUM TACTICAL VEHICLE	A		21.4		12.9		21.0	U
9	HIGH MOBILITY VEHICLE (MYP)	A		7.5		3.2		4.1	U
10	TRUCK, TRACTOR, OVER 5T	A		16.7					U
11	CAP VEHICLES	A		.8		.8		.7	U
12	ITEMS LESS THAN $2,000,000	A		30.7					U
	SPECIAL PURPOSE VEHICLES								
13	TRUCK TANK 1200 GAL	A		5.8					U
14	TRUCK, TANK FUEL R-11	A		16.0					U
15	HMMWV, ARMORED	A		3.1		2.2		8.4	U
16	TRUCK, REFUSE	A		.5					U
17	HMWWV,UP-ARMORED	A		17.4		13.3		11.3	U
18	TRACTOR A/C TOW MB-4	A		8.6					U

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
19	TRACTOR, TOW, FLIGHTLINE	A		6.4					U
20	TRUCK HYDRANT FUEL	A		.5					U
21	ITEMS LESS THAN $2M	A		37.0					U
	FIRE FIGHTING EQUIPMENT								
22	FIRE FIGHTING/CRASH RESCUE VEHICLES	A		18.2		21.1		21.5	U
23	ITEMS LESS THAN $2M	A		8.4					U
	MATERIALS HANDLING EQUIPMENT								
24	TRUCK F/L 6000 LB	A		8.3					U
25	TRUCK, F/L 10,000 LB	A		26.1					U
26	HALVERSEN LOADER	A	25	21.4	25	22.0		8.2	U
27	ITEMS LESS THAT $2,000,000	A		12.5					U
	BASE MAINTENANCE SUPPORT								
28	LOADER, SCOOP	A		11.1					U
29	LOADER- SCOOP- W/BACKHOE	A		4.2					U
30	TRUCK, DUMP 5CY	A		12.1					U
31	RUNWAY SNOW REMOV AND CLEANING EQU	A		27.6		21.7		30.3	U
32	CRANE 7-50 TON	A		7.9					U
33	MODIFICATIONS	A		4.5					U
34	ITEMS LESS THAN $5,000,000(VEHICLES)	A		31.7		10.5		27.9	U
	CANCELLED ACCOUNT ADJUSTM								
35	CANCELLED ACCOUNT ADJUSTMENTS	A		.5					U
TOTAL VEHICULAR EQUIPMENT				421.3		124.7		148.3	

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
	BUDGET ACTIVITY 03: ELECTRONICS AND TELECOMMUNICATIONS EQUIP								
	COMM SECURITY EQUIPMENT(COMSEC)								
36	COMSEC EQUIPEMENT	A		34.2		57.4		121.8	U
37	MODIFICATIONS (COMSEC)	A		.5		2.4		.7	U
	INTELLIGENCE PROGRAMS								
38	INTELLIGENCE TRAINING EQUIPMENT	A		2.8		4.7		5.2	U
39	INTELLIGENCE COMM EQUIPMENT	A		3.1		1.5		1.6	U
	ELECTRONICS PROGRAMS								
40	TRAFFIC CONTROL/LANDING	A		2.8		39.6		6.2	U
41	NATIONAL AIRSPACE SYSTEM	A		40.3		54.6		53.8	U
42	THEATER AIR CONTROL SYS IMPROVE	A		47.6		66.0		77.2	U
43	WEATHER OBSERVATION FORECAST	A		32.3		35.2		35.1	U
44	STRATEGIC COMMAND AND CONTROL	A		46.9		44.1		27.1	U
45	CHEYENNE MOUNTAIN COMPLEX	A		15.6		22.7		19.3	U
46	TAC SIGINT SPT	A		.4					U
47	DRUG INTERDICTION SPT	A		13.2		.4		.4	U
	SPECIAL COMM-ELECTRONICS PROJECTS								
48	GENERAL INFORMATION TECHNOLOGY	A		131.5		120.0		120.4	U
49	AF GLOBAL COMMAND & CONTROL SYS	A		16.2		11.7		13.9	U
50	MOBILITY COMMAND AND CONTROL	A		8.6		9.4		10.1	U
51	AIR FORCE PHYSICAL SECURITY SYSTEM	A		97.0		40.0		41.4	U
52	COMBAT TRAINING RANGES	A		31.8		57.9		35.4	U

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
53	MINIMUM ESSENTIAL EMERGENCY COMM N	A						3.4	U
54	C3 COUNTERMEASURES	A		9.5		4.5		4.7	U
55	GCSS-AF FOS	A		18.4		12.6		32.0	U
56	THEATER BATTLE MGT C2 SYSTEM	A		41.3		41.1		23.6	U
57	AIR OPERATIONS CENTER (AOC)	A		42.8		21.4		25.2	U
	AIR FORCE COMMUNICATIONS								
58	BASE INFO INFRASTRUCTURE	A		358.2		347.9		334.7	U
59	USCENTCOM	A		44.7		30.6		32.6	U
60	AUTOMATED TELECOMMUNICATIONS PGM	A		8.0					U
	DISA PROGRAMS								
61	SPACE BASED IR SENSOR PGM SPACE	A				3.6		4.2	U
62	NAVSTAR GPS SPACE	A		9.9		9.0		6.0	U
63	NUDET DETECTION SYS SPACE	A		7.3		9.3		13.5	U
64	AF SATELLITE CONTROL NETWORK SPACE	A		42.1		51.0		85.5	U
65	SPACELIFT RANGE SYSTEM SPACE	A		101.6		106.5		120.5	U
66	MILSATCOM SPACE	A		18.6		28.3		75.8	U
67	SPACE MODS SPACE	A		13.0		24.7		25.2	U
68	COUNTERSPACE SYSTEM	A						31.4	U
	ORGANIZATION AND BASE								
69	TACTICAL C-E EQUIPMENT	A		146.7		127.4		147.7	U
70	COMBAT SURVIVOR EVADER LOCATER	A		13.9		7.1		27.2	U
71	RADIO EQUIPMENT	A		12.1		9.4		7.7	U
72	TV EQUIPMENT (AFRTV)	A		4.9		5.8		2.7	U

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
73	CCTV/AUDIOVISUAL EQUIPMENT	A		3.1		3.2		8.4	U
74	BASE COMM INFRASTRUCTURE	A		110.2		203.0		135.2	U
75	ITEMS LESS THAN $2,000,000	A		52.4		3.6		3.8	U
	MODIFICATIONS								
76	COMM ELECT MODS	A		24.8		24.4		28.3	U
	TOTAL ELECTRONICS AND TELECOMMUNICATIONS EQUIP			1,608.1		1,641.6		1,748.6	
	BUDGET ACTIVITY 04: OTHER BASE MAINTENANCE AND SUPPORT EQUIP								
	TEST EQUIPMENT								
77	BASE/ALC CALIBRATION PACKAGE	A		15.2					U
78	PRIMARY STANDARDS LABORATORY PACKA	A		1.1					U
79	ITEMS LESS THAN $2M	A		7.6					U
	PERSONAL SAFETY AND RESCUE EQUIP								
80	NIGHT VISION GOGGLES	A		20.9		11.8		19.3	U
81	ITEMS LESS THAN $2M (SAFETY)	A		23.3		2.1			U
	DEPOT PLANT + MATERIALS HANDLING EQ								
82	MECHANIZED MATERIAL HANDLING EQUIP	A		22.0		17.4		14.6	U
83	ITEMS LESS THAN $2M (DEPOT)	A		8.0					U
	ELECTRICAL EQUIPMENT								
84	FLOODLIGHTS SET TYPE NF2D	A		5.6					U
85	ITEMS LESS THAN $2M (ELECTRICAL)	A		13.0					U
	BASE SUPPORT EQUIPMENT								
86	BASE PROCURED EQUIPMENT	A		14.0		49.5		11.4	U

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
87	MEDICAL/DENTAL EQUIPMENT	A		15.1		15.5		16.4	U
88	AIR BASE OPERABILITY	A		13.2		5.4		5.1	U
89	PHOTOGRAPHIC EQUIPMENT	A		1.4					U
90	PRODUCTIVITY CAPITAL INVESTMENT	A		5.3		5.3		5.4	U
91	MOBILITY EQUIPMENT	A		263.0		44.9		26.0	U
92	AIR CONDITIONERS	A		1.5					U
93	ITEMS LESS THAN $2M (BASE SUPPORT)	A		61.5		41.8		30.9	U
	SPECIAL SUPPORT PROJECTS								
94	PRODUCTION ACTIVITIES	A							
95	TECH SURV COUNTERMEASURES EQMT	A		4.0					U
96	DARP RC135	A		21.1		21.2		21.2	U
97	DARP, MRIGS	A		116.0		151.5		195.7	U
98	SELECTED ACTIVITIES	A							
99	SPECIAL UPDATE PROGRAM	A		223.9		267.2		467.6	U
100	DEFENSE SPACE RECONNAISSANCE PROG.	A		14.2		14.4		15.2	U
101	FIRST DESTINATION TRANSPORTATION	A		5.7					U
	TOTAL OTHER BASE MAINTENANCE AND SUPPORT EQUIP			14,418.7		12,229.9		13,482.6	
	BUDGET ACTIVITY 05: SPARES AND REPAIR PARTS								
	SPARES AND REPAIR PARTS								
102	SPARES AND REPAIR PARTS	A		44.8		29.9		28.6	U

DEPARTMENT OF THE AIR FORCE
FY 2007 PROCUREMENT PROGRAM EXHIBIT P-1

APPROPRIATION: 3080F OTHER PROCUREMENT, AIR FORCE DATE: 27 JAN 2006

MILLIONS OF DOLLARS

LINE NO	ITEM NOMENCLATURE	IDENT CODE	FY 2005 QUANTITY	FY 2005 COST	FY 2006 QUANTITY	FY 2006 COST	FY 2007 QUANTITY	FY 2007 COST	SEC
103	SPARES AND REPAIR PARTS	A		.3					U
	TOTAL SPARES AND REPAIR PARTS			45.1		29.9		28.6	
	TOTAL OTHER PROCUREMENT, AIR FORCE			16,493.1		14,026.2		15,408.1	

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

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VEHICULAR EQUIPMENT

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ARMORED VEHICLE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$249	$496	$487	$522	$533	$546	$554

Description:

The Air Force Office of Special Investigations (AFOSI) has responsibility for non-tactical Heavy Armored Vehicles (HAVs) for the Air Force. The HAVs are used during Protective Service Operations (PSO) to transport permanent party, visiting senior military, DOD civilian officials, and Senior Executive and Legislative Branch dignitaries within designated high terrorist threat areas. Examples of people supported: The President of the United States, members of Congress, dignitaries from federal agencies such as the Secretary of Treasury, Secretary/Under Secretaries of Defense, Secretary of the Air Force, Secretary of the Army, Chief of Staff of the Air Force, Vice Chief of Staff of the Air Force, Army Chief of Staff, and other military command officials.

HAV requirements are determined from threat assessments and vulnerability surveys of terrorist threats which are fully investigated and validated by U.S./foreign, federal and military (e.g., CIA and DOD) counterintelligence and antiterrorism experts. Based on the current threat assessment, AFOSI continues to have a validated global requirement for 12 HAVs. All of the vehicles are located overseas. AFOSI has sole responsibility for Air Force HAV assets and maintains a rapidly aging fleet. Vehicles with factory-installed armor include strengthened suspension and brakes required to hold the weight of armor. Purchasing HAVs with factory- installed armoring reduces the risk of mechanical and armoring problems known to occur with after-market modified HAVs and preserves the vehicle warranty.

Our total inventory objective for Armored Vehicles is 12. FY07 purchases two Armored Vehicles. HAV requirements are two per year across the FYDP.

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ARMORED VEHICLE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HEAVY ARMORED SEDAN	A			1	$237	2	$496	2	$487
TOTALS:				1	$237	2	$496	2	$487

Remarks:

Cost information is in thousands of dollars.

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

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ARMORED VEHICLE

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
HEAVY ARMORED SEDAN									
FY2005	1	$237,000	AFMC/WR-ALC	FCA/FFP	DAIMLER/ CHRYSLER/ BERLIN, GERMANY	Sep-05	Jan-06		
FY2006	2	$248,000	AFMC/WR-ALC	FCA/FFP	(UNKNOWN)	May-06	Dec-06	Yes	
FY2007	2	$243,500	AFMC/WR-ALC	FCA/FFP	(UNKNOWN)	May-07	Dec-07	Yes	

Remarks:

Cost information is in actual dollars.

	P-1 ITEM NO		PAGE NO:		Page 1 of 1
	1		3		

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** PASSENGER CARRYING VEHICLES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$12,193	$16,473	$14,373	$17,868	$17,573	$18,489	$17,600

Description:

Passenger Carrying Vehicles includes the procurement of Sedans, Station Wagons, Law Enforcement Sedans, Ambulances and Buses. These vehicles are general in nature, but they fulfill unique and distinct needs commensurate with their design:

Sedans are available in compact, mid-size, and large, and are used to support a variety of functions and missions at all levels of the Air Force. A portion of these sedans are dedicated for use by the Office Special Investigation (OSI) and a portion are procured as chase cars used to support U-2 aircraft operations.

Station Wagons are mid-sized vehicles which are primarily used to transport personnel and light cargo. They are mostly used in overseas locations and some high security areas located near missile installations. They are also used in the maintenance and flying operation areas to support aircraft sortie generation.

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.

Ambulances include both bus ambulances and modular ambulances that are used for medical evacuation operations. 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 include a variety of commercial vehicles that support a broad range of mass transit requirements. Bus sizes range from the 16 passenger shuttle bus to the 52 passenger bus. These vehicles support Air Education and Training Command (AETC) training units, Air Force band organizations, protocol

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** PASSENGER CARRYING VEHICLES

Description (continued):

offices and several other missions.

Failure to provide these vehicles will reduce support to a wide spectrum of Air Force peacetime taskings and wartime mission requirements.

Total inventory objective for Passenger Carrying Vehicles is 3547. Our current procurement requirement for shortages and replacements is 1,631. FY07 purchases 153 passenger carrying vehicles.

In FY05, Passenger Carrying Vehicles received $276K in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relied Act, 2005.

In FY06, Passenger Carrying Vehicles received $2.803M in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** PASSENGER CARRYING VEHICLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMPACT SEDAN, UNITED STATES	A			12	$133	6	$73	20	$254
COMPACT SEDAN, JAPAN	A			9	$88				
COMPACT SEDAN, UNITED STATES, BIFUEL	A					1	$14	1	$14
COMPACT SEDAN, SINGAPORE	A			3	$51				
COMPACT SEDAN, OFFICE OF SPECIAL INVESTIGATIONS (OSI)	A			24	$457	30	$741		
MIDSIZE SEDAN, UNITED STATES	A			2	$34	2	$34	8	$140
MIDSIZE SEDAN, USAFE	A			6	$155	4	$93		
LARGE SEDAN, UNITED STATES	A					1	$19		
SUBCOMPACT SEDAN, UNITED STATES	A			3	$100	2	$68	1	$35
STATION WAGON, UNITED STATES	A			14	$271	6	$120	6	$120
STATION WAGON, JAPAN	A			1	$14			3	$44
STATION WAGON, GERMANY	A			10	$91				
STATION WAGON, UNITED STATES, BIFUEL	A			2	$46	3	$83	3	$86
L.E. SEDAN, UNITED STATES	A			60	$954	33	$558	12	$210
L.E. SEDAN, JAPAN	A			3	$42	7	$98	13	$189

	P-1 ITEM NO		PAGE NO:		
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A) | **DATE:** FEBRUARY 2006

APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
L.E. SEDAN, UNITED STATES, BIFUEL	A			6	$153	4	$105	3	$85
AMB, 44 PAX CONV US	A			2	$182	14	$1,404	13	$1,397
AMB, MOD 4X4	A			15	$1,077	27	$1,961	6	$470
AMB, MOD 4X4	A			3	$229				
AMB, MOD 4X4 JAPAN	A					3	$247		
AMB, MOD 4X2 US	A			2	$139	5	$366	4	$300
AMB, MOD 4X2 JAPAN	A							6	$480
BUS, 41 PAX US	A			3	$990	6	$1,952	18	$5,873
BUS, 16 PAX US	A			10	$464	2	$104	8	$428
BUS, 16 PAX US BIFUEL	A					4	$344		
BUS, 28 PAX	A			56	$3,906	38	$2,660	11	$798
BUS, 28 PAX US CNG	A					4	$342		
BUS, 44 PAX US	A			35	$2,618	35	$2,651	23	$1,760
BUS, 44 PAX US CNG	A					2	$180		
BUS, 44 PAX JAPAN	A					1	$76	3	$230

	P-1 ITEM NO		PAGE NO:		Page 2 of 3
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** PASSENGER CARRYING VEHICLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BUS, 44 PAX MED US	A					2	$250	11	$1,342
BUS, 23 PAX SURREY	A					3	$175	2	$120
BUS, 41 PAX JAPAN	A					5	$1,753		
TOTALS:				281	$12,193	250	$16,473	175	$14,373

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO		PAGE NO:		Page 3 of 3
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
COMPACT SEDAN, UNITED STATES									
FY2005(1)	12	$11,103	AFMC/WR-ALC	MIPR/FFP	GSA/ DCX/ SOUTHFIELD, MI	Mar-05	Jun-05		
FY2006	6	$12,244	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	20	$12,700	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
COMPACT SEDAN, JAPAN									
FY2005(2)	9	$9,797	AFMC/WR-ALC	MIPR/FFP	MITSUBISHI/ TOKYO, JA	Mar-05	May-05		
COMPACT SEDAN, UNITED STATES, BIFUEL									
FY2006	1	$14,038	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Apr-06	Jul-06	Yes	
FY2007	1	$14,450	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Apr-07	Jul-07	Yes	
COMPACT SEDAN, SINGAPORE									
FY2005	3	$17,034	AFMC/WR-ALC	FCA/FFP	PACAF (UNKNOWN)	Mar-06	Oct-06	Yes	
COMPACT SEDAN, OFFICE OF SPECIAL INVESTIGATIONS (OSI)									
FY2005	24	$19,023	AFMC/WR-ALC	FCA/FFP	OSI (UNKNOWN)	Mar-06	Jun-06	Yes	
FY2006	30	$24,689	AFMC/WR-ALC	FCA/FFP	OSI (UNKNOWN)	Apr-06	Jul-06	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
MIDSIZE SEDAN, UNITED STATES									
FY2005	2	$16,775	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jul-06	Yes	
FY2006	2	$17,131	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jul-06	Yes	
FY2007	8	$17,487	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-07	Jul-07	Yes	
MIDSIZE SEDAN, USAFE									
FY2005	6	$25,784	AFMC/WR-ALC	FCA/FFP	UNKNOWN	Mar-06	May-06	Yes	
FY2006	4	$23,306	AFMC/WR-ALC	FCA/FFP	UNKNOWN	Mar-06	Oct-06	Yes	
LARGE SEDAN, UNITED STATES									
FY2006	1	$19,000	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jul-06	Yes	
SUBCOMPACT SEDAN, UNITED STATES									
FY2005(3)	3	$33,295	AFMC/WR-ALC	FCA/FFP	CENTRAL VALLEY BUICK/ MANTECA, CA	Apr-05	May-05		
FY2006	2	$34,000	AFMC/WR-ALC	FCA/FFP	HQ ACC/ UNKNOWN	Apr-06	May-06	Yes	
FY2007	1	$35,000	AFMC/WR-ALC	FCA/FFP	HQ ACC/ UNKNOWN	Apr-07	May-07	Yes	
STATION WAGON, UNITED STATES									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2005(1)	14	$19,371	AFMC/WR-ALC	MIPR/FFP	GSA/ DCX/ SOUTHFIELD, MI	Mar-05	Aug-05		
FY2006	6	$20,000	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	6	$20,000	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
STATION WAGON, JAPAN									
FY2005(4)	1	$13,549	AFMC/WR-ALC	MIPR/FFP	NAVY/ OKINAWA MAZDA/ OKINAWA, JA	Jun-05	Aug-05		
FY2007	3	$14,500	AFMC/WR-ALC	MIPR/FFP	NAVY/ UNKNOWN	Apr-07	Jun-07	Yes	
STATION WAGON, GERMANY									
FY2005	10	$9,124	AFMC/WR-ALC	FCA/FFP	USAFE (UNKNOWN)	Mar-06	Sep-06	Yes	
STATION WAGON, UNITED STATES, BIFUEL									
FY2005	2	$23,205	AFMC/WR-ALC	MIPR/OTH/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2006	3	$27,802	AFMC/WR-ALC	MIPR/OTH/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	3	$28,550	AFMC/WR-ALC	MIPR/OTH/FFP	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
L.E. SEDAN, UNITED STATES									
FY2005(5)	60	$15,902	AFMC/WR-ALC	MIPR/FFP	GSA/ GM/ DETROIT, MI	Feb-05	May-05		

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006	33	$16,901	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	12	$17,500	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
L.E. SEDAN, JAPAN									
FY2005(6)	3	$13,900	AFMC/WR-ALC	MIPR/FFP	NAVY/ MITSUBISHI/ TOKYO, JA	Apr-05	Jul-05		
FY2006	7	$14,033	AFMC/WR-ALC	MIPR/FFP	NAVY/ UNKNOWN	Apr-06	Jun-06	Yes	
FY2007	13	$14,550	AFMC/WR-ALC	MIPR/FFP	NAVY/ UNKNOWN	Apr-07	Jun-07	Yes	
L.E. SEDAN, UNITED STATES, BIFUEL									
FY2005	6	$25,469	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2006	4	$26,249	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Apr-06	Jun-06	Yes	
FY2007	3	$28,250	AFMC/WR-ALC	MIPR/FFP	GSA/ UNKNOWN	Apr-07	Jun-07	Yes	
AMB, 44 PAX CONV US									
FY2005(7)	2	$91,016	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Mar-05	Sep-05		
FY2006	14	$100,289	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Apr-06	Sep-06	Yes	
FY2007	13	$107,450	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Apr-07	Sep-07	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
AMB, MOD 4X4									
FY2005(8)	15	$71,829	AFMC/WR-ALC	MIPR/IDIQ	GSA/ WHEELED COACH/ WINTER PARK, FL	Mar-05	Aug-05		
FY2005(8)	3	$76,301	AFMC/WR-ALC	MIPR/IDIQ	GSA/ WHEELED COACH/ WINTER PARK, FL	Dec-05	Jun-06		
FY2006	27	$72,640	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Apr-06	Aug-06	Yes	
FY2007	6	$78,250	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Apr-07	Aug-07	Yes	
AMB, MOD 4X4 JAPAN									
FY2006	3	$82,400	AFMC/WR-ALC	MIPR/FFP	PACAF (UNKNOWN)	May-06	Sep-06	Yes	
AMB, MOD 4X2 US									
FY2005(8)	2	$69,256	AFMC/WR-ALC	MIPR/IDIQ	GSA/ WHEELED COACH/ WINTER PARK, FL	Mar-05	Dec-05		
FY2006	5	$73,250	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Sep-06	Yes	
FY2007	4	$75,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Sep-07	Yes	
AMB, MOD 4X2 JAPAN									
FY2007	6	$80,000	AFMC/WR-ALC	MIPR/FFP	PACAF (UNKNOWN)	Mar-07	Sep-07	Yes	
BUS, 41 PAX US									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2005(9)	3	$330,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Mar-05	Jan-06		
FY2006	6	$325,409	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Jan-07	Yes	
FY2007	18	$326,250	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Jan-08	Yes	
BUS, 16 PAX US									
FY2005(7)	10	$46,350	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	Mar-05	Aug-05		
FY2006	2	$52,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Feb-06	Aug-06	Yes	
FY2007	8	$53,500	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Feb-07	Aug-07	Yes	
BUS, 16 PAX US BIFUEL									
FY2006	4	$86,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
BUS, 28 PAX									
FY2005(10)	56	$69,756	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	May-05	Oct-05		
FY2006	38	$70,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Aug-06	Yes	
FY2007	11	$72,550	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Aug-07	Yes	
BUS, 28 PAX US CNG									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006	4	$85,577	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Apr-06	Jun-06	Yes	
BUS, 44 PAX US									
FY2005(10)	35	$74,802	AFMC/WR-ALC	MIPR/IDIQ	GSA/ BLUE BIRD/ FT VALLEY, GA	May-05	Oct-05		
FY2006	35	$75,743	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Sep-06	Yes	
FY2007	23	$76,505	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Sep-07	Yes	
BUS, 44 PAX US CNG									
FY2006	2	$89,877	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Jul-06	Yes	
BUS, 44 PAX JAPAN									
FY2006	1	$75,694	AFMC/WR-ALC	MIPR/FFP	PACAF (UNKNOWN)	Apr-06	Jun-06	Yes	
FY2007	3	$76,694	AFMC/WR-ALC	MIPR/FFP	PACAF (UNKNOWN)	Apr-07	Jun-07	Yes	
BUS, 44 PAX MED US									
FY2006	2	$125,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	11	$122,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
BUS, 23 PAX SURREY									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006	3	$58,385	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-06	Jun-06	Yes	
FY2007	2	$60,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ UNKNOWN	Mar-07	Jun-07	Yes	
BUS, 41 PAX JAPAN									
FY2006	5	$350,568	AFMC/WR-ALC	MIPR/FFP	PACAF (UNKNOWN)	Apr-06	Oct-06	Yes	

Remarks:

Cost information is in actual dollars.

(1) Contract awarded on GSA schedule number GSFR-0007 7 Mar 05.
(2) Navy contract number FA5209-05-F0368 awarded 31 Mar 05.
(3) Navy contract number FA4686-05-P0047 awarded 25 Apr 05.
(4) Navy contract number FA5209-05-P0522 awarded 14 Jun 05.
(5) Contract awarded on GSA schedule number GS30FR-0005 24 Feb 05.
(6) Navy contract number FA5209-05-P0430 awarded 26 Apr 05.
(7) Contract awarded on GSA schedule number GS30FL-0006 8 Mar 05.
(8) Contract awarded on GSA schedule number GS30FN-0007 31 Mar 05 and 15 DE 05 (split award).
(9) Contract awarded on GSA schedule number GS30FL-0022 14 Mar 05.
(10) Contract awarded on GSA schedule number GS30FL-0006 26 May 05.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** MEDIUM TACTICAL VEHICLES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$21,387	$12,883	$21,003	$25,801	$23,057	$23,836	$23,769

Description:

These cargo trucks consist of a Family of Medium Tactical Vehicles (FMTVs), which have the capability to 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 US Army uses them extensively. It is crucial that the Air Force utilize these trucks to enhance joint operations with the Army and to maintain commonality, compatibility of parts, and reciprocal maintenance support. These tactical vehicles are critical to the Air Force's war fighting capability. Shortfalls of these vehicle types will degrade execution of operations plans and result in mission support and sustainment degradation. They are crucial in mission support and sustainment efforts for contingency operations.

Our total inventory objective for Family Medium Tactical Vehicles is 3,474. Our current procurement requirement for shortages and replacements is 2,653. FY07 procures 134 vehicles.

Additional funding has been added to this P-1 line due to the critical nature of the assets.

In FY05, Medium Tactical Vehicles received $5.127M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
MEDIUM TACTICAL VEHICLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRK, CGO, MTV, M1078A1 2.5 T	A			80	$11,055	38	$5,451	80	$11,494
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T	A			55	$8,202	36	$5,226	38	$5,756
TRK, TRACTOR, M1088 5 T	A			1	$164			3	$530
TRK, WRECKER, M1089A1 5 T	A			6	$1,966	6	$2,207	6	$2,254
TRK, CGO, MTV, M1083A1, W/WINCH 5T	A							7	$969
TOTALS:				142	$21,387	80	$12,883	134	$21,003

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
TRK, CGO, MTV, M1078A1 2.5 T(1)									
FY2005(1)	80	$138,191	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Feb-05	Mar-06		
FY2006(1)	38	$143,438	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-06	Mar-07	Yes	
FY2007(1)	80	$143,677	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-07	Mar-08	Yes	
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T									
FY2005(1)	55	$149,121	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Apr-05	Dec-05		
FY2006(1)	36	$145,159	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-06	Mar-07	Yes	
FY2007(1)	38	$151,477	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-07	Mar-08	Yes	
TRK, TRACTOR, M1088 5 T									
FY2005(1)	1	$164,257	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Apr-05	Feb-06		
FY2007(1)	3	$176,775	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-07	Mar-08	Yes	
TRK, WRECKER, M1089A1 5 T									
FY2005(1)	6	$327,638	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Apr-05	Jun-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006(1)	6	$367,770	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-06	May-07	Yes	
FY2007(1)	6	$375,602	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-07	May-08	Yes	
TRK, CGO, MTV, M1083A1, W/WINCH 5T									
FY2007(1)	7	$138,396	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/ STEWART & STEVENSON/ SEALY, TX	Mar-07	May-08	Yes	

Remarks:

Cost information is in actual dollars.

(1) Five year contract DAAE07-03-C-S023 awarded 17 Apr 03.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HIGH MOBILITY VEHICLE (MYP)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$7,522	$3,212	$4,072	$6,516	$8,604	$8,685	$8,824

Description:

This program includes the procurement of High Mobility Multi-Purpose Wheeled Vehicles (HMMWV). These vehicles have the capability to operate under tactical conditions in austere adverse terrain locations. They support security forces/force protection activities, civil engineering, including Rapid Engineer Deployable Heavy Operational Repair units, Engineering (RED HORSE) units, Combat Communication Flights, and Air Force Special Operations Forces airlift units. The M1097A2 model serves as the prime tactical vehicle for the US Army. Commonality and compatibility of parts and standardized maintenance and supply support make this vehicle the logical choice for fulfilling Air Force requirements in a joint force environment. These vehicles are used in locations worldwide and in high intensity hostile environments. They are used by Combat Communications Flights, Air Support Operations Squadrons and other tactical, direct mission support units throughout Pacific Air Forces, Air Combat Command, and United States Air Forces in Europe, as well as other commands in the Air Force. These tactical vehicles are critical to our war fighting capability. This vehicle plays a vital role for personnel during deployments. There is not a work-around or suitable substitute item available for this tactical vehicle. The types of items contained within this P-1 line are critical (deployed) assets used in direct support of Air Force units including Air National Guard and Reserve components engaged in contingency operations.

Our total inventory objective for the High Mobility Vehicle is 1,968. Our current procurement requirement for shortages and replacements is 526. FY07 purchases 58 vehicles.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HIGH MOBILITY VEHICLE (MYP)

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M1097A2 HMMWV	A			103	$7,522	46	$3,212	58	$4,072
TOTALS:				103	$7,522	46	$3,212	58	$4,072

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HIGH MOBILITY VEHICLE (MYP)

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
M1097A2 HMMWV									
FY2005(1)	103	$73,029	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Apr-05	Aug-05		
FY2006(1)	46	$69,826	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-06	Mar-07	Yes	
FY2007(1)	58	$70,207	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-07	Mar-08	Yes	

Remarks:

Cost information is in actual dollars.

(1) Basic contract DAAE07-01-C-S001 awarded 6 Nov 00 with six options. Basic contract extended 1 Sep 05 to add four additional options.

	P-1 ITEM NO		PAGE NO:		
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** CAP VEHICLES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST **(in Thousands)**		$798	$810	$695	$865	$883	$905	$919

Description:

This program includes vehicles to support Civil Air Patrol (CAP) operational and management activities. The CAP program includes the procurement of vehicles to provide transportation for cadet and senior members attending meetings and functions of the AF auxiliary. Operational support applications include command and control for search and rescue, counterdrug, disaster relief, and training missions authorized as AF missions for their auxiliary.

Failure to provide funding for these vehicles will increase safety risks for transportation of over 20,000 CAP cadets and numerous ground teams who travel multiple times per year in support of rescue/relief missions and cadet activities. Several CAP vehicles are at their life expectancy, which necessitates replacement.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, ARMORED

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$3,058	$2,162	$8,432	$4,081	$2,799	$2,462	$3,427

Description:

This program provides funding for armored High Mobility Multipurpose Wheeled Vehicles (HMMWV). These vehicles consist of the standard diesel powered HMMWV utility truck with armor plating to provide ballistic protection for armament components, crew, and ammunition.

The Air Force and the Army jointly program these requirements to provide an armored vehicle that will satisfy both services' requirements. This vehicle satisfies Air Force Explosive Ordnance Disposal (EOD), Civil Engineering (CE), and Security Forces (SF) requirements as well as essential ongoing Force Protection/Anti-Terrorism efforts. EOD employs this vehicle as an unexploded ordinance teamwork platform; CE uses it to support damage assessment and as an Armored Personnel Carrier; and SF require this vehicle for force protection and Air Base Defense operations. In overseas locations, the Armored HMMWV is a must-have asset in meeting SF protection needs. The diverse environments within Southwest Asia require a vehicle that has 4X4 capability and provides adequate protection from hostile fire in dangerous situations. In stateside locations, the vehicle is used primarily in a nuclear support role as directed by DOD Directive 5210.41-M, Nuclear Weapon Security Manual. The directive requires suitable security vehicles that enhance mobility and meet the highest standards of reliability and maintainability. 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.

Our total inventory objective for the Armored HMMWV is 886. Our current procurement requirement for shortages and replacements is 630. FY07 purchases 112 Armored HMMWVs.

Additional funding has been added to this P-1 line due to the critical nature of these assets.

In FY05, Armored HMMWV received $684K in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, ARMORED

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HMMWV, ARMORED (M1025A2)	A			27	$3,058	29	$2,162	112	$8,432
TOTALS:				27	$3,058	29	$2,162	112	$8,432

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO		PAGE NO:		
	15		26		Page 1 of 1

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, ARMORED

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, ARMORED (M1025A2)(1)									
FY2005(1)	27	$113,259	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Jan-06	Jan-07		
FY2006(1)	29	$74,551	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-06	Mar-07	Yes	
FY2007(1)	112	$75,285	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-07	Mar-08	Yes	

Remarks:

Cost information is in actual dollars.

(1) Basic contract DAAE07-01-C-S001 awarded 06 Nov 00 with six options. Contract extended to add four additional options 1 Sep 05.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, UP-ARMORED

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$17,360	$13,308	$11,334	$4,385	$7,345	$7,526	$8,335

Description:

This program provides funding for Up-Armored High Mobility Multipurpose Wheeled Vehicles (HMMWV). These vehicles consist of the standard diesel powered HMMWV utility truck with armor plating to provide ballistic protection for armament components, crew, and ammunition. The Up-Armored HMMWV provides protection from land mines and aerial bursts of munitions in addition to the protection offered by the standard Armored HMMWV.

The Air Force and the Army jointly program these requirements to provide an armored vehicle that will satisfy both services' requirements. This vehicle satisfies Air Force Explosive Ordnance Disposal (EOD), Civil Engineering (CE), and Security Forces (SF) requirements as well as essential ongoing Force Protection/Anti-Terrorism efforts. EOD employs this vehicle as an unexploded ordinance teamwork platform; CE uses it to support damage assessment and as an Armored Personnel Carrier; and SF require this vehicle for force protection and Air Base Defense operations. In overseas locations, the Up-Armored HMMWV is a must-have asset in meeting SF protection needs. The diverse environments within Southwest Asia require a vehicle that has 4X4 capability and provides adequate protection from hostile fire in dangerous situations. In stateside locations, the vehicle is used primarily in a nuclear support role as directed by DOD Directive 5210.41-M, Nuclear Weapon Security Manual. The directive requires suitable security vehicles that enhance mobility and meet the highest standards of reliability and maintainability. 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. Our total inventory objective for the Up-Armored HMMWV is 1045. Our current procurement requirement for shortages and replacements is 272. FY07 purchases 61 Up-Armored HMMWVs.

In FY05, Up-Armored HMMWV received $8.618M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

In FY06, Up-Armored HMMWV received $2.4M in additional funding under Title IX of the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, UP-ARMORED

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HMMWV, UPARMORED (M1116)	A			86	$14,850	44	$8,230	53	$10,029
HMMWV, UPARMORED (M1145)	A			15	$2,510	30	$5,078	8	$1,305
TOTALS:				101	$17,360	74	$13,308	61	$11,334

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HMMWV, UP-ARMORED

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, UPARMORED (M1116)									
FY2005(1)	86	$172,680	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Feb-05	Dec-05		
FY2006(1)	44	$187,047	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-06	Mar-07	Yes	
FY2007(1)	53	$189,220	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-07	Mar-08	Yes	
HMMWV, UPARMORED (M1145)									
FY2005(1)	15	$167,301	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Apr-05	Dec-05		
FY2006(1)	30	$169,263	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-06	Mar-07	Yes	
FY2007(1)	8	$163,166	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AM GENERAL/ SOUTH BEND, IN	Mar-07	Mar-08	Yes	

Remarks:

Cost information is in actual dollars.

(1) Basic contracts DAAE07-00-C-S019 and DAAE07-01-C-S001 awarded 10 Apr 00 and 06 Nov 00 with six options each. Basic contracts extended 1 Sep 05 to add four additional options.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** FIRE FIGHTING/CRASH RESCUE VEHICLES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$18,167	$21,126	$21,492	$23,468	$24,743	$26,194	$25,674

Description:

1. This P-1 line procures various groups of critical fire fighting and crash rescue vehicles.

2. The P-19 Crash Truck is an Air Rescue and Fire Fighting (ARFF) vehicle that is the first response vehicle on the scene of an aircraft fire emergency. It equips bases with the capability to rapidly extinguish aircraft fires. This truck is a mandatory flight line operations safety requirement and is essential at bases that have a flying mission. The P-19 also provides fire-fighting capability for Air National Guard and Air Force Reserve installations located at municipal airports. An installation's P-19 requirement is determined by the type of aircraft frequenting the aerial facility and the resulting gallons per minute of fire fighting agent required. This vehicle provides aircrew, passenger, weapons, and airframe fire protection at a crash site.

3. The P-23 Crash Truck is a larger version of the P-19 ARFF truck and has a larger fire suppression agent capacity.

4. The P-26 Water Tanker Truck is a 4000-gallon re-supply truck used to support the ARFF vehicle and to fight wild land fires.

5. The P-24 4x4 Pumper Truck is designed primarily to fight structural fires. It has a 750-gallon water tank and a 50-gallon Aqueous Film Forming Foam (AFFF) class "A" foam tank. It is capable of applying 1250 gallons per minute to a fire. The P-24 is built on a rugged 4x4 chassis that equips forces with limited off-road/rugged terrain capability. The P-22 4x2 Pumper Truck has the same fire fighting capability as the P-24 but is used in urban areas.

6. The Fire Fighting Quint Truck is a large structural fire fighting pumper truck with a 75- or 105- foot aerial platform. It provides improved agent delivery over older models as well as the elevated delivery capability that older pumper trucks lack.

7. The P-31 Hazardous Material Vehicle is a dual-purpose vehicle that stows and transports hazardous material response equipment for the purpose of mitigating chemical leaks, spills, and releases. This vehicle also provides an incident command workstation area for the purpose of research, command,

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** FIRE FIGHTING/CRASH RESCUE VEHICLES

Description (continued):

control, and communications during containment/cleanup operations.

8. The P-28 Heavy Rescue Vehicle is usually located at larger industrial bases and provides over 700 cubic feet of equipment storage space. This vehicle also provides lighting, a winch, and generator power at the rescue event.

9. These vehicles are built to meet National Fire Protection Association (NFPA), Occupational Safety and Health Administration (OSHA), Federal Aviation Administration (FAA), and Air Force safety regulations.

10. The total inventory objective for this P-1 line is 1,539. Current procurement requirement for shortages and replacement is 935. FY07 purchases 38 fire fighting vehicles.

11. In FY05, Fire Fighting/Crash Rescue Vehicles received $2.084M in additional funding under P.L 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

12. Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
FIRE FIGHTING/CRASH RESCUE VEHICLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRUCK, CRASH P-19	A			22	$15,514	20	$14,345	17	$12,519
TRUCK, CRASH P-19	A			2	$1,400				
TRUCK, CRASH P-19	A			2	$1,253				
TRUCK, CRASH P-23	A					1	$512	2	$1,180
TRUCK, WATER TANKER P-26	A					8	$2,298	5	$1,495
TRUCK, PUMPER 4X4 P-24	A					1	$402	4	$1,666
TRUCK, PUMPER 4X2 P-22	A					5	$1,886	4	$1,564
TRUCK, FIREFIGHTING QUINT	A					1	$542	4	$2,237
VEHICLE, HAZARDOUS MATERIAL P-31	A					1	$370	1	$384
VEHICLE, HEAVY RESCUE P-28	A					2	$771	1	$448
TOTALS:				26	$18,167	39	$21,126	38	$21,492

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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									
FY2005	22	$705,182	AFMC/WR-ALC	MIPR/IDIQ	DSCP/ OSHKOSH TRK CORP/ OSHKOSH, WI	Sep-05	Dec-06		
FY2005	2	$700,000	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Jan-06	Feb-07		
FY2005	2	$626,498	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2006	20	$717,241	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	17	$736,398	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
TRUCK, CRASH P-23									
FY2006	1	$512,231	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	2	$589,962	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
TRUCK, WATER TANKER P-26									
FY2006	8	$287,231	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	5	$298,997	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Jan-07	Jan-08	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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, PUMPER 4X4 P-24									
FY2006	1	$402,230	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Sep-07	Yes	
FY2007	4	$416,392	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
TRUCK, PUMPER 4X2 P-22									
FY2006	5	$377,230	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	4	$390,887	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
TRUCK, FIREFIGHTING QUINT									
FY2006	1	$542,230	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	4	$559,355	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
VEHICLE, HAZARDOUS MATERIAL P-31									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006	1	$369,969	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	1	$383,526	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	
VEHICLE, HEAVY RESCUE P-28									
FY2006	2	$385,261	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-06	Mar-07	Yes	
FY2007	1	$448,263	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-07	Mar-08	Yes	

Remarks:
Cost information is in actual dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** HALVORSEN LOADER

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY		25	25	0				
COST (in Thousands)		$21,421	$22,012	$8,211	$0	$0	$0	$0

Description:

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.

The Air Force needs to replace its fleet of aging, worn-out, limited-capability Materiel Handling Equipment (MHE). Many existing 25K loaders have exceeded their service life expectancy and are sustained by continual depot overhaul and intensive base-level maintenance. In addition, nearly 39 percent of the remaining legacy 25K loaders are over 37 years old and are prone to frame cracks, limiting service life extension potential during overhaul.

The Halvorsen loader, in conjunction with the Tunner loader, is an integral part of the airlift system during peacetime logistics missions and assures minimum ground times for increased capability during wartime and contingency surges.

The Air Force intends to implement Contractor Logistics Support (CLS) as the long-term sustainment solution for the Halvorsen fleet. Development of a full CLS program will not be complete until FY08. In order to provide interim sustainment support and posture the program for transition to CLS, the program must convert from the current limited production support to an Interim Contractor Support (ICS) arrangement. Funding for ICS is sourced within the overall program until the CLS contract is available. Therefore, FY07 dollars will be used to fund ICS.

In FY06, Halvorsen received a $6M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
HALVORSEN LOADER

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
HALVORSEN	A				25	$488,298	$12,207	25	$629,112	$15,728			
PRODUCTION SUPPORT							$5,267			$1,911			
SUPPLY SUPPORT							$504			$662			
INTERIM CONTRACT SUPPORT (ICS)							$3,443			$3,711			$8,211
TOTALS:					25		$21,421	25		$22,012			$8,211

Remarks:
Total Cost information is in thousands of dollars.

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

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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									
FY2005(1)	25	$488,298	AFMC/WR-ALC	OPT/FFP	FMC/ ORLANDO, FL	Dec-04	Jan-05		
FY2006(2)	25	$629,112	AFMC/WR-ALC	SS/FFP W/OPT	FMC/ ORLANDO, FL	Feb-06	May-06	Yes	

Remarks:

Cost information is in actual dollars.

(1) Basic contract F33657-00-D-0023 awarded 22 Jun 00 with four options. Last option exercised for a quantity of 25 ea 16 Dec 04.
(2) Basic contract FA8519-06-D-0001 with one option year will be awarded 17 Feb 06.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$27,602	$21,732	$30,260	$25,151	$22,949	$25,144	$25,340

Description:

This program procures a group of snow removal vehicles and commercial sweepers used on all airfield surfaces to remove snow and help prevent foreign object damage (FOD) to aircraft engines and tires. Snow removal equipment includes front mounted brooms, multi-purpose blowers, and plows. These vehicles provide critical mission support to airfield operations because fighter aircraft cannot land or take off with ice on the runway. Multi-purpose vacuum sweepers maintain airfields, roads, and grounds. Vacuum sweepers provide equally important support at all air bases due to the high cost of FOD and the potential for loss in FOD-related engine accidents. These assets are critical to the Air Force mission. They are the primary players in keeping runways safe and usable year round, especially in winter when snow and ice buildup can close an airfield. 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.

Our total inventory objective for Runway Snow Removal and Cleaning Equipment is 1,625. Our current procurement requirement is 834. FY07 procures 121 Runway Snow Removal and Cleaning Equipment vehicles.

Additional funding has been added to this due to the critical nature of the assets.

In FY05, Runway Snow Removal and Cleaning Equipment vehicles received $819K in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CLEANER, VAC MULTIPURPOSE	A			25	$2,749	10	$1,128	10	$1,149
CLEANER, VAC MULTIPURPOSE	A			6	$660				
SNOW REMOVAL UNIT 3K TON PER HOUR	A			9	$3,131	19	$6,351	20	$6,823
RAPID RUNWAY REPAIR DIRT SWEEPER	A			11	$619	9	$506	18	$1,082
RAPID RUNWAY REPAIR DIRT SWEEPER	A			3	$169				
DUMP W/SNOW PLOW 2	A			3	$289				
54K PLOW	A					4	$998	4	$1,019
DUMP W/SNOW PLOW	A			7	$665	19	$3,078	24	$3,963
45K REVERSIBLE PLOW	A			36	$8,734	20	$7,275	23	$8,539
SNOW BROOM AND BLOWER	A			23	$8,117	7	$2,396	22	$7,684
SNOW BROOM AND BLOWER	A			7	$2,470				
TOTALS:				130	$27,602	88	$21,732	121	$30,260

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
CLEANER, VAC MULTIPURPOSE									
FY2005(1)	25	$109,940	AFMC/WR-ALC	MIPR/IDIQ	DLA/ TYMCO INC/ WACO, TX	Jul-05	Dec-05		
FY2005	6	$109,940	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Jul-06	Dec-06	Yes	
FY2006	10	$112,750	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Aug-06	Yes	
FY2007	10	$114,923	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Aug-07	Yes	
SNOW REMOVAL UNIT 3K TON PER HOUR									
FY2005(2)	9	$347,934	AFMC/WR-ALC	MIPR/IDIQ	DLA/ OSKOSH/ OSKOSH, WI	Nov-05	Sep-06		
FY2006	19	$334,274	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Nov-06	Yes	
FY2007	20	$341,174	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Nov-07	Yes	
RAPID RUNWAY REPAIR DIRT SWEEPER									
FY2005	11	$56,240	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Jul-06	Yes	
FY2005	3	$56,240	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Jul-06	Yes	
FY2006	9	$56,202	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Jul-06	Yes	
FY2007	18	$60,096	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Jul-07	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
DUMP W/SNOW PLOW 2									
FY2005(3)	3	$96,468	AFMC/WR-ALC	MIPR/IDIQ	GSA/ NAV-INTERNATIONAL/ CHICAGO, IL	Apr-05	Oct-05		
54K PLOW									
FY2006	4	$249,616	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Sep-06	Yes	
FY2007	4	$254,852	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Sep-07	Yes	
DUMP W/SNOW PLOW									
FY2005(4)	7	$95,000	AFMC/WR-ALC	MIPR/IDIQ	GSA/ FREIGHTLINER INC./ PORTLAND, OR	Mar-05	Sep-05		
FY2006	19	$162,000	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Sep-06	Yes	
FY2007	24	$165,110	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Sep-07	Yes	
45K REVERSIBLE PLOW									
FY2005(2)	36	$242,615	AFMC/WR-ALC	MIPR/IDIQ	DLA/ OSKOSH/ OSKOSH, WI	Nov-05	Nov-06		
FY2006	20	$363,763	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Jan-07	Yes	
FY2007	23	$371,282	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Jan-08	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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									
FY2005(2)	23	$352,913	AFMC/WR-ALC	MIPR/IDIQ	DLA/ OSKOSH/ OSKOSH, WI	Oct-05	Oct-06		
FY2005	7	$352,793	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Apr-07	Yes	
FY2006	7	$342,250	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-06	Apr-07	Yes	
FY2007	22	$349,274	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-07	Apr-08	Yes	

Remarks:

Cost information is in actual dollars.

(1) DLA Contract number 01D0097 awarded 26 Jul 05.
(2) DLA Contract number 01D0066 awarded 15 Nov 05.
(3) Contract awarded on GSA schedule number GS30FR-0014 6 Apr 05.
(4) Contract awarded on GSA schedule number GS30FR-0015 15 Mar 05.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (VEHICLES)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$31,712	$10,519	$27,918	$36,049	$42,820	$45,507	$41,514

Description:

This program procures various vehicle groups with a cost of less than $5M. These vehicle groups consist of heavy wreckers, armored personnel carriers, maintenance/test vans, large capacity fork lifts, and heavy construction equipment (dozers, large cranes, large dump trucks, rock crushers, motorized scrapers, well-drilling vehicles, and compactors). The assets are critical to the Air Force mission and are key to keeping many sortie generation/sortie sustainment missions supported and operational. 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.

Our total inventory objective for Items Less Than $5M is 621. Our current procurement requirement for shortages and replacements is 457. FY07 procures 78 vehicles.

Additional funding has been added to this P-1 line due to the increased usage in the number of these vehicle types in worldwide disasters and ongoing contingency operations.

In FY05, Items Less Than $5M received $4.357M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (VEHICLES)

PROCUREMENT ITEMS	NSN			FY2007	
		QTY.	COST	QTY.	COST
TRUCK, WRECKER 5T	2320013544528			2	$676
TRUCK, TRACTOR XM1070	2320013189902			2	$724
TRUCK, LIQUID NITROGEN, C5A/B	2320000999346			6	$1,591
AVIONICS TEST VAN	2320004139738			3	$1,082
HI REACH 100 FT	2320004869951YW			4	$1,072
TRUCK, TELEPHONE MAINT S-90	2320004558464			8	$2,004
TRUCK, VAN CUSTOMIZED	2320010031959			3	$772
50K ALL TERRAIN CONTAINER HANDLER	3930013073658			2	$1,081
DOZER, T9	2410008165091			8	$2,777
TRUCK, DUMP 22 TON	3805009310616			6	$1,785
CRANE, 35T CRASH RECOVERY	3810010798358			4	$1,486
15T CRANE	3810003294154			6	$1,589
17T CRANE	3810005544103			2	$813

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (VEHICLES)

PROCUREMENT ITEMS	NSN			FY2007	
		QTY.	COST	QTY.	COST
45T CRANE	3810002729031			5	$2,198
ROCK CRUSH/SCREEN PLANT 25 TONS/HOUR	3820012180595			2	$838
CENTRAL CONCRETE MIX PLANT	3895010632722			2	$692
SCRAPER, MOTORIZED 18 CUBIC YARD	3805002349778			2	$692
CRUSHER HYDRAULIC TRUCK 65 TON	3810010388315			2	$1,060
WELL DRILLING SYSTEM	3820002869196			2	$2,842
SHEEPS FOOT COMPACTOR	3805013597626			2	$597
TRACTOR, WHEELED W/DOZER	2420005403881			2	$537
TRUCK, TRACTOR TOW U-30	1740013679485YW			3	$1,012
TOTALS:					$27,918

Remarks:

Cost information is in thousands of dollars.

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

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ELECTRONIC & TELECOMMUNICATIONS EQUIPMENT

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

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ELECTRONIC & TELECOMMUNICATIONS EQUIPMENT

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$34,240	$57,395	$121,763	$155,559	$197,089	$243,918	$305,350

Description:

This program funds procurement of Communications Security (COMSEC) equipment, ancillary encryption/decryption devices (the secure transport of data across networks to prevent unauthorized access), and related equipment. The program includes equipment upgrades and replacements which incorporate state-of-the-art technologies to provide critical mission war-fighter secure voice and data communications in space, tactical, strategic, and network applications for globally deployed cryptologic assets supporting Air Force (AF) and Department of Defense (DoD) missions. Supported systems fall within AF Information Systems Security (INFOSEC) and Information Assurance arenas. Development funding for this program is in Program Element (PE) 0303140F.

1. COMSEC EQUIPMENT:

a. SPACE COMMUNICATIONS SECURITY PRODUCTS (SPECIAL PROJECTS): Space COMSEC is on the front line of AF Space and Information superiority goals and provides communications security products to all DoD satellite systems. It enables secure Command and Control (C2) of DoD satellites and prevents unauthorized access and destruction. It enables secure transmission of satellite systems health and status telemetry data (satellite health and relative orbital position) to ground control stations, thus protecting critical information about the capabilities of DoD satellite systems. It provides secure transmission of information collected by satellite sensors, which provides the warfighter an integrated view of the battle space. Space COMSEC Products are grouped in the following primary product families with associated logistics support:

(1) Mission Data (Previously Named High Speed): FY07 funding provides for the Mission Data product family which provides secure transmission for large volumes of satellite sensor data to the ground station for processing. Specifically, Mission Data products are eight-channel downlink encryption products used in ground station processing facilities. Sensor satellites collect large volumes of data which must be transmitted to ground stations for processing. The data provides military leaders an integrated and interactive view of the entire battle space. The data collected and transmitted must remain protected to protect the interests of the nation. Current Mission Data Space COMSEC products achieve data rates up to 3.2

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

Gigabytes per second (Gbps). Future satellite system requirements will continue to push the limits of Mission Data satellite link products with estimates in the 10 Gbps range. Mission Data products average $2 million per unit due to cutting edge technology, multi-channel capacity, and low rate production.

(2) Mission Data Logistics: No FY07 funding is requested.

(3) Command/Telemetry (CMD/TLM): FY07 funding provides for CMD/TLM products providing secure transmission of satellite C2 uplinks and secure transmission of satellite telemetry and tracking data. All DoD satellite systems require secure C2 of the satellites, which make up the system and enable their missions. Satellite telemetry is securely transmitted from the satellite to ground station to protect health and status information about DoD satellite systems. Funds procure a family of Ground Operating Equipment (GOE), sustainment and ground station products. The family includes embedded and complete stand alone COMSEC products. CMD/TLM products cost from $10,000 for an embedded chip to $80,000 per unit for stand alone COMSEC units. The high cost can be attributed to the specialized government requirements and low rate production for satellite systems.

(4) Command/Telemetry (CMD/TLM) Logistics: FY07 funds provide for CMD/TLM Logistics. CMD/TLM Logistics provides life cycle support for the CMD/TLM Product Family.

b. AIR AND GROUND COMMUNICATIONS PROGRAM: The Air and Ground Communications Program incorporates a wide range of secure encryption products supporting AF, Inter-Service, and various DoD agency customers.

(1) Key Generators: FY07 funding supports Key Generator requirements. These products allow the transmission signal of critical emergency action message traffic to appear like normal background noise. The Key Generators include equipment which is the source of pseudo random key bits used to provide decryption and de-bandspreading of Very Low Frequency/Low Frequency (VLF/LF) communication links. They provide cryptographic security for all classifications of digital teletypewriter and data traffic and may feature synchronous and asynchronous ciphertext traffic.

(2) Secure Telephones: FY07 funds procure secure telephones which provide secure and nonsecure voice and data in digital or analog mode.

(3) Software System Upgrades: FY07 funds support software system upgrades. These upgrades incorporate the latest operating

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

software on COMSEC equipment.

(4) COMSEC Acquisition Reform (CAR): FY07 funding supports CAR, which is a program set up to support AF Major Commands that have emergency requirements for equipment. The CAR program provides the Cryptologic Systems Group (CPSG) a wide range of products required for the protection of classified information. Products include DoD Type I COMSEC equipment and commercial cryptography products. Readily available equipment at CPSG enables a quick turn around for customers requiring Commercial COMSEC Endorsement Program (CCEP) products.

(5) Support Equipment: FY07 funding provides equipment used in support of the Information Technology Assistance Center (ITAC). The ITAC provides technical expertise on information assurance products and solutions for AF customers. This expertise stems from integration testing of new security products and systems, providing systems engineering support to the field, embedded COMSEC certification activities and training support for AF INFOSEC engineers and equipment specialists.

(6) Secure Communications Voice/Data: FY07 funding supports Secure Communications Voice/Data products, which provide security for narrowband (slow transmission rates) and wideband (fast transmission rates) communications over AM/FM, VHF, UHF, half-duplex push-to-talk combat net radios, wireline systems and/or satellite systems.

(7) Network Encryption Systems: FY07 funding will provide equipment which provides confidentiality, data integrity and end-to-end authentication to protect data of all classification levels traversing Internet Protocol (IP) (ensures data can cross different networks to reach a final destination) tactical, strategic and/or Asynchronous Transfer Mode (ATM, a standard AF method of transferring data from one point to another) networks.

(8) Embedded Encryption Devices: FY07 funding provides embedded COMSEC modules developed for encrypting and decrypting serial Pulse Code Modulator (a technique in which an analog signal, such as a voice, is converted into a digital signal) data for airborne communications systems.

(9) Telemetry Encryption/Decryption Devices: FY07 funds will be used to secure weapon systems, aircraft telemetry and data link encryption applications at test ranges.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

c. CRYPTOGRAPHIC MODERNIZATION: The fundamental requirement of the Cryptographic Modernization (CM) Program is to develop a modern cryptographic capability that supports security, interoperability, flexibility and programming ability and Key Management Infrastructure (KMI) compatibility. The requirements dictated by cryptographic modernization apply to all Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) information technology (IT) systems employing Type 1 cryptography used to encrypt classified and sensitive information. This supports U.S. Government forces, operating unilaterally or in combination with multinational and interagency partners, with the security needed to protect the flow and exchange of operational decision-making information. The CM program enables information dominance by modernizing increasingly aging, yet increasingly important, cryptographic equipment Air Force-wide by providing secure communications that impact operations such as Identification Friend or Foe (IFF), Nuclear Command and Control (NC2), MILSTAR, GPS, space lift, satellite control, and other missions requiring secure information transfer. Between FY04 and FY06, the Air Force has dedicated $184M in RDT&E funding (PE 0303140F) to develop these products. FY07 CM funds represent the first year of initial production procurement and are a natural progression of the overall CM program from research to operational employment.

(1) Nuclear Command and Control (NC2) MINUTEMAN III: FY07 funding is required for end-item procurement as a direct result of completed RDT&E and begins full-scale efforts to procure these essential assets. The KI-22 is used to provide secure communications between the Minuteman III (MM III) Launch Control Center (LCC) and Launch Facility (LF) which includes LF status, targeting data, launch enable and launch authorization commands. The KI-22 is being replaced with a new cryptographic device named the KS-60. The KS-60 will be installed in the Launch Control Center (LCC), Launch Facility (LF) and Wing Code Processing System (WCPS). The KS-60 will replace all KI-22s throughout the MM III fleet at 500 LFs and 50 LCCs. The MM III WCPS, which provides support for encryption of codes and keys, will also be modified to support the new KS-60.

(2) Identification Friend/Foe (IFF): FY07 funding supports Identification Friend/Foe (IFF). IFF is a modernization effort that will be required to replace the cryptographic capabilities provided by the following current devices: KIT-1C, KIR-1C, KIV-2, KIV-2A, KIV-3 and KIV-6. Quantities required are 4,545 Single Function Appliquest 806 Combined Interrogator/Transponder Appliquest, and 167 Stand Alone Crypto. These devices are integrated into all airborne platforms and ground radar applications.

(3) Space Crypto: FY07 funds support modernization of COMSEC products supporting satellite mission ground stations, satellite command and control networks and all future satellite programs. Modernization began in the early 90's with the development of the CARDHOLDER and PEGASUS algorithms; however, products must be developed to integrate the new algorithms into future satellite systems. The Space Crypto program will

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

develop capabilities that transform legacy Space COMSEC products into an infrastructure that will support DoD network centric operations. Network centric operations is defined as an information superiority-enabled concept of operations that generates increased combat power by networking sensors, decision makers, and shooters to achieve shared awareness, increased speed of command, higher tempo of operations, greater lethality, increased survivability and a degree of self-synchronization.

(4) KEESEE: The modernization program that will replace cryptographic devices using the KEESEE algorithm that do not have a modernization program already established. The FY07 KOK-13 3080 requirement is to fund productionization. FY07 funds the initial setup for production of a modernized KEESEE-based cryptographic device (KOK-13).

(5) Link Encrypt Family (LEF): FY07 funds are a one-time procurement of modernized Link Encrypt Family (LEF) multi-purpose encryption devices compatible with current Link and Trunk encryptors. The LEF's primary mission is to protect classified and sensitive digital data in a multitude of network environments: point-to-point, netted, broadcast or high-speed trunk. A migration to newer devices is required for the following legacy crypto devices: KG-81, KG-81 Mod 5, KG-94, KG-94A, KG-194, KG-95 (-1, -2, -1DF, -2DF), KIV 19/19A, KG-84A and KIV 7. The migration for the above listed devices will comprise procuring two new commercially developed devices that meet NSA certification: KIV 7M and the KIV 19M.

d. AIR FORCE ELECTRONIC KEY MANAGEMENT SYSTEM (AFEKMS) - AIR FORCE KEY MANAGEMENT INFRASTRUCTURE (AF KMI): The AF's EKMS and KMI programs are Acquisition Category (ACAT) III and sustainment programs providing secure, flexible and timely upgrades to cryptographic key generation, distribution and management systems. AFEKMS sustains the current Electronic Key Management System. AF KMI modernizes the DoD's Crypto Key Management Infrastructure to provide secure, flexible and timely upgrades to cryptographic key generation, distribution and management capabilities and ensures the AF has a Cryptographic Modernized, Netcentric, Global Information Grid (GIG)-compatible Key Management infrastructure. These programs have been grouped together as they provide similar capabilities with the ultimate goal of transforming the capability to support net-centric operations under KMI

(1) Technical Updates: FY07 funding procures hardware and software products necessary for key management workstations.

(2) Tier 2 LAN/Net Key Management (Tier 2 LAN/NKM): FY07 funding provides server equipment, software applications, and user workstations for upgrade of the largest AF COMSEC accounts. Tier 2 LAN enables multiple COMSEC managers to access and perform functions within a

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

single COMSEC account improving efficiency of key management operations. NKM provides a Principal Distribution Center (PDC) server capability enabling crypto key and status information to be given to field users so they can load or update crypto key into crypto devices.

(3) KOV-21 Cards: No FY07 funding is requested.

(4) Simple Key Loader (SKL) with KOV-21 Cards: FY07 funding provides AN/PYQ-I0(C) Simple Key Loaders which replace the obsolete AN/CYZ-10 (Data Transfer Device), KYK-13, KOI-18 and KYX-15/15A. The SKLs will ultimately replace 40,000 AF units, but phase-in is incremental as operations transition from paper tape key. The KOV-21 cards are the crypto engine for all next generation key loading field management devices.

(5) Simple Key Loader (SKL) without KOV-21 Cards: No FY07 funding is requested.

(6) Program Support: FY07 funds program support for device production.

(7) Protect Channel: FY07 funding provides approved network protection encryption devices.

e. COMPUTER NETWORK SUPPORT: Computer network support provides Defensive Counter Information capability to protect AF computer systems and their information against deliberate or unintentional unauthorized intrusion, corruption and/or destruction. This program contains AF Information Warfare Center programs and initiatives to protect AF computers, whether they are stand-alone, networked, telephone switches or embedded in weapon systems, and provide Information Warfare threat prediction for AF systems.

(1) Computer Security Assistance Program (CSAP) Countermeasures: The Countermeasures Engineering Team (CMET) provides technical support for CSAP. The team designs, develops, tests and deploys information protection tools, products and services as countermeasures for use by the CSAP Assessment Teams, as well as AF, DoD and authorized national agencies. Data collected by the Assessment Teams directly influences development of countermeasure tools and drives the near real-time implementation of countermeasures in the field. FY07 funding procures hardware/software necessary for vulnerability analysis, vulnerability identification, countermeasure development and testing in an environment simulating the real-world operational environment. To keep pace with technology, new versions of these systems are continuously required.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

These systems provide daily support to the Air Force Network Operations and Security Center, Air Force Communications Agency, Defense Informations Systems Agency, Air Force Office of Special Investigations and other organizations, and are integral to the successful performance of the CMET mission. Annual system revisions are required to remain current with technology. Without the CSAP system, the security of AF networks may be compromised due to inadequate facilities to develop and test new intrusion detection signatures and investigate new technologies and architectures being integrated into AF networks.

f. PUBLIC KEY INFRASTRUCTURE (PKI): PKI provides services to support warfighter requirements. PKI provides the basic framework and services being put in place within DoD to ensure information systems security. It provides the capability to attach digital signatures to electronic documents for identity and to encrypt and decrypt electronic documents for secure transmission. Public Key-enabled applications afford confidentiality and authentication services to communications and/or network transactions, as well as verification of the data integrity and non-repudiation of those transactions. Prior to FY07 the PKI program came under Base Information Infrastructure P-1 Item No. 58. FY07 funding supports several different requirement areas to procure infrastructure equipment for the field in support of On-Line Certificate Status Protocol (OCSP), Deployable/Tactical PKI, and SIPRNET PKI.

(1) On-Line Certificate Status Protocol (OCSP): FY07 funds procure servers and repeaters that enable end users to determine if digital identities and signatures associated with web sites, email and computer applications were issued by a valid DoD source and are rescinded or revoked. This capability provides the best means for end users to validate the authenticity of information transiting the DoD networks and aid in the prevention of unauthorized access.

(2) Deployable/Tactical PKI: FY07 funds procure servers, routers, workstations and associated software to build an extension to the DoD PKI that can support operations in a deployed environment characterized by limited availability of bandwidth, limited logistical support and adverse climatic conditions. FY07 funding provides prototype equipment for product testing and refining concepts of operations. Unless PKI services are extended to the deployed environment, Operating Forces will be denied access to PKI protected information and computer applications provided from fixed locations in-garrison.

(3) SIPRNET PKI: FY 07 funding procures servers, repeaters, workstations and associated software needed to establish a parallel PKI on the SIPRNET. FY07 funds also procure NSA certified tokens (hardware storage devices for DOD issued digital identities) for use on the SIPRNET.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

Description (continued):

This capability enables end users to validate the authenticity of information transiting the SIPRNET and aids in managing access to classified information based on “need to know.”

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMSEC EQUIPMENT									
SPACE COMSEC					{$18,605,000}		{$15,705,912}		{$15,890,000}
MISSION DATA	A				$4,000,000		$6,000,000		$10,000,000
MISSION DATA LOGISTICS	A				$5,691,000				
CMD/TLM	A				$7,904,000		$9,118,056		$5,807,000
CMD/TLM LOGISTICS	A				$1,010,000		$587,856		$83,000
AIR & GROUND COMSEC (1)					{$9,557,000}		{$23,893,198}		{$11,230,000}
KEY GENERATORS	A				$3,297,900		$442,054		$350,000
SECURE TELEPHONES	A				$1,422,800		$673,686		$1,000,000
SOFTWARE SYSTEM UPGRADE	A								$200,000
CAR	A				$365,000		$76,095		$500,000
SUPPORT EQUIPMENT	A				$110,600		$130,000		$150,000
SECURE COMMUNICATIONS VOICE/DATA	A				$532,000				$480,000
NETWORK ENCRYPTION SYSTEMS	A				$3,189,300		$21,850,000		$8,240,000
EMBEDDED ENCRYPTION DEVICES	A				$242,000		$109,719		$255,000

	P-1 ITEM NO		PAGE NO:		Page 1 of 3
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TELEMETRY ENCRYPTION/DECRYPTION DEVICES	A				$397,400		$611,644		$55,000
CRYPTOGRAPHIC MODERNIZATION (2)									{$80,144,000}
NC2: MINUTEMAN III (KS-60)	A								$54,830,000
ID FRIEND/FOE (IFF)	A								$1,000,000
SPACE CRYPTO	A								$17,028,000
KEESEE	A								$699,000
LINK ENCRYPT FAMILY	A								$6,587,000
AFEKMS-AF KMI					{$4,100,000}		{$16,193,890}		{$7,680,000}
TECH UPDATES	A				$16,000		$226,000		$400
TIER 2 LAN/NKM	A						$250,000		$125,000
KOV-21 CARDS	A				$860,000		$3,615,000		
SIMPLE KEY LOADER (SKL) W/KOV-21 CARDS	A						$960,268		$7,041,200
SIMPLE KEY LOADER (SKL) W/O KOV-21 CARDS	A				$3,174,000		$11,027,450		
PROGRAM SUPPORT	A				$50,000		$35,172		$13,400
PROTECT CHANNEL	A						$80,000		$500,000

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	36		10		

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMSEC EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMPUTER NETWORK SUPPORT					{$1,978,000}		{$1,602,000}		{$1,847,000}
CSAP COUNTERMEASURES	A				$1,978,000		$1,602,000		$1,847,000
PUBLIC KEY INFRASTRUCTURE (PKI)									{$4,972,000}
OCSP	A								$1,759,000
DEPLOYABLE/TACTICAL PKI	A								$90,001
SIPRNET PKI	A								$3,122,998
TOTALS:					$34,240,000		$57,395,000		$121,763,000

Remarks:

Cost information is in actual dollars.

(1) Multiple equipment types and unit costs within various families of AIR & GROUND COMSEC PRODUCTS.
(2) Multiple types of long lead parts and unit costs exist within the NC2: MINUTEMAN III (KS-60) family and the SPACE CRYPTO family (CRYPTOGRAPHIC MODERNIZATION).

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MODIFICATIONS (COMSEC)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$460	$2,367	$692	$1,508	$1,545	$1,584	$1,610

Description:

The Communications Security (COMSEC) Modification activity ensures the integration, installation and sustainment of cryptographic equipment. This activity is a critical component in providing robust, secure global communications. It provides the warfighter with the security needed to protect the flow and exchange of operational decision-making information through the retrofit and modification of selected COMSEC equipment. These modification efforts ensure legacy equipment can meet current COMSEC operational environment requirements. The Air Force Electronic Systems Center's Cryptologic Systems Group, located at Lackland AFB, TX, programs and executes funding for modifications to products within the Air and Ground COMSEC and Space COMSEC programs such as:

1. NETWORK ENCRYPTION SYSTEM (Air and Ground): FY07 funding procures modifications to existing network encryption systems that provide confidentiality, data integrity, and end-to-end authentication to protect data at all classification levels.

2. SPACE COMSEC: FY07 funding provides replacement of critical components to maintain Space COMSEC life cycle requirements. As the obsolescence of parts occurs in the sustainment of the products, modifications must be implemented to keep the products operational for satellite programs.

Items requested in FY07 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MODIFICATIONS (COMSEC)

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MODIFICATIONS (COMSEC)					{$460}		{$2,367}		{$692}
NETWORK ENCRYPTION SYSTEMS	A								$204
SPACE COMSEC	A				$460		$2,367		$488
TOTALS:					$460		$2,367		$692

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE TRAINING EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$2,787	$4,681	$5,235	$5,357	$5,489	$5,626	$5,718

Description:

The Intelligence Training Equipment P-1 line procures equipment for use in initial, intermediate, and advanced training in the General Intelligence and Cryptologic/Signals Intelligence related career fields. The specific training areas this equipment supports are imagery, analysis, indications and warning, fusion, targeting, weaponeering, all communications (except communications security) and electronic intelligence, and intelligence systems maintenance training. The major focus of this program is to support functional training on new generation intelligence systems with an emphasis on computer-based training systems. This equipment is essential for preparing intelligence personnel to support warfighting commanders. This equipment is located at Goodfellow AFB, TX, where intelligence training is conducted. These systems support intelligence personnel training for all DoD agencies and services.

Goodfellow Intelligence Training Architecture (GITA) upgrade: The GITA upgrade encompasses consolidation of the unclassified and classified training networks at Goodfellow AFB. All current intelligence training equipment, including Intelligence Training Architecture (ITA) and other legacy intelligence training systems, will be incorporated in GITA. FY07 funds procure infrastructure upgrades such as replacement servers, workstations, switches, and printers for intelligence training systems that support intelligence initial skills and advanced skills training courses. These funds also support the development of the Enterprise Architecture, which consolidates multiple networks and systems into an integrated ITA. FY07 funds also procure replacement hardware for modernizing Interactive Courseware development labs, workstations supporting scenario based exercise training, and servers/equipment needed to meet Advanced Distributed Learning requirements. The growth in the requirement is due to increasing emphasis on operational intelligence training and the need to be able to deploy training on demand to various sites as necessary, rather than students coming to one site for training.

Items requested in FY07 are identified on the following P-5A 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE TRAINING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GITA UPGRADE	A				$2,787		$4,681		$5,235
TOTALS:					$2,787		$4,681		$5,235

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE TRAINING 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
GITA UPGRADE(1)									
FY2005			AFMC/ESC	OPT/FFP	GENERAL DYNAMICS/ WARNER ROBINS, GA	Mar-05	Apr-05		
FY2006			AFMC/ESC	OPT/FFP	GENERAL DYNAMICS/ WARNER ROBINS, GA	Mar-06	Apr-06	No	Feb-06
FY2007			AFMC/ESC	OPT/FFP	GENERAL DYNAMICS/ WARNER ROBINS, GA	Mar-07	Apr-07	No	Feb-07

Remarks:

(1) Jul 03 basic contract award with 4 option years.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE COMMUNICATIONS EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$3,127	$1,503	$1,576	$6,756	$6,914	$7,768	$7,896

Description:

Intelligence Communications Equipment efforts procure various types of equipment to disseminate intelligence, surveillance and reconnaissance information to warfighters and decisionmakers across the full range of Air Force mission areas.

1. AIR FORCE TACTICAL EXPLOITATION OF NATIONAL CAPABILITIES (Air Force TENCAP): No FY07 funding is requested.

2. SPACE WARFARE CENTER (SWC): Located at Schriever Air Force Base, CO, SWC develops, evaluates and tests space application and utility concepts, new technologies and tactics. Its innovation, education and training activities foster solutions to operational deficiencies and enhance the integration of space systems into Air Force operations, thereby enabling service and joint warfighters to realize the full potential of existing and planned space capabilities. Two SWC programs presently utilize procurement funding.

a. Distributed Communications Architecture: This SWC-operated system provides a network-based communications capability enabling dispersed space personnel to participate in space exercises and wargames and assist development, testing and validation of SWC innovation projects supporting the Combat Air Forces. It can also support limited command and control capabilities for space operations. FY07 funding upgrades and replaces existing equipment at the SWC node while incorporating new technology into the system, including computer servers and security features. This entry was previously listed as 'Space Warfare Center' in the FY06 President's Budget.

b. Space Analysis Center: Air Force Space Command's Space Analysis Center uses modeling and simulation tools to conduct operations research, military utility analyses, tradeoff studies and other evaluations of space mission areas to guide planning, programming, requirements generation, analyses of alternatives and other activities. FY07 funding procures computing equipment supporting analysis capabilities. Related modeling and simulation tool development is funded in Program Element 0305174F, Space Warfare Center.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE COMMUNICATIONS EQUIPMENT

Description (continued):

3. PREDATOR RECEIVE TERMINAL: No FY07 funding requested.

In FY05, Intelligence Communications Equipment received $1.5M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE COMMUNICATIONS EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR FORCE TENCAP (1)	A				$188				
SPACE WARFARE CENTER (1)					{$1,439}		{$1,503}		{$1,576}
DISTRIBUTED COMMUNICATIONS ARCHITECTURE	A				$916		$982		$1,037
SPACE ANALYSIS CENTER	A				$523		$521		$539
PREDATOR RECEIVE TERMINAL	A				$1,500				
TOTALS:					$3,127		$1,503		$1,576

Remarks:

Cost information is in thousands of dollars.

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

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** INTELLIGENCE COMMUNICATIONS EQUIPMENT

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
AIR FORCE TENCAP(1-2)									
FY2005			HQ AFSPC	DO/FP	CLASSIFIED				
SPACE WARFARE CENTER(1)									
DISTRIBUTED COMMUNICATIONS ARCHITECTURE									
FY2005			HQ AFSPC	DO/FP	BTG/ COLORADO SPRINGS, CO	Apr-05	Jul-05		
FY2006			HQ AFSPC	DO/FP	RSIS/ COLORADO SPRINGS, CO	Mar-06	Jun-06	Yes	
FY2007			HQ AFSPC	DO/FP	RSIS/ COLORADO SPRINGS, CO	Mar-07	Jun-07	Yes	
SPACE ANALYSIS CENTER									
FY2005			HQ AFSPC	DO/FP	ASI/ COLORADO SPRINGS, CO	Mar-05	Jul-05		
FY2006			HQ AFSPC	DO/FP	ASI/ COLORADO SPRINGS, CO	Mar-06	Jul-06	Yes	
FY2007			HQ AFSPC	DO/FP	ASI/ COLORADO SPRINGS, CO	Mar-07	Jul-07	Yes	
PREDATOR RECEIVE TERMINAL									
FY2005			AFMC/ASC	DO/CPFF	GENERAL ATOMICS AERO SYSTEMS/ RANCHO BERNARDO, CA	Feb-06	Aug-06	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)										DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT						
ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	

Remarks:

(1) Quantities and unit costs vary because different types/configurations of equipment being procured.
(2) Air Force TENCAP funds were sent to a classified organization for execution. Contract details are classified.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TRAFFIC CONTROL/LANDING

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$2,778	$39,623	$6,241	$988	$991	$1,016	$1,031

Description:

Air Traffic Control and Landing Systems (ATCALS) procures and supports fixed-base and tactical radar, navigational aids, voice communications and data processing/automation capabilities. ATCALS enables United States Air Force (USAF) air traffic controllers the ability to provide advisory, sequencing, separation and landing guidance services to all aircraft in USAF-assigned airspace. ATCALS includes operational equipment, training systems for air traffic controllers and equipment required to interface USAF systems with systems operated by other services, the Federal Aviation Administration (FAA) or host-nations. Modern architectures also drive “linchpin” systems in development that embrace space-based technologies and will provide full spectrum support to Global Mobility, Global Strike, Homeland Security, Global Response Concept of Operations and net-centric operations. ATCALS provide a capability focused range of enroute, terminal air traffic control and instrument procedures for air and space management. The developmental funding for ATCALS is in Program Element 0305114F, Air Traffic Control and Landing Systems.

1. AIR TRAFFIC CONTROL OPERATIONS (ATC OPS): ATC operations provide for replacement and modernization of legacy ATC navigation and landing systems, as well as related voice communications, data processing/automation systems and ancillary equipment.

a. INSTRUMENT LANDING SYSTEMS: No FY07 funding requested.

b. EDWARDS AFB R-2508 RANGE AUTOMATION SYSTEM: No FY07 funding requested.

c. VHF OMNI RANGE AND TACTICAL NAVIGATION (VORTAC) REPLACEMENT PROGRAM: The VORTAC consists of Very High Frequency Omni Range and Tactical Air Navigation systems that provide both range and azimuth to aircraft while enroute or performing terminal airport operations. The system is capable of providing flight data for an aircraft to intersect with an Instrument Landing System precision approach, as well as independently providing nonprecision approach data in the terminal airport area. Current operational VORTAC systems are approaching the end of their intended life cycle. This program will replace all VORTAC systems in Air Force Materiel Command. FY07 funding will procure two VORTAC systems.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TRAFFIC CONTROL/LANDING

Description (continued):

d. AIR TRAFFIC CONTROL RADIO EQUIPMENT: The Air Traffic Control (ATC) ground-to-air Very High Frequency (VHF) and Ultra High Frequency (UHF) radios are 30 years old and are not sustainable for the next 20 years. The AFMC ATC Radio Replacement Program will replace all ATC fixed-base and Major Range and Test Facility Base (MRTFB) ground-to-air radios with state of the art systems that provide better operational availability at a significantly reduced operating and support cost. FY 07 funding will procure 25 radios.

e. HURRICANE KATRINA AIR TRAFFIC CONTROL EQUIPMENT REPLACEMENT: No FY07 funding requested.

2. MOBILE APPROACH CONTROL SYSTEM (MACS): US military forces are required to be highly mobile and capable of rapid response on a global basis across the full spectrum of conflict from Smaller-Scale Contingencies to Major Regional Conflicts. MACS provides the next generation mobile air traffic control services, day and night and in all weather conditions, to military and civil aircraft. The system will be tailored to meet theater commander requirements and will operate within FAA and International Civil Aviation Organization (ICAO) performance parameters.

a. MACS Prime Mission Equipment: No FY 07 funding requested.

b. MACS READINESS SUPPORT PACKAGES: To support deployed operations, each MACS is supported by a Readiness Support Package (RSP), a transportable set of War Reserve Materiel spares, repair parts and related maintenance supplies required to support planned wartime or contingency operations of a weapon or support system for a specified period of time pending resupply. RSPs must be on hand at the time a conflict begins. When added to primary operating stocks and mobility resources, RSPs must be capable of sustaining combat consumption rates until resupply pipelines can become operative. FY07 funding will procure RSPs for fielded MACS systems.

3. AUTOMATIC ASSET FOLLOWING SYSTEM PILOT PROJECT: No FY07 funding requested.

In FY06, ATCALS received $5.94M in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

In FY06, ATCALS received a $18.25M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
TRAFFIC CONTROL/LANDING

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR TRAFFIC CONTROL OPERATIONS							{$2,778}			{$9,948}			{$2,574}
INSTRUMENT LANDING SYSTEMS	A						$2,778						
EDWARDS AFB R-2508 RANGE AUTOMATION SYSTEM	A									$3,365			
VHF OMNI RANGE AND TACTICAL AIR NAVIGATION (VORTAC) REPLACEMENT	A									$1,535			$1,581
AIR TRAFFIC CONTROL RADIO REPLACEMENT	A												$993
HURRICANE KATRINA AIR TRAFFIC CONTROL EQUIPMENT REPLACEMENT	A									$5,048			
MOBILE APPROACH CONTROL SYSTEM (MACS)										{$28,675}			{$3,667}
MACS (PRIME MISSION EQUIPMENT)	A									$28,675			
MACS READINESS SUPPORT PACKAGES	A												$3,667
AUTOMATIC ASSET FOLLOWING SYSTEM													
AUTOMATIC ASSET FOLLOWING SYSTEM PILOT PROJECT	A									$1,000			
TOTALS:							$2,778			$39,623			$6,241

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TRAFFIC CONTROL/LANDING

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
AIR TRAFFIC CONTROL OPERATIONS									
INSTRUMENT LANDING SYSTEMS(1,4)									
FY2005			AFMC/ASC	OPT/FFP	SAIC/ SAN DIEGO, CA	Jan-05	Jan-06		
EDWARDS AFB R-2508 RANGE AUTOMATION SYSTEM(1-2)									
FY2006			AFMC/ESC	OPT/FFP	RAYTHEON CORP/ MARLBORO, MA	Apr-06	Jan-07	Yes	
VHF OMNI RANGE AND TACTICAL AIR NAVIGATION (VORTAC) REPLACEMENT(1)									
FY2006			AFMC/OC-ALC	C/FFP W/OPT	UNKNOWN	Feb-06	Apr-06	Yes	
FY2007			AFMC/OC-ALC	OPT/FFP	SAIC/ SAN DIEGO, CA	Jan-07	Apr-07	Yes	
AIR TRAFFIC CONTROL RADIO REPLACEMENT(1,4)									
FY2007			AFMC/ASC	OPT/FFP	SAIC/ SAN DIEGO, CA	Jan-07	Jan-08	Yes	
HURRICANE KATRINA AIR TRAFFIC CONTROL EQUIPMENT REPLACEMENT									
FY2006			AFMC/ASC	C/FFP	UNKNOWN	Mar-06	Apr-06	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TRAFFIC CONTROL/LANDING

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MOBILE APPROACH CONTROL SYSTEM (MACS)									
MACS (PRIME MISSION EQUIPMENT)(1,3)									
FY2006			AFMC/ESC	OPT/FFP	ITT GILFILLIAN/ VAN NUYS, CA	Jul-06	Jul-07	Yes	
MACS READINESS SUPPORT PACKAGES(1,3)									
FY2007			AFMC/ESC	OPT/FFP	ITT GILFILLIAN/ VAN NUYS, CA	Aug-07	Sep-07	Yes	
AUTOMATIC ASSET FOLLOWING SYSTEM									
AUTOMATIC ASSET FOLLOWING SYSTEM PILOT PROJECT									
FY2006			AFMC/ESC	C/FFP	UNKNOWN	Jun-06	Jul-07	No	Jun-06

Remarks:

(1) Unit costs vary because of different types/configurations of equipment being procured.
(2) Option to prior year Raytheon Corp, Marlboro MA. Aug 96 basic contract award (10 option years).
(3) Contract with ITT Gilfillian, Van Nuys CA. for the Airport Surveillance Radar (ASR) part of system was awarded in FY00; contract for Precision Approach Radar (PAR) part of system was awarded FY02. Neither contract has a specific period of performance. Contracts provide for individual line items to be exercised to perform refurbishment and refit of test and pre-production systems.
(4) Option to prior year SAIC, San Diego. Feb 02 basic contract award (5 option years).

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NATIONAL AIRSPACE SYSTEM

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$40,330	$54,630	$53,761	$54,887	$55,452	$57,386	$57,808

Description:

The National Airspace System (NAS) program in full rate production modernizes the Department of Defense (DoD) Air Traffic Control (ATC) system in conjunction with the Federal Aviation Administration (FAA) modernization effort. NAS increases safety of flight, provides systems and facilities interoperable with FAA modernization, replaces aging DoD ATC systems, provides identical service to military and civilian aircraft, reduces DoD flight cancellations/delays and reduces maintenance. Equipment procured includes fixed site airfield automation systems, radar, voice switches, associated Pre-Planned Product Improvements (P3I), site preparation, installation support, ancillary equipment and supplies, direct production support and net-centricity operations. The program maximizes the use of Non-Developmental Items (NDI). Current systems are approaching the end of their planned life cycle and are increasingly more expensive and difficult to repair. As the FAA takes steps to modernize the nation's air traffic control system, the DoD must remain operationally compatible to continue to provide service to military and civilian users who depend on DoD's ATC services.

The Air Force (AF) is the lead service for the Joint NAS program. NAS modernizes 92 DoD sites with a site-unique array of equipment. Some of these sites include major range and test facility bases, which may require procurement of nonstandard communications and automation equipment through separate contracts. Of the 92 DoD sites, 45 constitute AF sites requiring AF funding.

1. DOD ADVANCED AUTOMATION SYSTEM (DAAS): The DAAS is comprised of equipment tailored to support the operation of two types of ATC facilities: Radar Approach Control (RAPCON) and military control tower facilities. 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. FY07 funds procure and install four DAAS systems including dependent towers at AF locations.

2. DIGITAL AIRPORT SURVEILLANCE RADAR (DASR): The DASR consists of two subsystems: a primary and a secondary surveillance radar. DASR provides aircraft position and other data to controller displays in the RAPCON and at select control tower locations. DASR replaces the DoD current generation of analog ATC surveillance radar. FY07 funds procure and install five DASRs at key AF locations.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NATIONAL AIRSPACE SYSTEM

Description (continued):

3. AIRFIELD AUTOMATION SYSTEM (AFAS): AFAS is a data display system that integrates weather and airport environmental data, FAA flight data, airfield equipment status, administrative data and remote video inputs on one display at air traffic control positions in RAPCON instrument flight rooms and tower cabs. The hardware is commercial-off-the shelf (COTS) servers, workstations, displays, keyboards and trackballs linked by industry standard communications interfaces. The software is COTS or existing government-owned software modified to interface with Air Force sensors. AFAS replaces multiple displays and paper products currently used to provide this data at AF air traffic control positions. FY07 funds procure and install 17 AFAS units at key AF locations.

In FY06, National Airspace System, DASR/DAAS, received a $3.5M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) for Whiteman AFB, MO.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
NATIONAL AIRSPACE SYSTEM

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
DOD ADVANCED AUTOMATION SYSTEM							{$6,983}			{$7,427}			{$9,808}
DAAS	A						$6,983			$7,427			$9,808
DIGITAL AIRPORT SURVEILLANCE RADAR							{$28,267}			{$41,579}			{$41,791}
DASR PRIME MISSION EQUIPMENT	A						$9,405			$17,949			$18,287
PROGRAM SUPPORT (1)							$8,378			$8,821			$8,257
SITE ACTIVATION (1)							$10,485			$14,809			$15,247
AIRFIELD AUTOMATION SYSTEM (AFAS)							{$5,080}			{$2,124}			{$2,162}
AFAS	A						$5,080			$2,124			$2,162
STRATCOM DASR/DAAS													
WHITEMAN AFB DASR/DAAS	A									$3,500			
TOTALS:							$40,330			$54,630			$53,761

Remarks:

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NATIONAL AIRSPACE SYSTEM

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST

Total Cost information is in thousands of dollars.

(1) All program support and site activation costs are included in the DASR line due to the fact that NAS equipment is installed as a system and the DASR schedule drives the deployment of that system.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
DOD ADVANCED AUTOMATION SYSTEM									
DAAS(1-2)									
FY2005			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Jan-05	Jan-06		
FY2006			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Mar-06	Jan-07	Yes	
FY2007			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Jan-07	Jan-08	Yes	
DIGITAL AIRPORT SURVEILLANCE RADAR									
DASR PRIME MISSION EQUIPMENT(1)									
FY2005			AFMC/ESC	DO/FFP	RAYTHEON CORP./ MARLBORO, MA	Aug-05	Aug-06		
FY2006			AFMC/ESC	DO/FFP	RAYTHEON CORP./ MARLBORO, MA	Mar-06	Mar-07	Yes	
FY2007			AFMC/ESC	DO/FFP	RAYTHEON CORP./ MARLBORO, MA	Dec-06	Dec-07	Yes	
AIRFIELD AUTOMATION SYSTEM (AFAS)									
AFAS(1,3)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Aug-05	Sep-05		

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Mar-06	Apr-06	Yes	
FY2007			AFMC/ESC	DO/FFP	MULTIPLE	Dec-06	Jan-07	Yes	
STRATCOM DASR/DAAS									
WHITEMAN AFB DASR/DAAS(1-2)									
FY2006			AFMC/ESC	OPT/FFP	RAYTHEON CORP./ MARLBORO, MA	Apr-06	Apr-07	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) Option to the Federal Aviation Administration (FAA) Standard Terminal Automated Replacement System contract awarded in September 1996 (9 options). Program office is currently working on replacement contract to dovetail with current contract.
(3) AFAS equipment contractor is Multimax Inc., Laurel, MD, using AF Network-Centric Solutions (NETCENTS) contract; AFAS software contractor is Systems Atlanta, Inc., Woodstock, GA, base year Aug 05 with options through Aug 07.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$47,550	$65,956	$77,184	$57,611	$96,156	$97,255	$118,932

Description:

The Theater Air Control System Improvement (TACSI) program acquires state-of-the-art equipment and capabilities essential to the survival and combat effectiveness of tactical-level Battle Management Command and Control (BMC2). Collectively they provide the flexibility, responsiveness, reliability and maintainability necessary for effective BMC2. TACSI provides funding for the procurement of the Battle Control System Fixed (BCS-F), Battle Control System-Mobile (BCS-M) and Mission Planning Systems (MPS). BCS-F supports the NORAD/NORTHCOM homeland defense and air sovereignty mission for fixed Air Defense Sectors. The BCS-M is a mobile Command and Control (C2) node that primarily supports deployed theater C2 operations outside the continental United States (OCONUS) but may be employed within the continental United States (CONUS) to support the homeland defense mission. BCS-F and BCS-M fielding is grounded on the premise of collaboration, development and acquisition of a common software baseline between the BCS-M and BCS-F systems. Mission Planning Systems provide unit-level mission planning for pilots and support all current/future aircraft and associated weapons.

1. BATTLE CONTROL SYSTEM-MOBILE (BCS-M): The BCS-M is a low density/high demand (LD/HD) ground-based C2 node that supports deployed theater operations as well as homeland defense missions supporting the Global War on Terror (GWOT), Operation Noble Eagle (ONE), Operation Iraqi Freedom (OIF) and Operation Enduring Freedom (OEF). The acquisition strategy of the BCS-M Program seeks the replacement of the Control and Reporting Center (CRC) legacy AN/TYQ-23 Modular Control System (mission computer, C2 software, operator workstations and associated shelters). The BCS-M provides a robust capability designed to support long-term C2 operations and a quick-reaction HMMWV-based C2 capability that can be rapidly inserted to support short-duration or small scale missions. Each BCS-M configuration provides the Joint Forces Air Component Commander (JFACC) with a flexible and scalable C2 node tasked to execute the following capabilities: (a) theater air defense, (b) airspace management, (c) air battle management, (d) aircraft identification, (e) wide-area surveillance and (f) tactical data link management. The BCS-M is scalable to address all levels of conflict to include military operations other than war, peacetime contingencies, C2 force projection into regional conflicts and large-scale strategic war. BCS-M is also replacing legacy AN/TPS-75 radar. This organic sensor is experiencing a declining state of readiness with operations availability on a steady decline - currently 74%. This is the USAF's only mobile ground-based radar and it is an essential tool that provides the JFACC with the air track data

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
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Description (continued):

necessary to plan, manage and conduct theater air operations. Due to the declining operational availability of the radar, a Service Life Extension Project (SLEP) is underway. These efforts to sustain the radar are expensive and are compounded by diminishing material source problems; i.e. key components are no longer manufactured.

The legacy CRC equipment, to include the AN/TYQ-23 and AN/TPS-75, is deployed to operational theaters (OEF and OIF) and is operating at a "max surge rate." The equipment has reached its maximum capacity and is incapable of accepting any additional inputs or providing a single integrated air picture. Additionally the 30-year-old legacy equipment, because of its limited capacity, is slowing the kill chain and increasing the opportunity of a fratricide incident. For these reasons the Air Force is replacing the CRC with BCS-M.

a. BCS-M EVOLUTIONARY UPGRADES: FY07 funding provides activities intended to field a new and more effective C2 capability. Projects within the BCS-M portfolio include, but are not limited to, the AN/TRC-215 Spiral 3 Remote Radio Secure Voice System (RRSVS), the Battle Control Center (BCC) and Radar Replacement. The BCS-M Program has leveraged several lateral C2 efforts in support of these projects to include 1st Air Force's Area Cruise Missile Defense/Advanced Capabilities Technology Demonstration (ACMD/ACTD), E-3 Airborne Warning and Control System (AWACS) 40/45, BCS-F software development and the USMC Radar Replacement project. The BCS-M Program is a net-centric product that more effectively meets the C2 requirements of the warfighter and supports the JFACC's ability to conduct theater-wide air battle management. Development funding for this program is in Program Element 0207412F.

b. CRC IMPROVEMENTS: FY07 funding provides reliability and maintainability improvements to the legacy AN/TYQ-23 Operations Module, the AN/TPS-75 Radar and peripheral equipment and embedded subsystems. Projects within the CRC Improvements portfolio include, but are not limited to, the AN/TRC-215 Spiral 1 and 2 RRSVS, the Non-Organic Radar Access (NORA), the AN/TYQ-23 (V5) Operator Console Unit (OCU) Replacement, the Radar SLEP, the Radar Shelter Replacement/Refurbishment and the AN/TSC-147 Joint Tactical Information Distribution System (JTIDS) Module (JM). If funds are not received, Link 16 Datalink (NATO Communications) with beyond-line-of-sight capability will be lost.

c. INTERIM CONTRACTOR SUPPORT (ICS): FY07 funding provides ICS associated with the fielding of BCS-M Evolutionary Upgrades. Contractor support will provide temporary material and asset logistics support to BCS-M systems, sub-systems, and support equipment.

d. PROGRAM SUPPORT: FY07 funding provides program/engineering support for BCS-M.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

Description (continued):

2. BATTLE CONTROL SYSTEM-FIXED (BCS-F): BCS-F is the Region Air Operations Center-Air Defense Sector (RAOC-ADS) for the Atmospheric Early Warning System. BCS-F is a bi-national cooperative program with Canada. The BCS-F program provides a modernized battle management C2 system with enhanced capability to integrate data from existing and future civil and military defense surveillance systems into a comprehensive recognized air picture. This integrated air picture will enhance North American Aerospace Defense/Combatant Commander capability to conduct peacetime air sovereignty homeland defense operations and transition to active air defense operations in the event of aggression toward the North American Continent. BCS-F systems serve as Air Force Homeland Defense battle management C2 hubs and integrators for data from radar sensors, data links and supporting communications architecture. They provide the tactical communications and data link capabilities with other military and civil systems responsible for planning, directing, coordinating and controlling forces for air surveillance, air defense and control of sovereign US air space (including the National Capital Region). The system being replaced has reached saturation of its capability to receive, process, display, exchange and employ air surveillance data from current sensor and communications systems, thus decreasing mission effectiveness. The outdated technology constitutes a limiting factor in the Homeland Defense kill chain, is costly to sustain and is a stovepipe system with no ability to integrate with other BMC2 systems.

a. BCS-F EVOLUTIONARY UPGRADES: FY07 funding provides for BCS-F activities which include, but are not limited to, operational replacement of legacy battle management RAOC-ADS, Common Battle Management Software, leveraging capabilities from Area Cruise Missile Defense Advanced Capabilities Technology Demonstration, leveraging capabilities from BCS-M and technical refresh of BCS-F. Developmental funding for this program is in Program Element 0102326F.

b. INTERIM CONTRACTOR SUPPORT (ICS): FY07 funding provides Interim Contractor Support associated with the fielding of BCS-F Evolutionary Upgrades. Contractor support will provide temporary material and asset logistics support to BCS-F systems, sub-systems and support equipment.

c. PROGRAM SUPPORT: FY07 funding provides program/engineering support for BCS-F.

3. MISSION PLANNING SYSTEMS: This program provides a suite of mission planning systems that can be integrated with Theater Battle Management (TBM) systems for aircrews to electronically receive tasking orders, intelligence information, target coordination and imagery; prepare and calculate flight and weapons delivery planning data (e.g. maps, charts, imagery, flight logs, radar predications and navigation databases) and electronically transfer this

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

Description (continued):

information to the aircraft and weapons. These systems increase the combat effectiveness of Air Force, Air Force Reserve and Air National Guard aircraft to include, but not limited to, unmanned air vehicles, low-observable aircraft and weapons by increasing wartime sortie rates and survivability, supporting sophisticated avionics and precision/autonomous guided munitions and providing the ability to analyze and defeat complex threats. The program procures UNIX- and PC-based mission planning computers as well as engineering support to meet the varied requirements of Combat Air Forces and Mobility Air Forces. These systems provide a flexible, configurable and cost effective range for increasing tactical and strategic capabilities to meet the continuum of peacetime contingencies and conventional and nuclear wartime mission planning requirements. The Mission Planning Systems program made a shift in the mission planning hardware emphasis from a small number of large complex planning systems to a larger number of smaller, more personal planning devices tailored to user needs. These adjustments were made for the following technologically driven reasons: the evolutionary nature of the Mission Planning System program requires hardware changes to meet overall system requirements; advances in commercial-off-the-shelf (COTS) technology make available new capabilities which may lower component costs or address component obsolescence and changes in number, type and deployment of aircraft/weapons require changes in the number of UNIX- and PC-based mission planning computers and their concept of operation. Each year, a variety of hardware platforms will be procured to meet the varied needs of Air Force mission planners. Market surveys and analysis of COTS products support procurement decisions. Development funding for the program is in Program Element 0208006F.

a. UNIX-BASED MISSION PLANNING COMPUTER (UMPC): UMPC consists of a transportable, network-capable system integrated with Mission Planning Systems UNIX software to provide basic mission planning capability as well as mission planning for precision/autonomous guided munitions, large data storage and full interoperability with TBM systems. Additionally, color printers are included with the system to allow the user to procure charts and other mission-specific products. FY07 funding will procure these systems, associated hardware, warranties, data transfer devices and software licenses.

b. PC-BASED MISSION PLANNING COMPUTER (PMPC): PMPC takes advantage of the rapid increase in PC based technology to enable mainframe type computing on increasingly smaller and more mission-oriented devices to include, but not limited to, desktops, laptops, knee boards, data transfer devices, interface devices and associated software applications, Personal Digital Assistants and table PCs. PMPC consists of a portable, tailorable, network-capable system integrated with Mission Planning System Portable Flight Planning Software and/or Joint Mission Planning System to provide basic mission planning capability, large data storage and full interoperability with TBM systems. PMPCs can be networked with UMPCs to further tailor a platform's mission planning environment. Additionally, color printers are included with the system to allow the user to procure charts and other mission-specific products. FY07 funding will procure these systems, associated hardware, warranties, data transfer devices and software licenses.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
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Description (continued):

c. PRECISION AERIAL DELIVERY SYSTEM (PAD): No FY07 funding requested.

d. PROGRAM SUPPORT: FY07 funding provides program/engineering support for Mission Planning Systems.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
THEATER AIR CONTROL SYSTEM IMPROVEMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BATTLE CONTROL SYSTEM-(BCS-M)							{$25,852}			{$39,075}			{$42,792}
BCS-M EVOLUTIONARY UPGRADES	A						$18,120			$30,822			$35,871
CRC IMPROVEMENTS	A						$6,310			$2,282			$357
INTERIM CONTRACTOR SUPPORT (ICS)							$235			$3,498			$3,925
PROGRAM SUPPORT							$1,187			$2,473			$2,639
BATTLE CONTROL SYSTEM (BCS-F)							{$6,448}			{$11,846}			{$18,055}
BCS-F EVOLUTIONARY UPGRADES	A						$5,075			$3,075			$6,055
INTERIM CONTRACTOR SUPPORT (ICS)							$1,053			$7,771			$8,000
PROGRAM SUPPORT							$320			$1,000			$4,000
MISSION PLANNING SYSTEMS							{$15,250}			{$15,035}			{$16,337}
UNIX-BASED MISSION PLANNING COMPUTER (UMPC)	A						$4,275			$4,496			$4,859
PC-BASED MISSION PLANNING COMPUTER (PMPC)	A						$9,263			$9,778			$10,655
PRECISION AERIAL DELIVERY SYSTEM (PADS)	A						$1,000						
PROGRAM SUPPORT							$712			$761			$823

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TOTALS:							$47,550			$65,956			$77,184

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
BATTLE CONTROL SYSTEM-(BCS-M)									
BCS-M EVOLUTIONARY UPGRADES									
FY2005(1-2)			AFMC/ESC	OTH/OTH	MULTIPLE	Oct-04	May-05		
FY2006(1-2)			AFMC/ESC	OTH/OTH	MULTIPLE	Dec-05	Mar-06		
FY2007(1-2)			AFMC/ESC	OTH/OTH	MULTIPLE	Oct-06	Mar-07	No	Jun-06
CRC IMPROVEMENTS									
FY2005(1-2)			AFMC/OO-ALC	OTH/OTH	MULTIPLE	Jun-05	Jun-06		
FY2006(1-2)			AFMC/OO-ALC	OTH/OTH	MULTIPLE	Mar-06	May-07	Yes	
FY2007(1-2)			AFMC/OO-ALC	OTH/OTH	MULTIPLE	Feb-07	Sep-07	Yes	
BATTLE CONTROL SYSTEM (BCS-F)									
BCS-F EVOLUTIONARY UPGRADES									
FY2005(1-2)			AFMC/ESC	C/OTH	MULTIPLE	Mar-05	Jul-05		
FY2006(1-2)			AFMC/ESC	C/OTH	UNKNOWN	Mar-06	Apr-06	Yes	
FY2007(1-2)			AFMC/ESC	C/OTH	UNKNOWN	Oct-06	Dec-06	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
MISSION PLANNING SYSTEMS									
UNIX-BASED MISSION PLANNING COMPUTER (UMPC)									
FY2005(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-04	Feb-05		
FY2006(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Apr-06	Jun-06	Yes	
FY2007(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-06	Feb-07	Yes	
PC-BASED MISSION PLANNING COMPUTER (PMPC)									
FY2005(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-04	Feb-05		
FY2006(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Feb-06	May-06	Yes	
FY2007(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-06	Feb-07	Yes	
PRECISION AERIAL DELIVERY SYSTEM (PADS)									
FY2005(1,3)			AFMC/ESC	C/FFP	PLANNING SYSTEMS INC/ RESTON, VA	Jan-05	May-05		

Remarks:

(1) Quantity and unit cost vary because different types/configurations of equipment are being procured or equipment procured is site specific.
(2) Various contract methods and types will be utilized. Examples of contractors include Northrop Grumman, Agoura Hills, CA; Northrop Grumman, Baltimore, MD; Raytheon, Fullerton, CA; Naval Air Warfare Center, Patuxent River, St Inigoes, MD; Innovative Solutions Consulting, Hollywood, CA; etc.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER AIR CONTROL SYSTEM IMPROVEMENT

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL

Award/delivery dates reflect date of first award and delivery.
(3) Mission Planning Systems components are procured as commercial-off-the-shelf equipment available through various contract sources, e.g. GSA schedules, IDIQ contracts, blanket purchase agreements. Examples of contractors include Dell Corporation, Austin, TX; Rugged Portable System (RPS), Santa Ana, CA; and Government Technology Services, Inc (GTSI), Chantilly, VA. Award/delivery dates reflect date of first award and delivery.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$32,250	$35,202	$35,093	$21,972	$28,316	$32,738	$31,949

Description:

Acquires meteorological and space environmental equipment supporting the global missions of the Air Force (AF), Army, Special Operations Forces, combatant commands, and other government agencies. Fixed and transportable equipment provides observing and forecasting capabilities for home station and deployed locations in support of worldwide Air and Space Expeditionary Forces and Army forces. Weather system technological upgrades provide critical support to modern air combat operations. These systems enhance the lethality of Air Force weapons systems and precision munitions by accurately predicting environmental effects to optimize targeting and bomb damage assessment.

Air Force Weather (AFW) programs are aligned under five core capabilities: 1) Weather Data Collection, 2) Product Tailoring/Warfighter Applications, 3) Weather Data Analysis, 4) Weather Forecasting, and 5) Weather Data Dissemination. Through this alignment, AFW ensures an integrated and systems-oriented approach to program management decisions. The development funding for Weather Observation/Forecast is in PE 0305111F, Weather Service.

1. WEATHER DATA COLLECTION: This program acquires equipment capable of combining terrestrial and space weather sensor data into integrated meteorological sensing and instrumentation information for battlefield and home-base operations.

a. OBSERVING SYSTEM 21ST CENTURY (OS-21): This component of Weather Data Collection replaces equipment approaching 20-years old with state-of-the-art commercial-off-the-shelf (COTS) weather observing/sensor equipment. OS-21 includes five different configurations: fixed, deployable, remote, manual, and upper-air. FY07 funding procures fixed-base and deployable capabilities.

2. PRODUCT TAILORING/WARFIGHTER APPLICATIONS: This program provides weather impact information to warfighters at theater and tactical levels. At the theater level, Operational Weather Squadrons (OWSs) provide timely, focused, fine-scale weather products and services to support operational commanders within a given Area of Responsibility. At the tactical level, Combat Weather Teams (CWTs) provide front-line weather information to AF and Army warfighters in direct support of combat operations. CWTs operate at both home station and deployed locations. FY07 funding procures integrated

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

Description (continued):

computer hardware and software suites and associated communications interfaces for operational weather support at fixed and deployed AF and Army locations in the continental United States and overseas.

3. WEATHER DATA ANALYSIS: This program provides atmospheric data analysis capabilities to the AFW Strategic Center which generates products required by regional OWSs and CWTs in support of worldwide AF and Army customers. Also, this program acquires and implements weather data interfaces for command and control and mission planning systems. Other customers for these products include DoD and Department of Commerce agencies and the national intelligence community. FY07 funding procures computer hardware and associated integration software for database expansion and incorporation of weather data from next generation satellites, including the National Polar-orbiting Operational Environmental Satellite System (NPOESS).

4. WEATHER FORECASTING: This program provides cloud forecast models and other environmental forecast products for worldwide AF, Army, Special Operations Forces, and national intelligence community operations support. FY07 funding procures computer servers and high-capacity storage devices for connectivity with the NPOESS Preparatory Project. This connectivity will permit exploitation of NPOESS environmental data records and improve worldwide forecast capability.

5. WEATHER DATA DISSEMINATION: This program provides web-based interface and dissemination platforms for the timely, reliable transmission of weather data and products to intermediate and end users. The advanced interface and delivery method ensures data integrity and continuity of service. Weather data dissemination formats and transmission protocols also support DoD Technical Reference Model objectives for integration into the warfighter's command and control, mission planning, and rehearsal systems. FY07 funding procures COTS computer hardware and software and associated communications equipment.

In FY05, Weather Observation Forecast received $2.5M in additional funding under P.L. 108-324, the Military Construction Appropriations and Emergency Hurricane Supplemental Appropriations Act, 2005.

In FY05, Weather Observation Forecast received $4.86M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
WEATHER OBSERVATION FORECAST

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
WEATHER DATA COLLECTION							{$19,828}			{$9,259}			{$7,153}
OS-21							{$19,828}			{$9,259}			{$7,153}
PRIME MISSION EQUIPMENT	A						$17,977			$7,369			$5,959
PROGRAM SUPPORT							$1,851			$1,890			$1,194
PRODUCT TAILORING/WARFIGHTER APPLICATIONS							{$4,023}			{$10,312}			{$10,500}
PRIME MISSION EQUIPMENT	A						$2,958			$8,812			$8,955
PROGRAM SUPPORT							$1,065			$1,500			$1,545
WEATHER DATA ANALYSIS							{$3,842}			{$6,014}			{$7,163}
PRIME MISSION EQUIPMENT	A									$2,500			$1,222
PRIME MISSION EQUIPMENT	A						$2,380			$3,014			$4,946
PROGRAM SUPPORT							$1,462			$500			$995
WEATHER FORECASTING										{$2,200}			{$775}
PRIME MISSION EQUIPMENT	A									$400			$775
PRIME MISSION EQUIPMENT	A									$1,800			

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
WEATHER DATA DISSEMINATION							{$4,557}			{$7,417}			{$9,502}
PRIME MISSION EQUIPMENT	A						$1,634			$4,501			$6,214
PRIME MISSION EQUIPMENT	A						$1,725			$1,718			$1,939
PROGRAM SUPPORT							$1,198			$1,198			$1,349
TOTALS:							$32,250			$35,202			$35,093

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
WEATHER DATA COLLECTION									
OS-21									
PRIME MISSION EQUIPMENT									
FY2005(1-3)			AFMC/ESC	OPT/IDIQ	COASTAL ENVIRONMENTAL SYSTEMS/ SEATTLE, WA	Dec-04	Feb-05		
FY2006(1-3)			AFMC/ESC	OPT/IDIQ	MULTIPLE	Feb-06	Apr-06	Yes	
FY2007(1)			AFMC/ESC	C/FFP	UNKNOWN	Dec-06	Aug-07	No	Jun-06
PRODUCT TAILORING/WARFIGHTER APPLICATIONS									
PRIME MISSION EQUIPMENT									
FY2005(1,4)			AFMC/ESC	C/OTH	MULTIPLE	Dec-04	Jan-05		
FY2006(1)			AFMC/ESC	C/CPAF	UNKNOWN	Feb-06	Sep-06	Yes	
FY2007(1)			AFMC/ESC	C/CPAF	UNKNOWN	Dec-06	Sep-07	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
WEATHER DATA ANALYSIS									
PRIME MISSION EQUIPMENT									
FY2005(1,6)			AFMC/ESC	C/CPFF	RAYTHEON TECHNICAL SERVICES/ BELLEVUE, NE	May-05	Jun-05		
FY2006(1,6)			AFMC/ESC	OPT/IDIQ	RAYTHEON TECHNICAL SERVICES/ BELLEVUE, NE	Apr-06	Jun-06	Yes	
FY2006(1,5)			HQ AFWA	C/FFP	UNKNOWN	Apr-06	Jul-06	Yes	
FY2007(1,6)			AFMC/ESC	OPT/IDIQ	RAYTHEON TECHNICAL SERVICES/ BELLEVUE, NE	Mar-07	Jun-07	Yes	
FY2007(1,5)			HQ AFWA	C/FFP	UNKNOWN	Dec-06	Jul-07	Yes	
WEATHER FORECASTING									
PRIME MISSION EQUIPMENT									
FY2006(1,6)			AFMC/ESC	C/FFP	UNKNOWN	Jun-06	Sep-06	Yes	
FY2006(1,5)			HQ AFWA	C/FFP	UNKNOWN	Jun-06	Sep-06	Yes	
FY2007(1,5)			HQ AFWA	C/FFP	UNKNOWN	Jan-07	Mar-07	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
WEATHER DATA DISSEMINATION									
PRIME MISSION EQUIPMENT									
FY2005(1,7)			HQ AFWA	C/FP	MULTIPLE	Dec-04	Jun-05		
FY2005(1,8)			AFMC/ESC	C/IDIQ	RAYTHEON TECHNICAL SERVICES/ BELLEVUE, NE	Nov-04	Jul-05		
FY2006(1,7)			HQ AFWA	C/FP W/OPT	UNKNOWN	Feb-06	Jun-06	Yes	
FY2006(1,8)			AFMC/ESC	C/IDIQ	UNKNOWN	Feb-06	Jul-06	Yes	
FY2007(1,7)			HQ AFWA	OPT/FP	UNKNOWN	Feb-07	Jun-07	Yes	
FY2007(1,9)			AFMC/ESC	C/FP	UNKNOWN	Jan-07	Jul-07	Yes	

Remarks:

(1) Quantity and unit cost vary due to site-specific configurations.
(2) Initial contract was awarded to Coastal Environmental Systems, Seattle, WA, in Nov 01.
(3) In FY06 an additional contract (SS/IDIQ) will be awarded for Upper Air observing systems to replace systems being depleted in Operation Iraqi Freedom. Sole Source strategy resulted from OSD determination in Oct 05 that only one commercially available system, from Vaisala of Woburn, MA, meets the Selective Availability Anti-Spoofing Module (SAASM) requirement of CJCSI 6140.01A
(4) Multiple contractors: For legacy projects - Raytheon, Fullerton, CA, CPFF, and Information Technology Contract with General Dynamics through GSA Kansas City, MO, Time & Materials. Fly-off contract, FFP, awarded to Northrop Grumman Space and Mission Systems and Raytheon Intelligence and Information Systems.
(5) 55th Contracting Squadron, Offutt AFB, NE, serves as PCO for HQ AFWA to acquire capability to acquire data from next generation satellites.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** WEATHER OBSERVATION FORECAST

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL

(6) AFMC/ESC MIPR funds to PCO at Defense MicroElectronics Activity, McClellan Park, CA, to acquire capability to provide global-scale atmospheric data forecasting and analysis.
(7) 55th Contracting Squadron, Offutt AFB, NE, serves as PCO for HQ AFWA to acquire dissemination capability within the AF Weather Strategic Center. Various contracts are available through the following vendors: Foundry Networks, San Jose, CA; F5 Networks, Seattle, WA; Northrop Grumman Space & Mission Systems, Bellevue, NE; and Hewlett-Packard, Gaithersburg, MD. Multiple award and delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.
(8) PCO at AFMC/ESC to acquire capability to supply weather to external customers with Time & Materials contract through GSA.
(9) AFMC/ESC plans to cease use of GSA vehicle after FY06 and award an FP contract.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** STRATEGIC COMMAND AND CONTROL

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$46,913	$44,091	$27,076	$28,909	$33,626	$25,617	$26,034

Description:

The Strategic Command and Control (C2) program procures mission-critical communications and computer systems required to ensure the United States has the capability for effective C2 of the Twin Triad (nuclear and conventional). It procures hardware replacements/upgrades to maintain the only computer system that produces the Nation's nuclear war plan and performs conventional/contingency war planning. Also, the program supports life-cycle replacement of outdated and unreliable communications equipment in support of the B-2 program.

1. NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): NPES is the single, survivable National C2 automated information system (AIS) supporting the President, Secretary of Defense, Joint Staff, and nuclear Combatant Commanders in the transition/post phases of nuclear conflict. The requirement includes NPES integration with fixed command center and mobile platforms. The program is a joint program and the Air Force is the lead service. FY07 funding will complete procurement of the NPES development suite and will procure the NPES System Integration Lab to support NPES testing on fixed and mobile platform configuration.

2. MOBILE CONSOLIDATED COMMAND CENTER (MCCC): No FY07 funding is requested.

3. C2 MODERNIZATION: USSTRATCOM and Air Force Space Command (AFSPC) C2 Modernization programs provide the infrastructure and hardware to acquire, process and deliver information, as needed, to enhance decision making.

a. USSTRATCOM C2 Modernization is a program employing a set of underlying information services, technologies, and tools that enable the Commander of USSTRATCOM to achieve the broad operational warfighting capabilities described in the C2 Modernization Operational Requirements Document, Joint Vision 2020 and further dictated by Unified Command Plans (UCP) 1 and 2. USSTRATCOM's C2 Modernization program is a spiral development effort visualized as a collection of distributed databases and applications, integrated through a grid of supporting services. FY07 Upgrades include continuation of Enterprise Workstations and Consoles, facility hardware, audio/visual systems, server upgrades, network upgrades (last mile), and

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** STRATEGIC COMMAND AND CONTROL

Description (continued):

hardware refresh.

b. AFSPC C2 Modernization program funds replacement of unsupportable components for two strategic C2 systems required for transmission of emergency action messages (EAMs); the Strategic Automated Command and Control System (SACCS) and Defense Injection Reception EAM C2 Terminals (DIRECT). SACCS is the primary multi-service, multicommand system responsible for transmitting EAMs. FY07 funding for SACCS includes replacement of the 87 mass storage units, data storage and magazine diskette units and includes support for the DIRECT program, purchasing three minor component sets, one system upgrade, and two operational systems upgrades.

4. INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN): The mission of USSTRATCOM is to establish and provide full-spectrum global strike, and coordinated space and information operations capabilities to meet both deterrent and decisive national security objectives. USSTRATCOM will also provide operational space support, integrated missile defense, global command, control, communications, computers, intelligence, surveillance, and reconnaissance (C4ISR), and specialized planning expertise to the joint warfighter. ISPAN enables USSTRATCOM to carry out this mission. ISPAN infrastructure capabilities develop, verify, and produce Operational Plan (OPLAN) 8044 and Contingency Plan (CONPLAN) 8022, Theater Support Planning Documents, new Unified Command Plan (UCP) taskings, and related products. To support its mission objectives, ISPAN includes automated data processing equipment (ADPE), software, training, associated deployable and distributed data processing nodes, and subsidiary systems. Funding supports the phased sustainment and life-cycle hardware refresh for ISPAN. ISPAN is one of DoD's most complex classified computer systems and the only national force level planning system. The system performs tasks ranging from running threat scenarios to providing data for developing bomber aircraft crew strike mission data in digital and hard copy formats. USSTRATCOM developed a hardware six-year life-cycle refresh plan to refresh servers, storage devices, workstations, PCs, and network upgrades. This life-cycle refresh plan eliminates the peaks and valleys to better utilize existing manpower to install and configure the refreshment hardware, providing an incremental and efficient life cycle refresh of critical infrastructure components. Development funding for this program is in Program Element 0101313F.

FY07 funding continues the procurement of application servers, storage area network (SAN), high availability storage arrays, and backup and recovery articles. It also supports the second half of the life-cycle workstation (UNIX platform) refresh project. FY07 funding provides for the life-cycle refresh of Government Furnished Equipment (GFE) at application contractor sites, and the procurement of equipment to support ISPAN strategic modernization efforts. This will include workstations, PCs, servers, storage devices, networking infrastructure and other peripherals. FY07 funding also begins the next increment of the PC and peripheral hardware life-cycle refresh.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** STRATEGIC COMMAND AND CONTROL

Description (continued):

5. USSTRATCOM STRATEGIC THREAT ANALYSIS and REPORTING SYSTEM (STARS): No FY07 funding is requested.

6. B-2 SUPPORT: The B-2 weapon system relies heavily on C2 equipment to meet its operational capability.

a. ENGINEERING DATA SYSTEMS (EDS): EDS provides engineers with specialized computers for on-line access to B-2 aircraft data. This data consists of items such as engineering analysis, manufacturing data, aircraft design, and software documentation to help solve technical issues on B-2 aircraft in the field. Locations with EDS computers include: Langley AFB, VA, Whiteman AFB, MO, Wright-Patterson AFB, OH, Oklahoma City Air Logistics Center, Tinker AFB, OK, and Northrop Grumman Corp, CA. FY07 funds continue procurement and installation of the backbone infrastructure hardware and software required to conduct communications in the B-2 community, manage and distribute B-2 technical data (drawings, engineering data, etc), and buy commercial-off-the-shelf (COTS) products to integrate with existing systems. This includes data link infrastructure.

b. WEAPON SYSTEM SUPPORT CENTER (WSSC): The WSSC, located at Oklahoma Air Logistics Center, Tinker AFB, OK, provides software support and maintenance for B-2 aircraft. Software maintenance fixes to aircraft systems include flight controls, flight management, navigation systems, weapons, and the defensive management system. These software maintenance fixes will be accomplished and tested with the use of the WSSC Software Development System (SDS) and integration and test computer laboratory complex by analyzing and designing fixes to existing aircraft software. FY07 funding continues the replacement of computer upgrades and enhancements to existing computer equipment (i.e., computer hardware, terminals, printers, disk and tape drives, workstations, commercial software, etc.) at existing subcontractor software laboratories relocated as part of the long-term software support effort.

For paragraphs 1 through 5, items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** STRATEGIC COMMAND AND CONTROL

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	A				$1,411		$1,750		$1,480
MOBILE CONSOLIDATED COMMAND CENTER (MCCC)	A				$8,804		$9,162		
USSTRATCOM C2 MODERNIZATION	A				$12,815		$13,516		$4,396
AFSPC C2 MODERNIZATION	A						$4,947		$3,077
INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN)	A				$14,747		$6,640		$10,027
STRATEGIC THREAT ANALYSIS AND REPORTING SYSTEM (STARS)	A				$968				
B-2 SUPPORT					{$8,168}		{$8,076}		{$8,096}
ENGINEERING DATA SYSTEMS (EDS)	A				$2,124		$3,406		$3,805
WEAPON SYSTEM SUPPORT CENTER (WSSC)	A				$6,044		$4,670		$4,291
TOTALS:					$46,913		$44,091		$27,076

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)									
FY2005(1,5)			USSTRATCOM	C/FP	MULTIPLE	Mar-05	May-05		
FY2006(1)			USSTRATCOM	C/FP	UNKNOWN	Mar-06	May-06	No	Feb-06
FY2007(1)			USSTRATCOM	C/FP	UNKNOWN	Mar-07	May-07	No	Feb-07
MOBILE CONSOLIDATED COMMAND CENTER (MCCC)									
FY2005(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ ALBUQUERQUE, NM	Feb-05	May-05		
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ ALBUQUERQUE, NM	Feb-06	May-06		
USSTRATCOM C2 MODERNIZATION									
FY2005(1,5)			USSTRATCOM	C/FP	MULTIPLE	Mar-05	May-05		
FY2006(1)			USSTRATCOM	C/FP	UNKNOWN	Mar-06	May-06	Yes	
FY2007(1)			USSTRATCOM	C/CPAF	UNKNOWN	Mar-07	May-07	No	Jan-07
AFSPC C2 MODERNIZATION									
FY2006(1,6)			AFSPC/SMC	SS/CPAF	MULTIPLE	Mar-06	Jun-06	Yes	
FY2007(1,6)			AFSPC/SMC	SS/CPAF	MULTIPLE	Mar-07	Jun-07	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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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
INTEGRATED STRATEGIC PLANNING AND ANALYSIS NETWORK (ISPAN)									
FY2005(1,4,7)			USSTRATCOM	OPT/FFP	MULTIPLE	Dec-04	Apr-05		
FY2006(1,4)			USSTRATCOM	OPT/FFP	COMPUTER SCIENCE CORPORATION/ FALLS CHURCH, VA	Dec-05	Feb-06		
FY2007(1,4)			USSTRATCOM	OPT/FFP	COMPUTER SCIENCE CORPORATION/ FALLS CHURCH, VA	Dec-06	Feb-07	Yes	
STRATEGIC THREAT ANALYSIS AND REPORTING SYSTEM (STARS)									
FY2005(1,3)			USSTRATCOM	C/FFP	MULTIPLE	Mar-05	May-05		
B-2 SUPPORT									
ENGINEERING DATA SYSTEMS (EDS)									
FY2005(1,3)			AFMC/OC-ALC	C/FP	MULTIPLE	Mar-05	Apr-05		
FY2006(1)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-06	Apr-06	Yes	
FY2007(1)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-07	Mar-07	Yes	
WEAPON SYSTEM SUPPORT CENTER (WSSC)									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2005(1,3)			AFMC/OC-ALC	C/FP	MULTIPLE	Mar-05	Jul-05		
FY2006(1)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-06	Apr-06	Yes	
FY2007(1)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-07	Apr-07	Yes	

Remarks:

(1) Varying unit costs and quantities due to various types of equipment being procured.
(2) Lockheed Martin contract awarded Feb 00 with options years through FY08.
(3) Procurement through various GSA contract sources and contractors. Contractors include: Transtel, Inc., Oklahoma City, OK; TRW, Oklahoma City, OK; Telos, Oklahoma City, OK; DEC Microsystems, Oklahoma City, OK; IBM, Oklahoma City, OK. Award/delivery dates reflect the date of first contract award and delivery.
(4) Computer Science Corporation, Falls Church, VA, Jul 04 basic contract award with nine option years.
(5) Procurement through various GSA contract sources and contractors. Contractors include: Government Technology Service, Inc., Chantilly, VA; Worldwide Technology, St Louis, MO; Sun Microsystems, Mountain View, CA; ANIXTER, Reston, VA; Storage Area Networks, Castle Rock, CO; and Gateway 2000, North Sioux City, SD. Award/delivery dates reflect the date of first contract award and delivery.
(6) Separate contracts to be awarded for SACCS and DIRECT. The Contractor identified for DIRECT is General Dynamics, Needham, MA. The SACCS contractor is currently UNKNOWN because the contract award is still in source selection as of Feb 06.
(7) Software purchased through Lockheed Martin using a one year FFP contract.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$15,580	$22,701	$19,257	$18,394	$22,573	$28,878	$29,327

Description:

This program supports the Cheyenne Mountain Complex (CMC). Cheyenne Mountain systems provide real-time ballistic missile warning, air defense, force management, battle management and command, control and communications for the North American Air Defense (NORAD) missions. The program also provides Air Force Space Command with communications and computer equipment for the Defense Messaging System (provides message service to all Department of Defense users (to include deployed tactical users) and interfaces to other U.S. government agencies, allied forces and Defense contractors), Base Network Control Center (the hub of Air Force network management, provides real-time monitoring, repair and optimization of base information systems), US Northern Command (USNORTHCOM) Mobile Consolidated Command Center and the Cheyenne Mountain Training System.

1. COMBATANT COMMANDER, MOBILE CONSOLIDATED COMMAND CENTER (MCCCs): The Combatant Commanders MCCC provides contingency reconstitution and continuity of command capabilities to accomplish directed Combatant Commander missions in the event primary command and control (C2) facilities are incapacitated. FY07 funding will procure upgrades to systems including Global Broadcast System-Internet Protocol, Defense Red Switch Network components and wideband communication. In addition FY07 funding will continue the replacement of vendor obsolete, commercial-off-the-shelf (COTS) products which are integral to MCCC operations. Replacement components ensure COTS products remain current and within the manufacturer's 18-month life cycle. These replacement components also ensure continuous interoperability with other command and control centers to meet Combatant Commander missions. FY07 funding will continue the USNORTHCOM MCCC transformation to enhance Homeland Security and Homeland Defense capabilities.

2. NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT (NCMC-TW/AA) SYSTEMS: These systems integrate and correlate missile launch, space object orbit and air surveillance information to assess the nature of an enemy attack and issue warnings to the President of the United States, the Prime Minister of Canada, United States Secretary of Defense and warfighting Combatant Commanders. Funding procures Combatant Commanders Integrated Command and Control System (CCIC2S) hardware and associated software equipment for Cheyenne Mountain operating locations, to include remote interfacing sites essential for executing US Strategic Command and NORAD missions exercised from the

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

Description (continued):

Cheyenne Mountain Operations Center and forward operating locations. (Reference the Research, Development, Test, and Evaluation Budget Justification Exhibits for Program Element 0305906F).

a. CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE: This program acquires the critical system components that comprise the information technology foundation for CCIC2S. Specifically, this includes system operations, communications, networks, C2 services, workstations, databases and security. This Core C2 Infrastructure is singularly integral to data exchange and interoperability between ground-based radar, airborne radar, satellites, fighter aircraft and intelligence sources. Funds will also procure Core C2 enterprise capabilities in support of Air and Missile Warning and Space missions. FY07 funds will continue procurement of Communications Processing System equipment, to include servers, client workstations, installations and upgrades. Additionally these funds support refreshment of existing core capabilities delivered in FY00/01.

b. INTERACTIVE TRAINING SYSTEM AND SCENARIO SERVICES: No FY07 funds are requested.

c. MISSILE ANALYSIS AND REPORTING SYSTEM (MARS): No FY07 funds are requested

d. SPACE COMMAND AND CONTROL: This effort provides Combatant Commanders with a single, coherent view of the space arena. It enables and enhances the monitoring of resident space objects as well as space capabilities and status. It also enables integrated assessment, planning and execution through specific applications available to Combatant Commanders.

(1) SPACE C2 APPLICATIONS: This effort provides a consolidation of the SPACE DEFENSE and SPACE SURVEILLANCE procurement requirements. This system provides an initial space common operating picture, enhancements to mission capability reporting and directed-energy/electronic interference analyses. This system maintains space situational awareness by identifying, tracking, characterizing and monitoring all man-made objects in earth orbit. FY07 funds procure space surveillance capability designed to support high accuracy catalog maintenance and products for a future expanded resident space object catalog.

(2) SINGLE INTEGRATED SPACE PICTURE (SISP): SISP provides combatant commanders enhanced space situational awareness with a single up-to-date, coherent view of space forces capabilities/status. FY07 funds procure equipment (enterprise work stations, servers, back-up servers, hardware guards, routers, switches, all other necessary cabling, etc.) and software. Equipment will be installed and integrated into a test

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

Description (continued):

lab, STRATCOM's Global Operations Center, Falconer Air Operation Centers and other required locations.

Items requested in FY07 are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CHEYENNE MOUNTAIN COMPLEX									
COMBATANT COMMANDER MOBILE CONSOLIDATED COMMAND CENTER (MCCC)	A						$4,169		$4,378
NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT SYSTEMS					{$15,580}		{$18,532}		{$14,879}
CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE	A				$5,861		$6,260		$13,068
INTERACTIVE TRAINING SYSTEM AND SCENARIO SERVICES	A				$883				
MISSILE ANALYSIS AND REPORTING SYSTEM (MARS)	A				$6,836		$7,540		
SPACE COMMAND AND CONTROL (C2)					{$2,000}		{$4,732}		{$1,811}
SPACE C2 APPLICATIONS	A				$2,000		$3,800		$500
SINGLE INTEGRATED SPACE PICTURE (SISP)	A						$932		$1,311
TOTALS:					$15,580		$22,701		$19,257

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

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
CHEYENNE MOUNTAIN COMPLEX									
COMBATANT COMMANDER MOBILE CONSOLIDATED COMMAND CENTER (MCCC)									
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Mar-06	Sep-06	Yes	
FY2007(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Feb-07	Jul-07	Yes	
NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT SYSTEMS									
CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE									
FY2005(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Oct-04	Feb-05		
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Mar-06	Sep-06	Yes	
FY2007(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Oct-06	Jan-07	Yes	
INTERACTIVE TRAINING SYSTEM AND SCENARIO SERVICES									
FY2005(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Dec-04	Apr-05		
MISSILE ANALYSIS AND REPORTING SYSTEM (MARS)									

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CHEYENNE MOUNTAIN COMPLEX

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
FY2005(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Dec-04	Apr-05		
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Mar-06	Sep-06	Yes	
SPACE COMMAND AND CONTROL (C2)									
SPACE C2 APPLICATIONS									
FY2005(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Dec-04	Mar-05		
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Mar-06	Sep-06	Yes	
FY2007(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Dec-06	Mar-08	Yes	
SINGLE INTEGRATED SPACE PICTURE (SISP)									
FY2006(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Mar-06	Sep-07	Yes	
FY2007(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/ COLORADO SPRINGS, CO	Dec-06	May-07	Yes	

Remarks:

(1) Various quantities and unit costs due to different site configurations.
(2) Options to basic Firm Fixed Price (FFP) contract (through FY11) awarded Feb 00 by competitive bid to Lockheed Martin, Colorado Springs, CO.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$131,524	$119,960	$120,406	$100,469	$96,707	$91,215	$95,896

Description:

General information technologies are a critical part of the Air Force (AF) vision to provide widespread, secure, robust, physically diverse terrestrial, airborne, and space-based transmission paths and information services between our fixed and deployed operating locations. These capabilities, when coupled with the AF's fixed-based transport and network operations infostructure from the Combat Information Transport System, the expeditionary base Theater Deployable Communications program, and via connections through teleport gateways, allow warfighters to exchange unprecedented levels of information. This program provides for commercially available Information Technology (IT) acquisitions and equipment additions to government-owned computer systems. Items to be purchased include, but are not limited to: desktop computers and associated peripheral devices (keyboards, monitors, printers), file servers, local area networks, gateways, and routers. New systems and system upgrades directly support operational mission requirements. All programs in this line improve AF automated capabilities via specific hardware and software tools. Programs support and enhance warfighting capability and all enhance productivity in support of AF weapon systems and personnel. Funds will support a standard system infrastructure that allows major commands to purchase computer equipment capabilities and provide quality networking.

11TH WING (11WG)

1. HEADQUARTERS INFORMATION TECHNOLOGY INVESTMENT: FY07 funding provides significant infrastructure improvements in many IT categories at Headquarters, United States Air Force. Personnel, including the Secretary of the Air Force and the Chief of Staff of the Air Force, will receive office automation systems and computer networks critical to supporting their mission of issuing AF directives and coordinating with the Department of Defense (DoD) and the Joint Staff. They need high-quality, high-speed connections to both classified and unclassified networks such as the Internet and the Secure Internet Protocol Routed Network (SIPRNET). Personnel will also receive centralized capabilities such as business-quality electronic mail and network management through programs such as the Network File Sharing System. Other investments include World Wide Web capabilities, remote computing, and video teleconferencing.

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

2. HEADQUARTERS MAINFRAME SYSTEM SUPPORT: Numerous IT upgrades are accomplished with FY07 funding. Magnetic tape systems are upgraded to meet increasing data storage requirements and enhance read/write capability and archival storage capacity. FY07 funding also addresses mainframe communications equipment upgrades to maintain computer system and network interface compatibility and provide IT user enhancements. Mainframe hardware upgrades meet required IT enhancements for customers and maintain operating system and application software compatibility. Upgrades to open systems architecture meet mandated IT enhancements and improve system performance capabilities. Computer operations equipment (hardware/software) will be updated to improve management of multiple information technology functions and print output media systems will be enhanced to improve operational throughput capacity.

3. DISASTER RECOVERY PROGRAM (DRP): DRP supports Defense Intelligence Agency plans for data recovery capability of mission-critical intelligence information used at both the Unified Command level and in the Tailored Intelligence Materials Production Program which procures hardware and software necessary to provide aircrews with worldwide virtual intelligence mission planning capabilities. FY07 funding enables information recovery on Top Secret-Special Compartmented Information level networks. Funds will be used to procure servers, storage devices, associated hardware upgrades, and installation costs.

4. AIR FORCE HISTORICAL RESEARCH AGENCY: FY07 funding procures hardware and software support for the electronic imaging infrastructure of the Inferential Retrieval Indexing System (IRIS II). IRIS provides the capability to convert paper and microfilm documents to a digital format, and to organize them into an electronic document management system. Funds procure equipment that provides the capability to collect, organize, and disseminate historical paper and electronic documents for official researchers, warfighters, planners, and professional military students at Air University.

5. BUSINESS TRANSFORMATION INVESTMENT PROGRAM: No FY07 funding requested.

6. DISTRIBUTED TRAINING AND EXERCISES: FY07 provides initial funding for wargaming/analysis suites for a Joint Warfighting System (JWARS) to be distributed in Washington, D.C. and to four Air Force bases. Funds also procure computer software and hardware.

7. PERSONNEL SERVICE DELIVERY: FY07 funds procure replacement hardware and upgrade central personnel computing systems and network architecture. It supports the Air Force Directorate of Personnel Force Development and Transformation initiative, creating integrated personnel/manpower/pay functionality, using web self-service capability and a central contact center. It supports the migration of the Military Personnel

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

Data System to the Defense Integrated Military Human Resource System and prevents gaps in functionality between the two primary AF military human resource systems.

AIR COMBAT COMMAND (ACC)

8. BASE OPERATIONS: FY07 funds procure modern Training and Range Command and Control (C2) equipment for Combat Air Forces operations electronic and communications connectivity. Funds continue to provide for the replacement of C2 consoles at ACC units.

9. TACTICAL AIR FORCES: FY07 funds replace seven command post consoles at 11 ACC bases. The consoles have reached the critical/non-supportable phase and are near end of life span. Failure to replace consoles will severely limit Command Control & Communications (C3) capability and reduce the effectiveness of command information flow. Funds support upgrades and current mission operations tempo due to obsolete technology. ACC's legacy command post consoles are between 20 and 30 years old; many components are no longer manufactured and spares have been depleted. ACC's Command Posts won't have reliable, redundant C3, putting ACC force projection at risk; units may be unable to meet higher headquarters (HHQ) taskings to support operational concepts and plans.

AIR EDUCATION AND TRAINING COMMAND (AETC)

10. TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): FY07 funds provide IT modernization systems, to include workstations, servers, software, and secure communications for the TTMS between technical training bases and their respective field training detachments, operating locations, and basic military training organizations. Funds will automate resource tracking within the TTMS. The TTMS is a tool for the management of all technical training students and resources, design and development of courses, evaluation of training to include testing and critiques, and management of employee records. This system meets advanced technical training requirements for 175,000 trainees per year in 20 different career fields.

11. AIR FORCE INSTITUTE OF TECHNOLOGY (AFIT) EDUCATION AND RESEARCH SYSTEM (EARS): The AFIT and the EARS provide advanced academic education for USAF, DoD, and foreign military officers to meet Institute-wide requirements for AFIT's unique education, research, consulting, and academic support missions. FY07 funds procure servers, enterprise backup, storage and retrieval systems, high-speed parallel-computing devices, and high-bandwidth internet working equipment to support multimedia delivery and collaborative applications. Funds procure bandwidth, required replacement

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

of, and upgrades to, central academic computing systems, and network architecture.

12. EDUCATION AND TRAINING TECHNOLOGY APPLICATIONS PROGRAM: This program provides innovative applications of commercial off-the-shelf, state-of-the-art technologies in the education and training arena. It allows AETC managers the opportunity to prioritize potential applications according to mission-critical needs. The implementation of these systems increases training efficiency and prepares units to fully utilize new information technologies such as the Internet for the betterment of education and training. FY07 funds continue procurement of computer hardware to support technology applications.

13. AIR UNIVERSITY (AU): These funds support efforts to migrate to the Education Management System (EMS). The EMS implements effective and efficient education information management practices at AU. The EMS encompasses the management of an information infrastructure (local networks and associated equipment), targeting major common business processes (Student Administration, including registrar functions, curriculum management and delivery, and resource management) employed throughout AU. FY07 funds establish information infrastructure to facilitate research, enhance curriculum, and provide information required to execute the education mission. This requirement supports the AU/CC approved IT Strategic Plan goal to leverage information technology in the education environment. Funds also purchase upgrades to the enterprise platform architecture and interoperability between education curriculums.

14. AIR FORCE RECRUITER INFORMATION SUPPORT SYSTEM (AFRISS): The AFRISS II is the AF's modernization program to replace the legacy Procurement Management Information System. FY07 funds purchase hardware and associated software necessary to automate and streamline recruiting processes to provide improved integration with the Military Personnel Data System (MilPDS). The AFRISS II improves the speed by which the AF processes recruits, an important capability in an increasingly competitive market, and fully implements Air National Guard Recruiting functionality. Additionally, funding will procure three telecommunications modules and other required enhancements necessary to support recruiting business practices, applicant entry into active duty, and an increased number of recruiters.

15. PROFESSIONAL MILITARY EDUCATION: No FY07 funding requested.

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

AIR FORCE MANPOWER and INNOVATION AGENCY

16. MANPOWER DATA SYSTEMS: No FY07 funding requested.

AIR FORCE MATERIEL COMMAND (AFMC)

17. COMPREHENSIVE ENGINE TRENDING AND DIAGNOSTICS SYSTEM (CETADS): The CETADS is the jet engine trending and diagnostic system for the AF, supporting engine test software for AF On-Condition Maintenance and Reliability Centered Maintenance programs. It is a National Security System program, utilized worldwide in support of Air Combat Command, Air Mobility Command, Air National Guard, AF Reserve Command, Pacific Air Forces, US Air Forces in Europe, AF Materiel Command, and Air Education and Training Command. The system currently supports 10 different types of jet engines. The information storage and retrieval system manages over 400,000 critical parts in the AF fleet of approximately 15,000 turbine engines. The system analyzes installed engine performance and maintenance data to rapidly and accurately provide alarms, diagnostics, trends, forecasts, and engine health data to flight line personnel, engine managers, and propulsion engineers. This essential, invaluable statistical information is used to prevent engine and weapon system damage by diagnosing and trending the health of the engine before failure. The goals of CETADS include: reduced maintenance costs associated with AF turbine engines; increased safety of flight; and increased aircraft utilization rates. FY07 funds provide for continued CETADS procurement of a wide range of special configurations of computers and commercial and peripheral hardware devices essential for multiple weapon system support. CETADS has been designated a mission-critical computer resource.

18. NETWORK SERVICES: FY07 funds provide information assurance software and Consolidated Network Control Center (CNCC) server hardware upgrades at AFMC bases, and will support continued consolidation of electronic mail services at AFMC's Air Logistics Centers (ALCs). Specifically, these funds will acquire additional storage (LANs, servers), accommodating expanding customer needs.

19. WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS): WSMIS provides an automated logistics decision support system to ensure that USAF weapon systems and combat forces meet wartime taskings and peacetime operating requirements. FY07 funds will procure computer hardware and associated peripheral equipment to maintain operational readiness/availability of the WSMIS module. In addition, FY07 funds will satisfy WSMIS decision support processes in unclassified and classified environments and ensure these implementations maintain the foundation infrastructure to support future enterprise initiatives such as Logistics Information Requirements, Global Force Management, Expeditionary Combat Support System, and

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

Air Force Knowledge Services migration.

20. AUTOMATIC IDENTIFICATION TECHNOLOGY (AIT) PROGRAMS: AIT is a collection of enabling technologies including linear and two-dimensional bar codes, radio frequency identification, smart cards, memory cards, laser cards, touch memory, and voice and biometrics identification. These technologies provide timely and accurate automatic capture, aggregation, and transfer of data to management information systems with minimal human involvement. By captializing on advances in technology the Air Force is able to gain efficiencies in the logisitical supply chain and asset visibility throughout an item's life cycle. Project funding enables compatibility of Air Force and industry standards in the core areas of supply, transportation, and maintenance, as well as weaving commercial AIT business practices and standards into Air Force logistics infrastructure. AIT management information systems include, but are not limited to Radio Frequency Identification (RFID), Serial Number Tracking (SNT), Unique Identification (UID), and Real Time Location Systems (RTLS) technology and systems. FY07 funding acquires equipment, software, and training.

21. AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) POINT OF MAINTENANCE (POMX): POMX supports multiple disciplines (e.g. maintenance, munitions, etc.) by utilizing AIT in order to reduce the user data collection burden. This capability will enable POMX users to record and transmit their work efforts directly into maintenance computer systems from the work location or laptop, increase the data accuracy, and minimize the data latency. AFSOC POMX incorporates Interactive Electronic Technical Manual (IETM) infrastructure requirements creating a combined multiple use E-Tool (POMX and IETM) on the same device. FY07 funds purchase, sustain, and maintain the electronic tools and wireless LAN equipment, including a deployable computer server, necessary to ensure continued use of POMX whether at home station or in a deployed scenario.

22. EAGLE VISION: Eagle Vision is a family of systems that provide commercial imagery data to operational commanders for mission planning, rehearsal, visualization, and intelligence support purposes. Eagle Vision is composed of the Data Acquisition System (DAS) and Data Integration System (DIS). FY07 funds support procurement of EV6, Eagle Vision DAS, and DIS upgrades. These upgrades support improved processing capability, additional satellite capabilities, and baseline upgrades.

23. EAGLE SCOUT: No FY07 funding requested.

24. INTEGRATED BROADCAST SYSTEM (IBS): The IBS is a multisensor, multisource integrated interactive dissemination capability. IBS provides intelligence producers and information sources the means to analyze and disseminate strategic, operational, and tactical intelligence information to the

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Description (continued):

warfighter. The IBS operational baseline represents the migration, integration, and consolidation of existing tactical data dissemination capabilities to a common architecture and message format. The IBS provides a Sensitive Compartmented Information (SCI) network capability to permit coordination and tip-offs between intelligence producers and users. FY07 funds procure hardware and associated software upgrades/licenses for IBS operational baseline critical physical components. Refer to the Research, Development, Test and Evaluation (RDT&E) Budget Justification Exhibits for Program Element (PE) 0301579F.

25. SCIENCE AND ENGINEERING LAB DATA INTEGRATION: No FY07 funding requested.

26. ADR - AERONAUTICAL SYSTEM CENTER: No FY07 funding requested.

27. JOINT INTERFACE CONTROL OFFICER SUPPORT SYSTEM (JSS): FY07 funds procure support for the JSS tool set that facilitates the Joint Interface Control Officer's ability to plan and manage the Multi-Tactical Digital Information Link (TADIL) Data Link Network. TADIL is an interface between two or more command and control or weapon systems via a single or multiple network architecture and multiple communication media for exchange of tactical information. This acquisition also includes data exchange requirements, corrects network deficiencies, and transmits and receives in the Multi-TADIL Data Link Network. The Common Core Capability is a common suite of software and hardware delivered to the services for integration into operations centers. A full expeditionary capability package includes a self-contained, mobile out-of-the-area kit that includes radios, data terminals, power, and shelters. The Joint Requirements Oversight Council validated and approved the JSS Operational Requirements Document. Refer to Research, Development, Test, and Evaluation (RDT&E) Budget Justification Exhibits for Program Element 0207434F.

28. OBJECTIVE GATEWAYS/JOINT RANGE EXTENSION: All gateway systems (legacy and objective) enable combat forces to exchange information quickly and accurately. Legacy gateway systems are point-to-point service systems that satisfy niche or narrow user-set requirements, primarily focus on TDL interoperability (typically Link 16-Enhanced Position Location and Reporting System (EPLRS) cross-link), and have limited footprints or coverage. The Air Force is transitioning to an Objective Gateway (OG) capability; an OG is a multi-cast system, performs network (internet protocol (IP)-based) capabilities, services theater-wide operational and tactical users, and is evolving to satisfy a broad range of information sharing requirements (i.e. Communications, Electronic Warfare, Info Warfare, and SIGINT-based). The Battlefield Airborne Communications Node (BACN) is the airborne system under this umbrella.

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

FY07 funds OG and Joint Range Extension (JRE) Transparent Multi Platform Gateway (TMPG) Equipment Packages (JTEP). This program procures near-term objective gateway technology and deployable elements for the establishment of Tactical Data Networks and connectivity to Air Defense Sectors (ADS) and Air Operation Centers (AOCs). These programs support forward-deployed joint forces and Homeland defense (military support to first responders). In FY07, the OG program incorporates the BACN program and begins transitioning from a demonstration/research and development capability to an operational capability. The BACN system will provide extended data link interoperability (Link 16, Variable Message Format (VMF), (EPLRS), and Integrated Broadcast Service (IBS)), voice bridging (ultra high frequency/very high frequency (UHF/VHF), cellular, line-of-sight/beyond-line-of-sight (LOS/BLOS), and data pathways for older data networks to connect into evolving IP network structures, thus integrating critical legacy comm systems into newer systems. Funds also provide technical refresh and upgrades to legacy gateway systems; including processing capability upgrades, operating system updates, addition of terminal and host input/output, completion of gateway architecture fielding, and displays/graphical User Interfaces upgrades, while the objective gateway technology is matured and fielded. In addition, funds procure support equipment to enable C2 Enterprise Integration and Ground Mobile systems to meet urgent requirements for data link capabilities in the field. Research and development funds are found in PE 0207434F.

29. INITIAL FIELDING SUPPORT (IFS): FY07 funding provides capabilities and services required to execute the initial fielding, capability integration, and interoperability, as well as network engineering services of Tactical Data Links (TDLs) across AF platforms. This subparagraph was previously called TDL Field Engineering Services (FES).

30. AIR FORCE PARTICIPATING TEST UNIT (AFPTU): FY07 funds procure the equipment necessary for the Air Force TDL Interoperability Certification (IC) tests. The Air Force Participating Test Unit (AFPTU) conducts AF IC, executes the Air Force System Interoperability Test (AFSIT), and coordinates Air Force participation in OSD/JCS mandated Joint Interoperability Testing (JIT) on all weapon systems employing TDL. The AFPTU test facility contains the TDL, JTIDS terminals, Link 16 Gateways, and the communications and simulation equipment necessary to conduct AFSIT and facilitate/participate in JIT.

31. POCKET J: No FY07 funding requested.

32. LINK 16 ALASKA: No FY07 funding requested.

33. PALMTOP EMERGENCY ACTION FOR CHEMICAL (PEAC): No FY07 funding requested.

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

34. WORLDWIDE WAREHOUSE REDISTRIBUTION SYSTEM: No FY07 funding requested.

AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS (AFOSI)

35. AFOSI COMPUTER NETWORK: The AFOSI Communications and Information Directorate is responsible for centralized management of sensitive data. AFOSI processes this data on unclassified, classified, Special Access, and Top Secret/SCI computer and information management systems to achieve the command's operational objectives in support of the AF and Office of the Secretary of Defense. FY07 funds provide for the replacement of vital computer equipment to include servers and mass storage devices. This will enable AFOSI to stay current in IT technology supporting 2,000 worldwide personnel to effectively process, track, and disseminate perishable investigative information to AF commanders and national-level customers.

36. DEFENSE CYBER CRIME CENTER (DC3): The DoD DC3 is comprised of the DoD Computer Forensic Laboratory, the DoD Computer Investigations Training Program, and the DoD Cyber Crime Institute. DC3 is responsible for providing state-of-the-art electronic forensic services and cyber investigative and operational support to DoD customers, to include protection of DoD vital information systems. FY07 funds procure media analysis and training workstations, peripherals, and software essential to conducting computer forensic analysis and teaching computer forensics.

AIR FORCE PERSONNEL CENTER (AFPC)

37. PERSONNEL DATA SYSTEM: FY07 funding provides for the operation/sustainment of AFPC IT infrastructure. Specifically, funding provides for upgrades, continuing stabilization, and sustainment of the current core communications and computer facilities supporting AFPC. The system employs client-server and relational database management technologies to support all phases of the personnel life cycle, including accession, training, assignment, promotion, retirement, and death.

38. REGIONALIZATION OF CIVILIAN PERSONNEL SUPPORT: FY07 funding continues to support PALACE COMPASS regionalization and modernization of 98 worldwide AF Civilian Personnel Operations sites, including the Regional Service Center at Randolph AFB, TX. The hardware associated with PALACE COMPASS implementation and the subsequent technology refresh support a variety of AF personnel network applications such as: Defense Civilian Personnel Data System, Personnel Automated Records Information System, Civilian Personnel Decision Support System, Employee Benefits and Information System, Interactive Voice Response System, RESUMIX (Civilian Personnel Decision Support System), Business Objects, and the

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

Description (continued):

Civilian Announcement Notification System.

39. VIRTUAL MILITARY PERSONNEL FLIGHT: No FY07 funding requested.

AIR INTELLIGENCE AGENCY

40. OFFENSIVE INFORMATION WARFARE (IW) SUPPORT: FY07 funding provides computers, computer-related memory storage, local and long-haul communications, contractor information system specialities, infrastructure, and unique intelligence and analysis equipment required to support IW analysis, which delivers timely AF IW capabilities for training, electronic warfare systems capabilities analysis, and combat operations.

US AIR FORCE ACADEMY

41. AIR FORCE ACADEMY COMPUTER SUPPORT: The USAFAnet (USAFA Infostructure) provides all backbone connectivity between core network services (files, e-mail, print, web) and common user systems including NIPRNet, SIPRNet, and Internet access. The USAFAnet requires investment in upgrades for performance, security, and availability in accordance with AFI 65-601, Vol 1 to comply with AF Enterprise Architecture standards, to support the Air Force Academy mission. FY07 funding continues the modernization of the Cadet Administrative Management Information System (CAMIS) from the legacy platform to an upgraded platform supporting migration to Windows NT. The CAMIS supports all facets of student management to include: a cradle-to-grave system containing all admissions, registrar, preparatory, academic, athletic, military training data from application to graduation/ commissioning, through military career of each cadet; the CAMIS rides on the USAFnet.

US AIR FORCES IN EUROPE (USAFE)

42. INTELLIGENCE AUTOMATIC DATA PROCESSING EQUIPMENT (ADPE): This project provides continued equipment upgrades for USAFE intelligence ADP systems and communications networks. FY07 funds upgrade information technology needed in support of analysis and dissemination of intelligence to aircrews for mission planning throughout the USAFE area of responsibility, directly supporting combat/crisis/peacekeeping operations.

43. WARRIOR PREPARATION CENTER (WPC): The WPC provides senior battle commanders and their staff the opportunity to train at the operational

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Description (continued):

level of war using interactive computer simulations that replicate, as closely as possible, the real-world environment. The WPC extends this training opportunity to NATO as wells as partnership for peace nations. These exercises, mission rehearsals, and contingency operations improve component, joint, and combined forces' expeditionary readiness in line with DoD training transformation goals. While the WPC's focus is the operational level of war, tactical training continues to merge into exercise scenarios thanks to the availability of weapon system simulators. FY07 funds allow the WPC to tap these systems to develop a more realistic and complex joint training synthetic battle space environment for all participants.

UNITED STATES NORTHERN COMMAND (USNORTHCOM)

44. USNORTHCOM ARCHITECTURE AND INTEGRATION: No FY07 funding requested.

US STRATEGIC COMMAND (USSTRATCOM)

45. COMMAND MANAGEMENT LAN NETWORK INFRASTRUCTURE: The USSTRATCOM unclassified and classified Command Management Local Area Network provides users a standard suite of software applications. FY07 funding continues infrastructure and component upgrades for network file servers, mail servers, and printer servers; stratus servers (a new technology server capable of zero interruption in processing, zero loss of performance, and zero loss of data integrity) and Standard Query Language servers; and gateways, hubs, routers, and other associated network peripherals.

AIR FORCE SAFETY CENTER

46. AUTOMATED SAFETY SYSTEMS: No FY07 funding requested.

AIR FORCE SPACE COMMAND/SPACE AND MISSILE CENTER

47. RESEARCH AND DEVELOPMENT SPACE AND MISSILE OPERATIONS (RDSMO) PROGRAM: This Air Force umbrella program includes funding for the RDT&E Support Complex (RSC) and Center for Research Support (CERES); beginning in FY07 it also includes funding the new Multi-Mission Space Operations Center (MMSOC). The MMSOC's main objective is to transit research and development space vehicle technology with residual military utility to operational status for immediate real world support or initial operational utility assessment for future acquisition programs. The MMSOC is also

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Description (continued):

designed to be a satellite command and control (C2) spiral evolution resource for new satellite systems. Research and development funds for the MMSOC are in PE 0605864F.

a. RSC/CERES UPGRADES: FY07 funding procures RSC/CERES computer and hardware upgrades to improve the consolidated satellite telemetry, tracking, and commanding facilities located at Kirkland AFB, NM and Schriever AFB, CO. It also funds upgrades to worldwide deployable ground systems that support the space test research and readiness control mode and interface with the Air Force Satellite Control Network and other agencies in support of space system testing.

b. MMSOC: FY07 funds procure hardware, software, and communications capabilities needed to install systems and perform necessary testing for four operational satellite ground systems and a multi-band antenna. The multi-band antenna will support numerous missions that require access to space assets outside the S-Band.

NATIONAL SECURITY EMERGENCY PREPAREDNESS

48. SITE R ADP SUPPORT: FY07 funds procure hardware, computers, storage, local and long-haul communications, infrastructure, data replications, and other networking equipment to improve/expand both the classified and unclassified AF C4 systems at a HQ USAF relocation site. Equipment will ensure connectivity, computing, and information retrieval capability. Funding also supports the development of a Continuity of Operations (COOP) web portal, which is designed to track personnel in route to alternative sites, their training status and pertinent COOP documents. Should HQ USAF be relocated, SECAF, CSAF, and their staffs require the same capabilities at the deployed site as they currently have in the Pentagon.

HQ PACIFIC AIR FORCES

49. INTELLIGENCE ACTIVITIES: No FY07 funding requested.

In FY05, General Information Technology received $14.880M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

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Description (continued):

In FY06, General Information Technology received a $10.6M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GENERAL INFORMATION TECHNOLOGIES									
11 WG					{$16,247}		{$13,984}		{$18,048}
HQS IT INVESTMENT	A				$9,600		$8,061		$7,973
HQS MAINFRAME SYS SPT	A				$1,376		$317		$250
DISASTER RECOVER PROGRAM	A				$3,109		$2,319		$4,357
AF HISTORICAL RESEARCH AGENCY	A				$348		$322		$331
BUSINESS TRANSFORMATION INVESTMENT PROGRAM	A				$1,814				
DISTRIBUTED TRAINING AND EXERCISES	A						$794		$1,223
PERSONNEL SERVICE DELIVERY (PSD)	A						$2,171		$3,914
ACC					{$4,261}		{$3,451}		{$3,108}
BASE OPERATIONS	A				$4,261		$2,825		$2,449
TACTICAL AIR FORCES	A						$626		$659
AETC					{$9,490}		{$7,017}		{$7,102}
TECHNICAL TRAINING MANAGEMENT SYSTEM	A				$460		$618		$232
AFIT EARS	A				$712		$470		$663

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
EDUCATION AND TRAINING TECH APPLICATIONS PRGM	A				$2,433		$1,819		$1,901
AU	A				$1,755		$1,206		$1,267
AFRISS	A				$3,817		$2,904		$3,039
PROFESSIONAL MILITARY EDUCATION	A				$313				
AF MANPOWER & INNOVATION AGENCY (AFMIA)					{$828}				
MANPOWER DATA SYSTEMS	A				$828				
AFMC					{$70,760}		{$70,736}		{$61,954}
CETADS					$275		$250		$250
NETWORK SERVICES	A				$250		$289		$250
WSMIS	A				$374		$7,669		$557
AUTOMATIC IDENTIFICATION TECHNOLOGY	A								$9,708
AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) POINT OF MAINTENANCE (POMX)	A				$12,393		$3,006		$3,154
EAGLE VISION					$7,242		$6,054		$5,346
EAGLE SCOUT	A				$1,500				
INTEGRATED BROADCAST SERVICE	A				$11,595		$11,006		$11,949

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SCIENCE & ENG LAB DATA INTEGRATION	A				$4,900		$2,500		
ADR - AERONAUTICAL SYSTEM CENTER	A				$1,000				
JOINT INTERFACE CONTROL OFFICER SUPT SYT	A				$10,179		$6,056		$5,784
OBJECTIVE GATEWAYS/JOINT RANGE EXTENSION	A				$8,496		$10,151		$18,068
INITIAL FIELDING SUPPORT (IFS)	A				$6,315		$8,655		$4,888
AF PARTICIPATING TEST UNIT (AFPTU)	A				$1,241				$2,000
POCKET J	A				$5,000		$1,700		
LINK 16 ALASKA	A						$8,500		
PALMTOP EMERGENCY ACTION FOR CHEMICAL (PEAC)	A						$3,500		
WORLDWIDE WAREHOUSE REDISTRIBUTION SYSTEM	A						$1,400		
AFOSI					{$4,315}		{$2,545}		{$2,721}
AFOSI COMPUTER NETWORK	A				$3,366		$2,281		$2,444
DEFENSE CYBER CRIME CENTER	A				$949		$264		$277
AFPC					{$11,501}		{$13,343}		{$13,202}
PERSONNEL DATA SYSTEM	A				$2,550		$3,048		$3,179

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
REGIONALIZATION OF CIVILIAN PERSONNEL SPT	A				$8,629		$10,295		$10,023
VIRTUAL MILITARY PERSONNEL FLIGHT	A				$322				
AIA					{$3,364}		{$2,056}		{$2,017}
OFFENSIVE INFORMATION WARFARE SUPPORT	A				$3,364		$2,056		$2,017
USAFA					{$3,080}		{$2,902}		{$3,046}
USAFA COMPUTER SPT	A				$3,080		$2,902		$3,046
USAFE					{$1,191}		{$1,400}		{$1,458}
INTELLIGENCE ADPE	A				$585		$829		$859
WPC	A				$606		$571		$599
US NORTHERN COMMAND					{$4,153}		{$1,738}		
USNORTHCOM ARCHITECTURE & INTEGRATION	A				$4,153		$1,738		
USSTRATCOM					{$972}		{$334}		{$490}
COMMAND MANAGEMENT LAN NETWORK INFRASTRUCTURE	A				$972		$334		$490
AIR FORCE SAFETY CENTER					{$104}				
AUTOMATED SAFETY SYSTEMS	A				$104				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GENERAL INFORMATION TECHNOLOGY

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR FORCE SPACE COMMAND/SPACE & MISSILE CENTER					{$251}		{$236}		{$7,077}
RDSMO									
RSC/CERES UPGRADES	A				$251		$236		$250
MMSOC	A								$6,827
NATIONAL SECURITY EMERGENCY PREPAREDNESS					{$287}		{$218}		{$183}
SITE R ADP SUPPORT	A				$287		$218		$183
PACAF					{$720}				
INTELLIGENCE ACTIVITIES	A				$720				
TOTALS:					$131,524		$119,960		$120,406

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$16,155	$11,686	$13,877	$13,782	$13,635	$13,739	$13,722

Description:

The Global Command & Control System-Air Force (GCCS-AF) program provides the common AF infrastructure and hardware necessary to pass AF command and control (C2) data among commands, their components, and the joint GCCS. This program procures GCCS components, servers, work stations, commercial-off-the-shelf (COTS) software, and associated peripherals to provide users with the full suite of joint baseline capability (including the Common Operating Picture) and AF specific applications such as the Deliberate Crisis Action Planning & Execution Segments (DCAPES), and the AF's feed into the Joint Operations Planning and Execution System (JOPES). GCCS-AF is integrated at the following locations to establish initial and full joint connectivity and operational capability across the spectrum of intelligence, operations, manpower, and logistics: AF supported warfighting commanders, Headquarters United States Air Force, major command headquarters (MAJCOM), numbered air forces, wings, Air National Guard (ANG) bases, Air Force Reserve (AFR) bases, and remote sites. Each site will comply with current Air Force and Department of Defense (DoD) network initiatives by employing a standardized interface among AF base-level classified C2 networks, AF base-level network control centers, and the joint Defense Information Systems Agency Secret Internet Protocol Network. This program provides a flexible open system, distributed C2 architecture necessary to support the client/server-based joint GCCS. GCCS supports AF operations by installing and upgrading a site's classified C2 system through extensive use of COTS technology that adheres to Air Force command, control, communications, and computer architectures and standards.

1. GCCS-AF MODERNIZATION: FY07 funds field GCCS-AF systems hardware and government-off-the-shelf and COTS software at MAJCOM, ANG, and AFR locations providing a full spectrum of command, control, logistics, and intelligence capability from strategic to unit level operations with total joint service connectivity. It also modernizes logistically unsupportable MAJCOM C2 systems to accept advancements in the Air Force and joint GCCS software. The classified command and control infrastructure of MAJCOM C2 facilities (e.g. command posts) will be modernized by installing state-of-the-art components for improved integration, interoperability, data throughput and system security. In addition, funds procure application and data base servers, system guards, cryptological and end user equipment for multiple new sites and supports the deployment of the DCAPES application. This expanded GCCS architecture supports functional users on each base and specifically incorporates manpower and logistics functions into GCCS. This fielding is consistent with the AF's Air Expeditionary Force C2 structure and the Joint Vision for the follow-on fielding of the Joint Command and Control (JC2)

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM

Description (continued):

System, and will allow for the continued integration of evolving C2 capabilities into the AF's operational framework. These funds also provide technical refreshment hardware to support the warfighters fielded system and procure software licenses.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
GCCS-AF MODERNIZATION							{$16,155}			{$11,686}			{$13,877}
HARDWARE	A						$14,655			$10,186			$12,377
SOFTWARE LICENSES							$1,500			$1,500			$1,500
TOTALS:							$16,155			$11,686			$13,877

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE GLOBAL COMMAND & CONTROL 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
GCCS-AF MODERNIZATION									
HARDWARE(1)									
FY2005(2)			AFMC/ESC	MIPR/IDIQ	GSA/ DISA/ DITCO/ SCOTT AFB, IL	Dec-04	Jan-05		
FY2006(2)			AFMC/ESC	MIPR/IDIQ	GSA/ DISA/ DITCO/ SCOTT AFB, IL	Jan-06	Mar-06		
FY2007(2)			AFMC/ESC	MIPR/IDIQ	GSA/ DISA/ DITCO/ SCOTT AFB, IL	Dec-06	Jan-07	Yes	

Remarks:

(1) Quantity and unit costs vary due to different types/configuations of equipment being procured.
(2) Multiple NETCENTS contracts with companies such as Centech, Arlington, VA and Multimax, Largo, MD. Award/delivery dates reflect date of first award and first delivery.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY COMMAND AND CONTROL

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$8,624	$9,360	$10,060	$10,298	$10,549	$10,823	$10,983

Description:

Global Mobility Command and Control (C2) is crucial to the management and control of global force deployment, employment, sustainment and redeployment for the supported commander.

1. GLOBAL MOBILITY C2 ARCHITECTURE: Air Mobility Command (AMC) supports national power projection force deployments and time sensitive logistics requirements. To perform this mission, AMC requires an effective mobility C2 system that provides for efficient centralized management of the entire United States strategic mobility fleet. Whereas most other Major Commands have their entire base communications infrastructure funding in P-1 Line 73, AMC has a portion of its base communications infrastructure funding in P-1 Line 49. AMC's base communications infrastructure contained herein is unique to AMC and directly supports the Global Mobility mission.

a. LOCAL AREA NETWORK (LAN): FY07 funding continues procurement of network equipment at each AMC base/unit to build an enhanced, robust and reliable command wide intra- and inter-building networking infrastructure. This infrastructure will host critical Air Force systems such as the Defense Messaging System (provides critical classified and unclassified message service to all DoD users (to include deployed tactical users), access to and from DoD locations worldwide and interfaces to other U.S. government agencies, allies and Defense contractors), Combat Information Transport System (the backbone network that provides high-capacity transport of data, voice, and video for all active duty and reserve Air Force bases), base level systems modernization and other AMC systems such as Global Decision Support System, Objective Wing Command Post, etc. Upgrades keep pace with changing technology by re-assessing the needs of the warfighter and obtaining the necessary LAN infrastructure needed to sustain current capabilities and implement new C2 systems.

b. ADVANCED COMPUTER FLIGHT PLAN (ACFP): The ACFP is a user-friendly, menu-driven, computer-generated flight planning C2 system used to generate wind-optimized flight plans for all MAJCOMs. FY07 funding provides increased 3-Dimensional optimization capabilities and upgrades two database servers to accommodate expanded data needed for accurate flight plan calculations.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY COMMAND AND CONTROL

Description (continued):

c. DEPLOYED SATELLITE COMMUNICATIONS (DSATCOM): The DSATCOM program constitutes the primary acquisition support vehicle for deployed AMC Tanker Airlift Control Elements (a mobile command and control organization deployed to support strategic and theater air mobility operations at fixed, enroute and deployed locations where air mobility operational support is nonexistent or insufficient) and Mission Support Team (MST) C2 operations. Resources directly support C2 and In-Transit Visibility over deployed and enroute personnel, aircraft and cargo. FY07 funds will purchase two Deployable Rapidly Assembled Shelters, two Mobile Air Reporting Communications Systems (transportable communication and information processing systems that support mission planning, scheduling and tracking) and two Inter-Theater Communications units in order to provide rapidly deployable communications support capability in austere locations.

2. AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) TACTICAL COMMAND AND CONTROL (TAC C2) PROGRAM: The AFSOC TAC C2 program funds the procurement of enhanced communications systems and equipment essential for Special Tactics (ST) operations. Special Tactics operators are combat controllers, pararescue personnel and combat weather personnel. ST operators input intelligence, weather and assault zone assessments into AFSOC's C2 network and receive/relay mission taskings. The AFSOC TAC C2 program enables personnel to perform special reconnaissance, time critical targeting, survey and assessment and combat weather forecasting. AFSOC TAC C2 systems are necessary for operators to perform austere airfield control, drop zone control, terminal attack control and personnel and equipment recovery. FY07 funds procure multiple devices to support ST missions such as machine-to-machine targeting; self-healing communications networking devices that link C2 nodes, ST operators and aircraft into one network and multi-band, multi-mode beacons used to guide aircraft to drop zones, landing zones or extraction zones in support of combat operations.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY COMMAND AND CONTROL

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1. GLOBAL C2 ARCHITECTURE									
A. LAN	A				$3,454		$3,873		$4,603
B. ACFP	A				$700		$750		$750
C. DSATCOM	A				$4,200		$4,500		$4,400
2. AFSOC TAC C2 PROGRAM	A				$270		$237		$307
TOTALS:					$8,624		$9,360		$10,060

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO		PAGE NO:		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
GLOBAL C2 ARCHITECTURE(1)									
LAN									
FY2005(2)			HQ AMC	OPT/FP	MULTIPLE	Dec-04	Feb-05		
FY2006(2)			HQ AMC	OPT/FP	MULTIPLE	Dec-05	Feb-06		
FY2007			HQ AMC	C/FP	UNKNOWN	Mar-07	Sep-07	Yes	
ACFP									
FY2005(3)			HQ AMC	OPT/FFP	HEWLETT PACKARD/ ST LOUIS, MO	Jan-05	Apr-05		
FY2006(3)			HQ AMC	OPT/FFP	HEWLETT PACKARD/ ST LOUIS, MO	Jan-06	Apr-06		
FY2007			HQ AMC	C/FFP	UNKNOWN	Mar-07	Sep-07	Yes	
DSATCOM									
FY2005			HQ AMC	MIPR/FFP	NAVY/ BRITISH AEROSPACE SYSTEMS/ UK	Dec-04	Aug-05		
FY2006			HQ AMC	MIPR/OPT/FFP	NAVY/ BRITISH AEROSPACE SYSTEMS/ UK	Dec-05	Aug-06		

	P-1 ITEM NO		PAGE NO:		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2007			HQ AMC	MIPR/OPT/FFP	NAVY/ BRITISH AEROSPACE SYSTEMS/ UK	Dec-06	Aug-07	Yes	
AFSOC TAC C2 PROGRAM									
FY2005			HQ AFSOC	MIPR/FFP	MARINES/ SIEMENS ROLM/ VIENNA, VA	Jan-05	Aug-05		
FY2006			HQ AFSOC	MIPR/OPT/FFP	MARINES/ SIEMENS ROLM/ VIENNA, VA	Jan-06	Aug-06		
FY2007			HQ AFSOC	MIPR/FFP	MARINES/ UNKNOWN	Jan-07	Aug-07	Yes	

Remarks:

(1) Quantities and unit costs vary due to different site configurations/computer items being procured.
(2) Utilizes Air Force Computer Acquisition Center 308 and Desktop IV & V contracts. Multiple award and delivery dates to multiple vendors; award/delivery dates reflect date of first award and delivery.
(3) Contract awarded Oct 02 (nine option years) to Hewlett Packard, St Louis, MO.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE PHYSICAL SECURITY SYSTEM

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$96,988	$39,953	$41,382	$72,895	$56,326	$53,964	$55,103

Description:

This program procures and installs integrated base defense physical security equipment to protect aircraft, missiles, nuclear weapons and other critical war fighting resources on 213 installations worldwide to include active Air Force (AF), AF Reserve and Air National Guard installations. The AF has a continuing need to upgrade and modernize existing physical security systems presently installed at fixed sites worldwide. These systems must be replaced on average every five years, depending on environmental conditions, type of sensor and availability of spare parts due to technical obsolescence. The program funds modern security equipment such as, but not limited to, ground surveillance radar systems, explosive detection systems, fence sensor systems, access control systems and unmanned ground/airborne surveillance and detection systems. The modern equipment replaces older generation intrusion detection systems at fixed sites and provides sensors for use on AF flight lines. It will respond to transient security threats and provide tactical sensors, communications equipment, command & control, physical delay and/or denial devices, engineering, installation, allied support, modeling and simulation, and training. This program also directly supports the Homeland Defense elements of antiterrorism, counter-terrorism, critical infrastructure protection, intelligence and consequence management. Other physical security delay/denial equipment funded in this program include remotely operated mobile sensor systems (to include the associated unmanned air and/or ground vehicle platforms); directed energy weapons for force protection applications; nonlethal weapons and remotely operated weapons mounting and fire control systems.

1. TACTICAL SECURITY SYSTEMS: Tactical Security Systems provide integrated electronic security systems designed for rapid deployment and worldwide operation. Tactical Security Systems employ sensors, assessment devices, alarm monitors, data communications links and power equipment to form a continuous electronic security envelope around critical resources, improving the ability of Air Force Security Forces to see, understand and act first to defeat our enemies. Designs are modular and tailored to support any requirement and include line and wide-area detection and assessment systems such as ground surveillance radar and unmanned ground/airborne surveillance systems. An on-going Pre-Planned Product Improvement Program provides for the sustainment of the system. The system also has a robust technology insertion effort to capture latest physical security advancements.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE PHYSICAL SECURITY SYSTEM

Description (continued):

a. AIR BASE GROUND DEFENSE: These funds support the Air Force tactical sensor program which addresses air base defense requirements for security forces to detect intrusions and assess targets. Tactical Automated Security System (TASS) equipment is required to provide robust force protection capabilities worldwide. TASS kit procurement addresses squad, boundary and headquarters starter kit configurations, each containing varying numbers of active, passive and telescope infrared and breakwire sensors as well as communications equipment, radios, assessment devices, training and associated support equipment. FY07 funding procures and installs TASS equipment.

b. ANTITERRORISM: The antiterrorism program is designed to protect and defend service members, civilian employees, family members, facilities and other Air Force resources in all locations and situations. Antiterrorism funds procure TASS intrusion detection systems to protect resources that have been evaluated as potentially soft targets for terrorist attacks. FY07 funding procures and installs equipment in support of these antiterrorism efforts.

c. FLIGHT LINE SECURITY: Flight line security equipment reduces risk to Air Force personnel, weapon systems and facilities deployed on base flight lines. DoD downsizing, reductions in forward basing and aircraft technology advances elevated Air Force weapon systems into increasingly valuable national power projection capabilities. However, the security afforded most Air Force aircraft and associated personnel and facilities in terms of equipment or manpower has not kept pace with the changing world environment and state-of-the-art technology. Current Integrated Base Defense Security System contracts enable the Air Force to meet flight line security requirements in accordance with the Aerospace Expeditionary Force concept. FY07 funding continues procurement of equipment including a variety of sensors, unmanned air and/or ground vehicles, assessment devices and communication equipment to meet a broad range of intrusion detection needs (perimeter, tactical and flight line). In addition, FY07 funds procure and install TASS alarms, sensors, annunciators (electrically controlled signal board or indicator) and Closed Circuit Television (CCTV) in support of the fight against terrorism.

2. STRATEGIC SECURITY SYSTEMS: Strategic Security Systems acquire, test and install exterior and interior intrusion detection, assessment and alarm reporting systems for Air Force, Air National Guard and Air Force Reserve installations. Installations and upgrades include engineering, interior/exterior intrusion detection systems, annunciators, access control systems with accompanying communications upgrades, Video Storage Systems, allied support, initial training, training equipment, interim contractor support and ancillary equipment items. Integrated Base Defense upgrade technologies include, but are not limited to, ground surveillance radar systems, explosive detection systems, fence/ground sensor technologies, unmanned ground/aerial day/night surveillance and detection systems and remotely operated weapon systems. Weapon Storage Areas (WSA) are located at Nellis AFB, NV, Malmstrom AFB, MT, Barksdale AFB, LA, F.E. Warren AFB, WY, Kirtland Underground Munitions Maintenance and Storage Complex, Kirtland AFB, NM, Minot AFB,

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE PHYSICAL SECURITY SYSTEM

Description (continued):

ND, and Whiteman AFB, MO.

a. AIR LAUNCH CRUISE MISSILE (ALCM) SECURITY SYSTEMS: These funds procure intrusion detection sensors, alarm annunciators, CCTV cameras and related security system equipment needed to upgrade and/or replace unsupportable, aging and obsolete ALCM security command control systems/equipment. FY07 continues funding the installation and integration of the perimeter and exterior/interior security system at Weapon Storage Areas (WSAs). FY07 funds provide security upgrade planning at various other WSAs and priority AF locations.

b. FIXED-SITE SECURITY: Fixed-Site Security projects support long-term physical security requirements of key AF assets at permanent AF installations worldwide which require permanently installed intrusion detection systems and access control systems. Detection and access control systems integrate alarms, sensors, entry control functions and annunciators into consolidated packages in support of priority resource protection. FY07 funds provide for enhanced security equipment for the phased security systems at WSAs. Because of the complexity, size, weather inhibitors and infrastructure timelines, these upgrades are completed in phases. Phases include exterior security upgrades, interior upgrades and annunciators, and technology improvements over two or more years. FY07 funds provide for technology upgrades to existing entry control systems at several locations. Technology improvements include extended range detection and assessment, automated entry control, large vehicle screening, integrated command, control and display, man-portable surveillance and target radar systems and delay/denial technologies. New technologies continue to improve force protection capabilities while at the same time reducing security forces manpower gaps. FY07 and subsequent year funding provide planning for fixed site security installations for other AF bases.

c. MINUTEMAN SQUADRON SECURITY: FY07 funds procure intrusion detection sensors, alarm annunciators and CCTV cameras required to maintain and replace critical Minuteman warhead storage security command and control subsystems that can no longer be supported.

3. OTHER SECURITY SYSTEMS: Funds provide for design, acquisition, integration, installation and testing of interior/exterior physical security systems for Air Force major commands worldwide. Funds are also utilized for the planning of logistical support.

a. VISUAL DETECTION AND ASSESSMENT SYSTEM (VDAS): The VDAS (formerly the Flight line Security Enhancement Program) provides a 24-hour surveillance, assessment and intrusion detection capability to enhance protection of United States Air Forces Europe (USAFE) flight line areas. This program is being implemented at operating bases throughout the European Theater. Phase 1 installs CCTV and thermal imagers on elevated pan-tilt-

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE PHYSICAL SECURITY SYSTEM

Description (continued):

zoom mounts and provides a standalone capability of flight line surveillance and assessment. Phase 2 integrates one or more sensor systems, alarm annunciation equipment and delay systems with Phase 1 equipment to provide an intrusion detection capability to help reduce the flight line risk. Funds are also being utilized for CCTV and thermal imager system modification/upgrade efforts.

b. JOINT SERVICE INTERIOR INTRUSION DETECTION SYSTEMS (JSIIDS): JSIIDS is used for protection of base resources outside of the Continental United States. The JSIIDS program procures and installs a certified AF annunciator system to replace the aging JSIIDS annunciator, which has been in operation at European bases for over 20 years. FY07 funds procure and install JSIIDS at the remaining locations (United Kingdom: Royal Air Force (RAF) Fairford, RAF Molesworth/Alconbury, RAF Mildenhall, RAF Lakenheath; Turkey: Incirlik AB; and Germany: Ramstein AB, Vogelweh and Sembach).

In FY05 Air Force Physical Security Program received $3.721M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

In FY06 Air Force Physical Security Program received $3M in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

In FY06 Air Force Physical Security Program received a $2M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE PHYSICAL SECURITY SYSTEM

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TACTICAL SECURITY SYSTEMS					{$15,551}		{$8,502}		{$6,934}
AIR BASE GROUND DEFENSE	A				$12,811		$3,288		$3,397
ANTI-TERRORISM	A				$928		$2,985		$1,319
FLIGHTLINE SECURITY	A				$1,812		$2,229		$2,218
STRATEGIC SECURITY SYSTEMS					{$79,368}		{$29,164}		{$31,803}
AIR LAUNCH CRUISE MISSILE	A				$1,343		$1,383		$1,423
FIXED-SITE SECURITY	A				$77,477		$27,188		$29,808
MINUTEMAN SQUADRON SECURITY	A				$548		$593		$572
OTHER SECURITY SYSTEMS					{$2,069}		{$2,287}		{$2,645}
VISUAL DETECTION AND ASSESSMENT SYSTEM	A				$1,765		$1,990		$2,301
JOINT SERVICE INTERIOR INTRUSION DETECTION SYS	A				$304		$297		$344
TOTALS:					$96,988		$39,953		$41,382

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
TACTICAL SECURITY SYSTEMS									
AIR BASE GROUND DEFENSE									
FY2005(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-07	Mar-07	Yes	
ANTI-TERRORISM									
FY2005(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-07	Mar-07	Yes	
FLIGHTLINE SECURITY									
FY2005(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-07	Mar-07	Yes	
STRATEGIC SECURITY SYSTEMS									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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 LAUNCH CRUISE MISSILE									
FY2005(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Jan-07	Mar-07	Yes	
FIXED-SITE SECURITY									
FY2005(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Jan-07	Mar-07	Yes	
MINUTEMAN SQUADRON SECURITY									
FY2005(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-05	Mar-05		
FY2006(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-6)			AFMC/ESC	DO/CPAF	MULTIPLE	Jan-07	Mar-07	Yes	
OTHER SECURITY SYSTEMS(1-2)									
VISUAL DETECTION AND ASSESSMENT SYSTEM									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2005(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Feb-05	Apr-05		
FY2006(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Jan-07	Mar-07	Yes	
JOINT SERVICE INTERIOR INTRUSION DETECTION SYS									
FY2005(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Feb-05	Mar-05		
FY2006(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Feb-06	Mar-06	Yes	
FY2007(1-2,7)			HQ USAFE	OTH/OTH	MULTIPLE	Jan-07	Mar-07	Yes	

Remarks:

(1) Unit costs vary due to various types and quantities of physical security equipment procured for each site.
(2) Contract award date listed is the first contract award date.
(3) Locations of PCO varies from AFMC/ESC; AFMC/46TW; GSA, Ft Worth TX; Department of Energy/Sandia National Laboratories, Albuquerque NM; USAFE Europe; and AFSPC/SMC.
(4) Multiple contract methods and types to include: Delivery Order/FFP, CPAF, etc contracts. 25 Aug 03 & 2 Sep 03 AFMC/ESC awarded four (4) five-year delivery contracts to ABACUS Technology Corp., MD; ECSI International, Inc., NJ; Northrop Grumman Space & Missle Systems Corp., CA; and L-3 Communications Government Services, Inc., VA.
(5) GSA/Labor Hour/Delivery Order to Titan System Corporation, Billerica, MA; Business Technologies and Solutions (BTAS), Beaver Creek, OH; ACS Defense, Inc., Burlington, MA; and MCR, Billerica, MA.
(6) Other typical contractors include BAE, Eglin AFB, FL; Diebold, Northridge, CA; Department of Energy/Sandia National Laboratories, Albuquerque, NM. Award/delivery dates represent the date of first award/delivery.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
(7) Task Order/Labor Hour contracts to Kylmar, LTD, Andover, UK. Time & Material contracts to Department of Energy/Sandia National Laboratories, Albuquerque, NM & 46TW. Delivery order contract awarded to Vindicator Technologies, Austin, TX.									

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMBAT TRAINING RANGES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$31,764	$57,908	$35,382	$43,294	$44,229	$45,313	$45,953

Description:

This program procures electronic telecommunication and instrumentation equipment and systems for training ranges worldwide. These systems provide real-time monitoring and control of aircrew air-to-air, air-to-ground, ground-to-air, and electronic warfare training along with the ability to record and play back events for aircrew debriefing and analysis. This program also procures weapons scoring systems and advanced threat simulator systems to satisfy Electronic Warfare (EW) training capability requirements. This P-1 line also procures aircraft, EW and weapons pods, and ground interfaces. This program ensures software interoperability among service ranges, the encryption of range/aircraft data links, and associated communication devices.

1. AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES: FY07 funding will acquire the P5 Combat Training System (P5CTS) that provides both "rangeless" and tethered capabilities. "Rangeless" training capability provides the instrumentation to conduct air combat training in any available airspace worldwide and eliminates the need to fly over highly instrumented ground ranges. P5CTS will also include the integration of Air Warrior capabilities at the Nellis complex. FY07 procures the production and fielding of the P5CTS.

2. ACTS RANGE IMPROVEMENTS: Joint Advanced Weapon Scoring System (JAWSS): The JAWSS program consists of Navy-developed scoring systems, which upgrade the weapon (bombing and gunnery), and laser spot scoring on ranges. The upgrades provide multiple new capabilities, to include scoring of day or night operations, production of a data stream with immediate displays, and results transmission to the pilot providing immediate feedback previously unavailable to aircrew. Other provisions include the capability to monitor and control an extended, realistic target environment for simulated ordnance delivery and aircrew training for airborne laser designators. FY07 procures and fields these systems.

3. ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES:

a. JOINT THREAT EMITTER (JTE): This Air Force program provides state-of-the-art surface-to-air missile (SAM) threat simulation incorporating commercial technology into a modular architecture to maximize diverse capabilities and configurations for joint aircrew training. A transportable single

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMBAT TRAINING RANGES

Description (continued):

reprogrammable unit provides multiple (up to 3) threat presentations, realistic aircraft tracking simulation, and video feedback debrief functions. JTE is designed to reduce range O&M requirements up to 80% of legacy systems. FY07 funding procures and fields these high-fidelity training aids for the Mt. Home Range Complex, ID, Nellis Test and Training Range (NTTR), NV, and Poinsett SC, training range.

b. MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P: FY07 modernizes the Miniature Multiple Unmanned Threat Emitter System.

c. TURBO TRAINS: FY07 funding procures Turbo Trains upgrades to provide effective countermeasure analysis feedback for the warfighters. This feedback is essential to the effectiveness of in-flight Electronic Counter Measures (ECM) performance for combat aircraft.

d. UMTE MODERNIZATION: No FY07 funding requested.

e. JOINT THREAT EMITTER AIR NATIONAL GUARD ALPENA: No FY07 funding requested.

f. JOINT THREAT EMITTER POINSETT: FY07 funding request included in 3.a. above.

g. NELLIS POD UPGRADE GROUND SYSTEMS: No FY07 funding requested.

h. JOINT THREAT EMITTER TOWNSEND RANGE COMPLEX: No FY07 funding requested.

i. COPE THUNDER LINK 16 TERMINAL: No FY07 funding requested.

4. JOINT NATIONAL TRAINING CAPABILITY: The Air Force is procuring opposing forces simulator systems for the Joint National Training Capability (JNTC) to support joint and multiservice requirements to enhance training realism. End items include:

a. BATTLEFIELD VOICE SIMULATION SYSTEM (BVSS): No FY07 funding requested.

b. SIGNALS INTELLIGENCE/DIRECTION FINDING/ELECTRONIC INTELLIGENCE/COMMUNICATIONS INTELLIGENCE COLLECTION VANS:

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMBAT TRAINING RANGES

Description (continued):

This program addresses the Joint National Training Capability (JNTC) pillar to establish an adaptive and credible opposing force (OPFOR) by providing a multi-dimensional adversary and diverse target/threat networks, and presenting asymmetric challenges to support signals intelligence training. An Army-led program, it provides Red Team collection units with the capability to monitor blue force (BLUFOR) electronic signatures, access their vulnerabilities, provide the OPFOR commander real time intelligence, and establish the environment for an adaptive OPFOR. These activities ensure that BLUFOR develops sound techniques, tactics, and procedures (TTPs) to effectively employ and operate EW systems.

c. MULTI-SPECTRAL THREAT EMITTER SYSTEM (MTES): This Navy-initiated effort is capable of stimulating multiple Intelligence, Surveillance, Reconnaissance (ISR) and targeting sensors in the joint environment. The Multi-Spectral Threat System provides instrumented targets for realistic presentations in the RF, visual, IR/thermal, and RCS signature spectrums. Multiple mobile systems incorporate exploitable C2 architectures, aircrew feedback, debrief functions, and day/night training. Systems planned for acquisition include: (a) SA-6 Gainful TTR, (b) SA-8 Gecko TELAR, (c) SA-9 Gaskin, (d) SA-10 Grumble/HQ-10/15, (e) SA-15 Gauntlet TLAR/HQ-17, (f) ROLAND 2, (g) ZSU-23 Shilka, and (h) 2S6 Tunguska.

d. OPFOR COMMAND, CONTROL, AND COMMUNICATIONS (C3) SYSTEMS INCLUDE:

(1) C3I Battle Management System (BMS): FY07 funds the acquisition and programming (threat evaluation) of Battle Management Terminals (BMT) and Personal Tactical Data Receivers (PTDR). These devices provide connectivity to/from the OPFOR commander and within the OPFOR Integrated Air Defense System (IADS) and maneuver assets. This U.S. Army effort develops and evaluates BMTs configured as PDA units doubling the current capability and allowing any firing unit linkage to the IADS for target handoff and pairing. In addition, the PDTRs provide the OPFOR commander with a Red Force Tracker capability that allows for adaptive and real time control of assets.

(2) Command and Control (C2) Network: FY07 funds provide equipment to establish an integrated OPFOR utilizing the C2 Corona system, an Army-led program, for controlling threat assets/emitters across remote training venues.

(3) Commercial Communications Network: No FY07 funding requested.

e. JOINT THREAT EMITTER (JTE): Previously described above, the JNTC FY07 procurement plan for JTE is for a single Block 0 (SA-2, SA-3, SA-6, SA-13, and AAA) Threat Emitter Unit (TEU). Spiral development incorporates advanced capabilities via COTS and RDT&E. Development funding is

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
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Description (continued):

accomplished in PE 060375D.

f. CONCEALMENT, COUNTERMEASURE, AND DECOY (CCD) SYSTEMS: This Office of Secretary of Defense (OSD) Center for Countermeasures program implemented to train blue forces to understand aircraft sensor capabilities and limitations, enhance target detection and recognition procedures, reduce unintended weapon expenditures, and train low altitude rapid threat detection and reaction procedures. Systems planned for acquisition include: (a) Full Scale Decoys (Foreign & US), (b) Laser False Target Generator (FTG), (c) Laser Jammers/Dazzlers, (d) Broad-Band Jammers, (e) Integrated MANPADS Simulators, and (f) Obscurants (BAR-C/Smokey SAM, smoke pots, camouflage netting).

g. MAN-PORTABLE AIR DEFENSE (MANPAD) SURFACE-TO-AIR MISSILE (SAM) SIMULATOR SYSTEM: FY07 funds procure equipment from Army-led programs that provide high fidelity threat simulation of man-portable SAM systems. Systems may incorporate actual launch tubes, grip-stocks, and instrumented seekers in order to "stimulate" aircraft onboard missile warning systems. Visual cues are provided by integration of BAR-C/Smokey SAM systems with an instrumentation package to capture engagement parameters and video for after action review. Applications include pilot training, tactics development, countermeasures testing, and proficiency training.

h. URBAN TARGET COMPLEX: No FY07 funding requested.

i. LASER SPOT SCORING SYSTEM: No FY07 funding requested.

j. LASER EVALUATION SCORING SYSTEM: No FY07 funding requested.

k. CONNECTIVITY FOR JOINT COMMON GROUND STATION (CGS) AND JOINT-SURVEILLANCE and TARGET ATTACK RADAR SYSTEM (J-STARS): No FY07 funding requested.

l. TRAINING IMPROVISED EXPLOSIVE DEVICE (TIED): This Army program procures a safe/low cost Improvised Explosive DeviCe/Vehicle-Borne Improvised Explosive Device (IED/VBIED) simulator offering realistic audible and visual signatures (flash, bang, smoke) to stimulate blue forces to employ proper countermeasures or take appropriate actions. The TIED Increment 2 device is a non-pyrotechnic device that is safely employed in the proximity of dismounted soldiers and activated/detonated via wire or wireless radio frequency; therefore, it can be defeated with Electronic Counter Measures

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Description (continued):

equipment. FY07 funds JFCOM TIED Increment 2 device acquisition.

m. MARITIME THREAT SYSTEMS: FY07 funds provide equipment needed to challenge Navy littoral operations in support of Joint and combined arms training and exercises. Maritime Threat systems include coastal cruise missile threat, reactive threats and small boat and diesel submarine attacks. It also supports Naval airborne, surface, and shallow-water mine countermeasures systems.

n. GPS DENIED ENVIRONMENT: The effective footprints on most GPS denial systems exceed the test range boundaries and/or airspace areas under control. This makes it very difficult for OPFOR to employ GPS denial systems and for BLUFOR to test their effectiveness, capabilities and vulnerabilities in a GPS jamming environment. FY07 funds equipment such as the Micro-GPS jammer, a system with an effective scalable range from 100 meters to 100 miles, is self-contained with manual/remote control operating modes and is capable of jamming supporting generation of micro EA test environments for cell phones, navigation channels, data links, IFF, and any other comparable system (e.g. terrorist, urban).

5. RED INTEGRATED AIR DEFENSE: No FY07 funding requested.

In FY06, Combat Training Ranges received an $8.0M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) for UMTE modernization.

In FY06, Combat Training Ranges received an $1.0M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) for Joint Threat Emitter-Townsend Range Complex.

In FY06, Combat Training Ranges received an $1.6M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) for Cope Thunder Link 16 Terminal.

In FY06, Combat Training Ranges received an $12.0M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) for Red Integrated Air Defense.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
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PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMBAT TRAINING RANGES									
1. AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES					{$5,002}		{$2,573}		{$2,473}
P5 COMBAT TRAINING SYSTEM AND LEGACY SYSTEM UPGRADES	A				$5,002		$2,573		$2,473
2. AIR COMBAT TRAINING SYSTEMS (ACTS) RANGE IMPROVEMENTS					{$3,393}		{$3,418}		{$3,466}
JOINT ADVANCED WEAPON SCORING SYSTEM (JAWSS)	A				$3,393		$3,418		$3,466
3. ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES					{$23,369}		{$19,286}		{$7,626}
a. JOINT THREAT EMITTER	A				$7,185		$6,126		$5,030
b. MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P	A				$1,444		$1,745		$1,756
c. TURBO TRAINS	A				$1,240		$815		$840
d. UMTE MODERNIZATION	A				$2,500		$8,000		
e. JOINT THREAT EMITTER AIR NATIONAL GUARD ALPENA	A				$7,500				
f. JOINT THREAT EMITTER POINSETT RANGE	A				$2,500				
g. NELLIS POD UPGRADE GROUND SYSTEMS	A				$1,000				
h. JOINT THREAT EMITTER TOWNSEND RANGE COMPLEX	A						$1,000		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
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PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
i. COPE THUNDER LINK 16 TERMINAL	A						$1,600		
4. JOINT NATIONAL TRAINING CAPABILITY (JNTC)							{$20,631}		{$21,817}
a. BATTLEFIELD VOICE SIMULATION SYSTEM (BVSS)	A						$1,757		
b. SIGNAL INTEL/DIRECTION FINDING/ELECTRONIC INTEL/INFO OPS COLLECTION VANS	A								$4,217
c. MULTI-SPECTRAL THREAT SYSTEM	A						$2,342		$6,400
d. OPFOR COMMAND, CONTROL, AND COMMUNICATIONS (C3) SYSTEMS							{$900}		{$1,250}
d.1. BATTLE MANAGEMENT SYSTEM (BMS)	A						$450		$400
d.2. COMMAND AND CONTROL (C2) NETWORK	A								$850
d.3. COMMERCIAL COMMUNICATIONS NETWORK	A						$450		
e. JOINT THREAT EMITTER (JTE)	A						$11,846		$4,600
f. CONCEALMENT, COUNTERMEASURES, AND DECOY (CCD) SYSTEMS	A						$391		$650
g. MANPAD SURFACE-TO-AIR MISSILE (SAM) SIMULATOR SYSTEM	A								$3,600
h. URBAN TARGET COMPLEX	A						$1,304		
i. LASER SPOT SCORING SYSTEM (LSSS)	A						$800		

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PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
j. LASER EVALUATION SCORING SYSTEM (LESS)	A						$300		
k. CONNECTIVITY OF JOINT COMMON GROUND STATION AND J-STARS	A						$300		
l. TRAINING IMPROVISED EXPLOSIVE DEVICE (TIED)	A						$391		$250
m. MARITIME THREAT SYSTEMS	A								$600
n. GPS DENIED ENVIRONMENT	A						$300		$250
5. RED INTEGRATED AIR DEFENSE									
RED INTEGRATED AIR DEFENSE	A						$12,000		
TOTALS:					$31,764		$57,908		$35,382

Remarks:

Cost information is in thousands of dollars.

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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
COMBAT TRAINING RANGES									
1. AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES									
P5 COMBAT TRAINING SYSTEM AND LEGACY SYSTEM UPGRADES									
FY2005(5)			AFMC/AAC	OPT/FFP	CUBIC DEF SYS/ SAN DIEGO, CA	Apr-05	Apr-06		
FY2006(5)			AFMC/AAC	OPT/FFP	CUBIC DEF SYS/ SAN DIEGO, CA	Mar-06	Mar-07	Yes	
FY2007(5)			AFMC/AAC	OPT/FFP	CUBIC DEF SYS/ SAN DIEGO, CA	Mar-07	Mar-08	No	Apr-06
2. AIR COMBAT TRAINING SYSTEMS (ACTS) RANGE IMPROVEMENTS									
JOINT ADVANCED WEAPON SCORING SYSTEM (JAWSS)									
FY2005(1)			HQ ACC	MIPR/OTH	NAVY/ NAVY/ MULTIPLE (1)	Mar-05	Nov-05		
FY2006(1)			HQ ACC	MIPR/OTH	NAVY/ NAVY/ MULTIPLE (1)	Mar-06	Nov-06	Yes	
FY2007(1)			HQ ACC	MIPR/OTH	NAVY/ NAVY/ MULTIPLE (1)	Mar-07	Nov-07	Yes	
3. ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES(3)									
a. JOINT THREAT EMITTER									

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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
FY2005(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	Aug-05	Apr-06		
FY2006(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	May-06	Dec-06	Yes	
FY2007(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	Feb-07	Feb-08	Yes	
b. MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P									
FY2005(6)			AFMC/OO-ALC	DO/FFP	HARRIS CORPORATION/ MELBOURNE, FL	Dec-04	Jan-06		
FY2006(6)			AFMC/OO-ALC	DO/FFP	HARRIS COPORATION/ MELBOURNE, FL	Feb-06	Feb-07	Yes	
FY2007(6)			AFMC/OO-ALC	DO/FFP	HARRIS CORPORATION/ MELBOURNE, FL	Feb-07	Jan-08	Yes	
c. TURBO TRAINS									
FY2005(7)			AFMC/OO-ALC	OPT/FFP	EW SYSTEMS/ COLORADO SPRINGS, CO	Apr-05	Nov-05		
FY2006(7)			AFMC/OO-ALC	OPT/FFP	EW SYSTEMS/ COLORADO SPRINGS, CO	Apr-06	Nov-06	Yes	
FY2007(7)			AFMC/OO-ALC	OPT/FFP	EW SYSTEMS/ COLORADO SPRINGS, CO	Apr-07	Nov-07	Yes	
d. UMTE MODERNIZATION									

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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
FY2005			AFMC/OO-ALC	C/CPFF	SIERRA RESEARCH/ BUFFALO, NY	Apr-05	Apr-06		
FY2006			AFMC/OO-ALC	C/CPFF	UNKNOWN	Mar-06	Apr-07	Yes	
e. JOINT THREAT EMITTER AIR NATIONAL GUARD ALPENA									
FY2005(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	May-06	Dec-06	Yes	
f. JOINT THREAT EMITTER POINSETT RANGE									
FY2005(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	May-06	Jun-07	Yes	
g. NELLIS POD UPGRADE GROUND SYSTEMS									
FY2005			AFMC/AAC	C/FFP	CUBIC DEF SYS/ SAN DIEGO, CA	Mar-05	Aug-06		
h. JOINT THREAT EMITTER TOWNSEND RANGE COMPLEX									
FY2006(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES CORPORATION/ DAYTON, OH	Mar-06	Nov-07	Yes	
i. COPE THUNDER LINK 16 TERMINAL									
FY2006			AFMC/OO-ALC	C/FFP	UNKNOWN	Apr-06	Jun-07	Yes	

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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
4. JOINT NATIONAL TRAINING CAPABILITY (JNTC)									
a. BATTLEFIELD VOICE SIMULATION SYSTEM (BVSS)									
FY2006			AFMC/ESC	MIPR/FP W/OPT	NAVY/ NAVAIR/ ATR/ NAS PATUXENT RIVER, MD	Mar-06	Aug-06	Yes	
b. SIGNAL INTEL/DIRECTION FINDING/ELECTRONIC INTEL/INFO OPS COLLECTION VANS									
FY2007			AFMC/ESC	MIPR/FFP	ARMY/ EWA/ SAN ANTONIO, TX	Dec-06	Sep-07	Yes	
c. MULTI-SPECTRAL THREAT SYSTEM									
FY2006			AFMC/OO-ALC	MIPR/FFP	NAVY/ DRS/ BUFFALO, NY	Feb-06	Jan-07	Yes	
FY2007			AFMC/OO-ALC	MIPR/FFP	NAVY/ DRS/ BUFFALO, NY	Jan-07	Jan-08	Yes	
d. OPFOR COMMAND, CONTROL, AND COMMUNICATIONS (C3) SYSTEMS									
d.1. BATTLE MANAGEMENT SYSTEM (BMS)									
FY2006			AFMC/ESC	MIPR/FFP	ARMY/ UNKNOWN	Mar-06	Sep-06	Yes	
FY2007			AFMC/ESC	MIPR/FFP	ARMY/ UNKNOWN	Dec-06	Jun-07	Yes	
d.2. COMMAND AND CONTROL (C2) NETWORK									

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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
FY2007			AFMC/ESC	MIPR/FFP	ARMY/ GENERAL DYNAMICS/ TEMPE, AZ	Dec-06	Jun-07	Yes	
d.3. COMMERCIAL COMMUNICATIONS NETWORK									
FY2006			AFMC/ESC	MIPR/FFP	ARMY/ SRC/ HUNTSVILLE, AL	Mar-06	Sep-06	Yes	
e. JOINT THREAT EMITTER (JTE)									
FY2006(2)			AFMC/OC-ALC	OPT/FFP	MTC/ DAYTON, OH/ / / NORTHROP-GRUMMAN/ BUFFALO, NY	Apr-06	Jan-07	Yes	
FY2007(2)			AFMC/OO-ALC	OPT/FFP	MTC/ DAYTON, OH/ / / NORTHROP-GRUMMAN/ BUFFALO, NY	Feb-07	Jan-08	Yes	
f. CONCEALMENT, COUNTERMEASURES, AND DECOY (CCD) SYSTEMS									
FY2006(4)			AFMC/OO-ALC	MIPR/FFP	MULTIPLE/ WHITE SANDS, NM	Mar-06	May-06	Yes	
FY2007(4)			AFMC/OO-ALC	MIPR/FFP	MULTIPLE/ WHITE SANDS, NM	Oct-06	Mar-07	Yes	
g. MANPAD SURFACE-TO-AIR MISSILE (SAM) SIMULATOR SYSTEM									
FY2007			AFMC/ESC	C/CPIF	UNKNOWN	Jan-07	Jan-08	Yes	
h. URBAN TARGET COMPLEX									

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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
FY2006			AFMC/OO-ALC	MIPR/FFP	ARMY/ UNKNOWN	Mar-06	Mar-07	Yes	
i. LASER SPOT SCORING SYSTEM (LSSS)									
FY2006			AFMC/OO-ALC	MIPR/FFP	NAVY/ UNKNOWN	Mar-06	Feb-07	Yes	
j. LASER EVALUATION SCORING SYSTEM (LESS)									
FY2006			AFMC/OO-ALC	MIPR/FFP	NAVY/ UNKNOWN	Mar-06	Feb-07	Yes	
k. CONNECTIVITY OF JOINT COMMON GROUND STATION AND J-STARS									
FY2006			AFMC/OO-ALC	MIPR/CPFF	ARMY/ UNKNOWN	Mar-06	Sep-06	Yes	
l. TRAINING IMPROVISED EXPLOSIVE DEVICE (TIED)									
FY2006			AFMC/OO-ALC	MIPR/CPFF	ARMY/ ARMY/ UNITECHSOLUTIONS/ ORLANDO, FL	Mar-06	Jan-07	Yes	
FY2007			AFMC/OO-ALC	MIPR/CPFF	ARMY/ ARMY/ UNITECH SOLUTIONS/ ORLANDO, FL	Jan-07	Jan-08	Yes	
m. MARITIME THREAT SYSTEMS									
FY2007			AFMC/OO-ALC	MIPR/FFP	NAVY/ UNKNOWN	Dec-06	Sep-07	Yes	

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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
n. GPS DENIED ENVIRONMENT									
FY2006			AFMC/ESC	MIPR/FFP	NAVY/ UNKNOWN	Apr-06	Mar-07	Yes	
FY2007			AFMC/ESC	MIPR/FFP	NAVY/ UNKNOWN	Jan-07	Jun-07	Yes	
5. RED INTEGRATED AIR DEFENSE									
RED INTEGRATED AIR DEFENSE									
FY2006			AFMC/OO-ALC	MIPR/FFP	ARMY/ UNKNOWN	Mar-06	May-08	Yes	

Remarks:

Quantity/unit costs vary because of different types/configurations of equipment being procured.

(1) Joint Advanced Weapons Scoring System (JAWSS) procured by Naval Warfare Assessment Station, Corona, CA, and Naval Air Warfare Center, Point Mugu, CA.
(2) Basic JTE contract awarded 19 Aug 02 to Modern Technologies Corporation, Dayton, OH. JTE has four - two year options: basic two years plus four two year options - 10 years total.
(3) Electronic Combat Threats Systems Upgrades includes multiple contract methods and types, to include options to existing contracts, sole source contracts and MIPRs. Representative contractors include Harris Corporation, Melbourne, FL; Sierra Technologies, Inc., Buffalo, NY; and EW Systems, Colorado Springs, CO.

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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

(4) Multiple contractors include: Computer Cabling of GA, Myrna, GA; The Presidio Corporation, Lanham, MD; Devona Bell, Carol Stream, IL; Alcatel USA Marketing, Longview, TX; Vbrick, Wallingford, CT; Wyandotte Net Tel, Wyandotte, OK; Agilent Technologies Incorporated, Palo Alto, CA; and General Dynamics Government Systems Corporation, Needham, MA.
(5) 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.
(6) Basic contract was awarded to Harris Corporation, Melbourne, FL on 28 Jul 1997.
(7) The Turbo-Threat Reaction Analysis Indicator System (Turbo-TRAINS) basic contract (with 10 year option) awarded to E.W. Systems, Colorado Springs, CO, April 2002.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$0	$0	$3,413	$93,740	$87,216	$72,388	$21,471

Description:

National Security Strategy (NSS) requires the US to maintain sufficient nuclear forces to deter any foreign leadership with access to strategic nuclear forces from acting against US vital national interests. A key element of the NSS is strategic deterrence strategy. This strategy, along with Department of Defense and Air Force policies, dictates that survivable communications is integral to US strategic deterrence since it provides measurable assured connectivity. US forces need systems that ensure reliable, secure and responsive communications are maintained between the President, the Secretary of Defense and US nuclear execution forces.

The Minimum Essential Emergency Communications Network (MEECN) systems provide that assured communications connectivity between the President and the strategic nuclear forces in stressed environments.

GROUND ELEMENT MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN) SYSTEM (GEMS): GEMS replaces Air Combat Command (ACC) and Air Mobility Command (AMC) fixed and deployable communications elements for bomber, tanker, reconnaissance, and other alert communications facilities supporting both inter-site and intra-site strategic Command, Control, and Communications (C3) requirements. Nuclear Command and Control Technology Performance Criteria requires that communication facilities with strategic responsibilities receive Emergency Action Messages (EAMs) and function as part of the Nuclear Command System (NCS). GEMS will be comprised of Military Strategic, Tactical and Relay (MILSTAR) satellite Extremely High Frequency/Advanced EHF (EHF/AEHF), Very Low Frequency/Low Frequency (VLF/LF), Ultra High Frequency (UHF), and aircrew alerting components. These components will provide secure, survivable inter-site, intra-site, and mobile communications to bomber, tanker, reconnaissance, and other communications facilities with strategic responsibilities. The EHF communications path is used to support intelligence, operations plan execution, command and control, employment of nuclear forces, and weather and missile warning operations. FY07 funding provides a satellite simulator (SatSim) for testing EHF/AEHF terminals throughout the life of the GEMS program. Research and development funding is in Program Element 0303131F.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK													
SATELLITE SIMULATOR (SATSIM)	A												$3,413
TOTALS:													$3,413

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK

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
MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK									
SATELLITE SIMULATOR (SATSIM)									
FY2007			AFMC/ESC	DO/FFP	LINCOLN LABS/ BEDFORD, MA	Nov-06	Sep-07	Yes	

Remarks:

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$9,473	$4,457	$4,657	$4,894	$5,242	$4,947	$5,022

Description:

U.S. military forces operate in an information age where the need for precise, instantaneous intelligence is increasing and expanding across the entire spectrum of military operations. However, this increasing technical sophistication leads to a dependency on technology that, in turn, may represent potentially crippling vulnerabilities. The Air Force (AF) addresses this vulnerability through Information Operations (IO). IO includes those actions taken to gain, exploit, defend, and attack information and information systems. IO is comprised of two facets: information-in-warfare (IIW) and information warfare (IW). IW consists of actions conducted to attack an adversary's information and information systems while defending one's own.

Information warfare includes the integrated application of Electronic Warfare (EW), Psychological Operations (PSYOP), military deception, physical attack, computer network attack, counterintelligence, counterdeception, computer network defense, counterpropaganda, information assurance, and operations security (OPSEC). The Air Intelligence Agency (AIA), Air Force Information Warfare Center (AFIWC), 67th Information Operations Wing (67 IOW), and Joint Information Operations Center (JIOC), all located in San Antonio, TX, are responsible for IW and Command and Control Warfare (C2W) operations supporting joint, air component, and/or national objectives. Procurement funds in this program provide the equipment vital to accomplishing and supporting IW and C2W missions.

1. AF INFORMATION WARFARE CENTER (AFIWC) SUPPORT: AFIWC is the Center of Excellence creating the information warfare advantage for combatant forces through exploring, developing, applying, and transitioning counter-information technology, strategy, tactics, and data to control the information battlespace. Funds procure equipment and tools for the following:

a. AUTOMATED DATA PROCESSING (ADP) UPGRADES: No FY07 funding requested.

b. COMMAND AND CONTROL WARFARE (C2W) OPERATIONS SUPPORT: No FY07 funding requested.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

Description (continued):

c. INFORMATION WARFARE: No FY07 funding requested.

d. OFFENSIVE IW: Continues the procurement of computer, computer related memory storage, local and long haul communications, infrastructure, and unique intelligence and analysis equipment required to support IW analysis which delivers timely AF IW capabilities. These procurements are vital for the exploration, development, and fielding of IW reach back capabilities. Funding facilitates migration of AF combat capabilities to Numbered AF and IO personnel for the integration and execution of tools necessary to gain, exploit, defend, and attack information and information systems.

e. ELECTRONIC WARFARE INTEGRATED REPROGRAMMING (EWIR): FY07 funds procure computer equipment and analytical tools to conduct detailed analyses in support of current operations and the acquisition community (to include test and evaluation). These analyses provide the means of understanding the performance of their systems in hostile threat environments, directly impacting the survivability of combat-coded USAF aircraft and aircrews. The analyses are routinely used to support operational mission planning; tactics, techniques, and procedures (TTP) development; and acquisition decisions.

f. COMPUTER NETWORK DEFENSE (CND) SUPPORT: No FY07 funding requested.

2. 67th INFORMATION OPERATIONS WING SUPPORT: The 67 IOW, Lackland AFB, TX, directs AIA's global mission. The wing directs the planning of multi-source intelligence, electronic combat services, information warfare, and communications security. It assists Air Force components in the development of airpower concepts, conducting exercises, and employment of AIA forces in contingencies, low-intensity conflict, and special operations.

a. COMPUTER NETWORK DEFENSE: No FY07 funding requested.

3. HQ AIR INTELLIGENCE AGENCY (HQ AIA) SUPPORT: The Telecommunications Monitoring and Assessment Program (TMAP) Program Management Office (PMO), HQ AIA/DOOI, maintains technological parity with Air Force telecommunications architecture for TMAP mission system equipment used to monitor digital voice, data, and facsimile.

a. TMAP: FY07 funds will be used to ensure mission analysis software maintains the capability to evaluate recorded data within the timelines required by Combatant Commanders. Specifically, these funds will be used to complete the analog-to-digital switch conversions, upgrade existing

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

Description (continued):

monitoring equipment and analysis capability at Electronic System Security Assessment Central (ESSAC) locations to handle increased taskings, and acquire full remoting capability to reduce dependence on deployed TMAP/ESSA monitoring teams.

4. JOINT INFORMATION OPERATIONS CENTER (JIOC): The JIOC provides joint force commanders (combatant commanders, subordinate unified commanders and joint task force commanders), service component commanders and functional component commanders integrated Joint IO support. The JIOC supports the integration of constituent elements of IO throughout planning and execution phases of operations and provides Joint IO planning, including options for Defensive IO and predictive analysis to US forces involved in contingency operations and worldwide exercises. The JIOC also provides training of battlefield commanders through the use of IO analysis tools. The JIOC analyzes and correlates all-source data on both friendly and threat forces. This data is used as input into sophisticated IO computer models, simulations, and planning analysis tools. These high-fidelity simulations provide field commanders with targeting options and composite analytic pictures. This analysis results in complete assessment of IO options and effectiveness predictions. Funding provides continuing upgrades to multi-processor systems to improve performance and achieve interoperability with virtual simulations. Additional processors and storage capacity must be added to analysis networks and systems to improve performance of IO computer models. Workstations, which deploy with combatant commander support teams and provide on-scene analytical support as well as reach-back capability, are replaced approximately every three years. Funding also provides for deployable field support systems, equipment, and training for detecting, identifying, locating, targeting, exploiting, and countering signals in support of combatant commanders, national agencies, exercises, and advanced concept technology demonstration (ACTD) vulnerability assessments.

a. ELECTRONIC COMBAT (EC) ANALYST NETWORK: FY07 funding provides continuing upgrades to multi-processor systems to improve performance and achieve interoperability with virtual simulations. Additional processors and storage capacity must be added to JIOC analysis networks and systems to improve performance of IO computer models.

b. COMBAT ANALYSIS SYSTEM: FY07 funding provides field commander support systems, including automated support systems for IO training.

c. FIELD COMMANDERS SUPPORT: FY07 funding provides for workstations, which deploy with combatant commander support teams and provide on-scene analytical support as well as reach-back capability (replaced every three years).

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

Description (continued):

d. COMPUTER TRAINING SIMULATION: FY07 funding provides for computer hardware, which hosts IO planning analysis tools used for training at centers worldwide.

e. IO RED TEAM SUPPORT: FY07 funding provides for deployable field support systems, equipment, and training for detecting, identifying, locating, targeting, exploiting, and signals in support of combatant commanders, national agencies, exercises, and ACTD vulnerability assessments.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AFIWC SUPPORT					{$6,259,000}		{$1,854,000}		{$1,874,000}
ADP UPGRADES	A				$305,000				
C2W OPS SUPPORT	A				$240,000				
INFORMATION WARFARE	A				$1,832,000				
OFFENSIVE IW	A				$1,020,000		$413,000		$359,000
EWIR	A				$982,000		$1,441,000		$1,515,000
COMPUTER NETWORK DEFENSE SUPPORT	A				$1,880,000				
67TH INFO OPS WING SUPPORT					{$312,000}				
COMPUTER NETWORK DEFENSE	A				$312,000				
HQ AIA/DOOI									
TMAP	A				$1,150,000		$1,324,000		$1,438,000
JIOC					{$1,752,000}		{$1,279,000}		{$1,345,000}
EC ANALYST NETWORK	A				$336,000		$340,000		$347,000
COMBAT ANALYSIS SYSTEM	A				$1,009,000		$544,000		$577,000
FIELD COMMANDERS SUPPORT	A				$106,000		$130,000		$110,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** C3 COUNTERMEASURES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMPUTER TNG SIM	A				$177,000		$139,000		$183,000
IO RED TEAM SUPPORT	A				$124,000		$126,000		$128,000
TOTALS:					$9,473,000		$4,457,000		$4,657,000

Remarks:

Cost information is in actual dollars.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$18,401	$12,566	$31,994	$18,363	$16,238	$16,424	$16,665

Description:

Global Combat Support System (GCSS) is a family of information technology systems that provide integration and interoperability between combat support functions and command and control to support the operational needs of the warfighter. It directly supports Command, Control, Communication, Computers, and Information (C4I) for the Warfighter and Chairman Joint Chiefs of Staff (CJCS) Joint Vision 2020. The GCSS-Air Force Family of Systems (FOS) includes standard base-level combat support applications which provide warfighters with a "one update-one time" processing environment. The following systems provide the key support foundation for the Air Force's global engagement strategy and capabilities through GCSS-AF. Beginning in FY07, the GCSS-AF FOS P-1 Line will contain PE 0303141F for the GCSS-AF program; this is an administrative transfer of $11.761M from P-1 Line 57, Base Information Infrastructure.

1. CARGO MOVEMENT OPERATIONS SYSTEM (CMOS): CMOS supports base-level and theater distribution center movement traffic management. More than 220 Air Force, Marine Corps and selected Navy, Army, NSA, and DCMA activities employ CMOS using deployable, standalone, and regionalized configurations (four DISA regional centers). CMOS continues to provide effective traffic management support to the warfighter for both peacetime and contingency operations. CMOS prepares and manages all movement documentation, electronically interfaces with shippers, commercial carriers, and receiving activities, and provides bar coding and scanning for cargo processing. It provides in-transit visibility to DOD and commercial carriers, aids planning and managing force deployment, and supports the deployed AEF warfighter through deployable and standard CMOS architectures. FY07 funding procures end-of-service-life replacement hardware to support contingency operations in a sustainment posture. Funding mitigates increased capability demands on older hardware and supports deployable CMOS hardware and Automatic Identification Technology (AIT).

2. WING AUTOMATIC DATA PROCESSING SUPPORT (WAS): No FY07 funding requested.

3. FUELS AUTOMATED MANAGEMENT SYSTEM (FAMS): FAMS provides an AIT hardware data collection system on petroleum resources using Radio Frequency Identification (RFID) and state-of-the-art microcircuit technology to automate the management and control of vital petroleum support

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS

Description (continued):

operations in both peace and war. FAMS provides numerous mission-related benefits including: Total Asset Visibility (TAV) for petroleum resources, a critical warfighting commodity; On-Line Transaction Processing capability to reduce accounting errors in a $4.0 billion annual business; mitigating personnel and property risks through on-line inventory monitoring, eliminating potential for fuel spills and inventory losses; reducing AF fuels management manpower; and providing ad-hoc query capability assessment to support war planning. FAMS eliminates much of the paperwork and redundant manual input required for current fuels management processes, providing TAV while improving cash flow, credit management, and permitting just-in-time inventory visibility. The system consists of AIT hardware components that collect fuel transaction and inventory data at base level for service stations, storage tanks, and aircraft fueling systems point of sale devices using RFID. In addition, FAMS provides vital information to manage resources at the unit level and processes all electronic business transactions to the Defense Logistics Agency Defense Energy Support Center (which manages national stock numbers for petroleum products) Business Systems Modernization architecture for financial management. FY07 funding procures AIT hardware and installation of Automated Fuels Storage Tank Product Recovery and Water Removal Systems, Refueling Unit Overfill and Spill Prevention devices, and Resource Control Center Supervisory Control and Security Data Integration.

4. FINANCIAL INFORMATION RESOURCE SYSTEM (FIRST): FIRST is the foundation for the Air Force's Planning, Programming, Budgeting, and Execution System. This system, being developed using the spiral development approach and integrated into the GCSS-AF architecture, currently includes: Enterprise Data View and Budget Formulation Increments. FY07 funding procures hardware (Test and Deployment Range TDR) and licenses for deployment of the FIRST Budget Formula increment. The FIRST deployment is to provide an integrated, modern, and seamless financial management system that enables authorized users from Headquarters US Air Force to plan, program, and execute budgets down to base level. The Enterprise Data View (EDV) and Commanders Integration Resource System (CRIS) migration to the GCSS-AF Integrated Framework (IF), to develop a consolidated data warehousing solution, requires additional Business Intelligence (BI) tools to support data query and extraction capability for the 13,500 registered users of EDV-CRIS. The development funding for FIRST is in PE 0901538F. FIRST is in post Milestone B and conducting development of Budget Formulation capabilities. The Enterprise Data View increment is in sustainment. Each incremental development meets the requirements for Chief Financial Officer Act compliance and DOD's Business Enterprise Architectures.

5. INTEGRATED MAINTENANCE DATA SYSTEM (IMDS): No FY07 funding requested.

6. STANDARD PROCUREMENT SYSTEM (SPS)/PAPERLESS CONTRACTING: No FY07 funding requested.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS

Description (continued):

7. EXPEDITIONARY COMBAT SUPPORT SYSTEM (ECSS): ECSS is a Commercial Off The Shelf (COTS) system that will enable the Expeditionary Logistics 21th Century (eLog21) vision. ECSS will leverage an Enterprise Resource Planning (ERP) COTS solution as its primary system. ECSS is a component of the larger eLog21 systems architecture and consists of modules that will integrate financials, order management, purchasing, inventory management, distribution, and other business functions of the Air Force onto one platform. ECSS will enable coordination of the systems and process changes necessary to streamline and improve the Air Force logistics supply chain. ECSS will replace over 500 legacy Air Force information technology systems with a COTS information technology suite. This suite consists of over ten integrated modules with software/hardware and embedded/updatable best business practices, as well as capabilities in product support and engineering; supply chain management; expeditionary logistics command and control; and maintenance, repair, and overhaul. In FY07 funds procure development hardware, application software and associated licenses, and peripherals to support deployment. Beginning in FY07, this P-1 line also funds items previously purchased by working capital funds. Development funding for ECSS is in PE 0708610F.

8. GLOBAL COMBAT SUPPORT SYSTEM-AIR FORCE (GCSS-AF): In FY07 procurement funding for the GCSS-AF program in PE 0303141F moves from P-1 Line 57, Base Information Infrastructure, to P-1 Line 54, GCSS-AF FOS. This program element encompasses GCSS-AF's Integration Framework and its presentation layer for operational users. As the customer interfaces on GCSS-AF, the presentation layer provides the worldwide standard security and single sign-on for accessing a variety of functional systems. The Framework uses additional security features of Public Key Infrastructure (PKI) and AF Directory Services, negating duplication of security features in each the functional systems being modernized within the GCSS-AF FOS. FY07 funding procures the AF-wide Integration Framework (architecture) and funds sustainment of the fielded portal through hardware refresh and Portal, Metrics, Search, and Middleware software for the SIPRNET, two NIPRNET, and production sites at Defense Information Systems Agency (DISA) continental United States (CONUS) Defense Enterprise Computing Centers. This effort procures application, security, web, and proxy servers, software and associated licenses, and engineering support.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARGO MOVEMENT OPERATIONS SYSTEM (CMOS)	A				$545		$543		$560
WING AUTOMATIC DATA PROCESSING (ADP) SUPPORT (WAS)	A				$2,610				
FUELS AUTOMATED MANAGEMENT SYSTEM (FAMS)	A				$9,097		$8,783		$9,279
FINANCIAL INFORMATION RESOURCE SYSTEM (FIRST)	A				$708		$739		$786
INTEGRATED MAINTENANCE DATA SYSTEM (IMDS)	A				$2,567				
STANDARD PROCUREMENT SYSTEM (SPS)	A				$2,874				
EXPEDITIONARY COMBAT SUPPORT SYSTEM (ECSS)	A						$2,501		$9,608
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE	A								$11,761
TOTALS:					$18,401		$12,566		$31,994

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
CARGO MOVEMENT OPERATIONS SYSTEM (CMOS)									
FY2005(1)			AFMC/SSG	REQN/FP	MULTIPLE	Feb-05	Mar-05		
FY2006(1)			AFMC/SSG	REQN/FP	MULTIPLE	Mar-06	Aug-06	Yes	
FY2007(1)			AFMC/SSG	REQN/FP	MULTIPLE	Mar-07	Aug-07	Yes	
WING AUTOMATIC DATA PROCESSING (ADP) SUPPORT (WAS)									
FY2005(2)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Dec-04	Jan-05		
FUELS AUTOMATED MANAGEMENT SYSTEM (FAMS)									
FY2005(3)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Dec-04	Feb-05		
FY2006(3)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Mar-06	Apr-06	Yes	
FY2007(3)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Dec-06	Feb-07	No	Feb-06
FINANCIAL INFORMATION RESOURCE SYSTEM (FIRST)									
FY2005(4)			11WING	OPT/CPAF	MULTIPLE	Jun-05	Mar-06		
FY2006(4)			11WING	OPT/CPAF	MULTIPLE	May-06	Feb-07	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2007(4)			11WING	OPT/CPAF	MULTIPLE	May-07	Feb-08	Yes	
INTEGRATED MAINTENANCE DATA SYSTEM (IMDS)									
FY2005			AFMC/SSG	MIPR/FP	AIR FORCE/ MULTIPLE	May-05	Jul-05		
STANDARD PROCUREMENT SYSTEM (SPS)									
FY2005			AFMC/SSG	DO/FFP	MULTIPLE	Dec-04	Mar-05		
EXPEDITIONARY COMBAT SUPPORT SYSTEM (ECSS)									
FY2006(5)			AFMC/MSG	C/FFP W/OPT	UNKNOWN	Mar-06	Apr-06	Yes	
FY2007(5)			AFMC/MSG	OPT/FFP	UNKNOWN	Jan-07	Feb-07	Yes	
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE									
FY2007			AFMC/ESC	C/FFP	UNKNOWN	Dec-06	Dec-06	No	Aug-06

Remarks:

Quantity/unit costs vary depending on site configuration.

(1) Multiple contracts to include: FY04 Automatic Identification Technology III contract with AIT III Intermec Technologies, Inc., WPAFB, OH; MMAD with GTSI, Chantilly, VA; along with GSA, BPA, IT Services and ULANA II. Award/delivery dates represent the date of first award/delivery.
(2) Options to multiple GSA Schedule contracts. Award/delivery dates represent the date of first award and delivery. Contracts are typically, but not

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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

exclusively, executed by Standard Systems Group Commercial Information Technology-Product Area Directorate.
(3) Various contracts are available through the following vendors: Cegelec, Germany, GSA Schedule, SPAWARS and AFCEE. Award/delivery dates represent the date of first award/delivery.
(4) Options to multiple contracts to include the following companies: Minerals Management Service-Gov Works, Herndon, VA; GTSI - Chantilly, VA. Award/Delivery dates represent the date of first award/delivery.
(5) ECSS program received Milestone A approval on 31 Aug 05. COTS software contract is expected to be awarded in Mar 06. The System Integrator Request for Proposal (RFP) was released in Dec 05 with projected award May 06.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER BATTLE MANAGEMENT C2 SYSTEM

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$41,327	$41,113	$23,586	$27,978	$27,518	$33,671	$31,274

Description:

THEATER BATTLE MANAGEMENT CORE SYSTEMS (TBMCS) is an integrated battle management system used to plan, execute and assess an air campaign. It provides automated planning tools enabling consistent, coordinated battle management at the Air and Space Operations Center Weapon System (AOC WS) force level and unit level (operations and intelligence functions). TBMCS is a United States Air Force system with joint interest responsible for generation and dissemination of the air tasking order and will be interoperable with allied units. The TBMCS program integrated several "stovepipe" systems into a common operating environment, subsuming the functions of the Contingency Theater Automated Planning System (CTAPS), the Combat Intelligence System (CIS) and the Wing Command and Control System (WCCS). This integration provides a consistent software architecture.

This program purchases Commercial Off The Shelf (COTS) equipment to satisfy Air Force requirements for automated support of command and control functions at both force and unit-levels worldwide. As the functions of CTAPS (force level), WCCS (unit level) and CIS (intelligence) migrated into TBMCS, the funding for the earlier separate procurements was realigned under this program.

TBMCS funds procure 1) a full complement of fully configured equipment for initial unit-level operations installations at one site in FY07; 2) fully configured hardware upgrades for fielded force and unit level (operations and intelligence) installations necessary to sustain operations and 3) required software licenses, Type 1 training, Interim Contractor Support (ICS), contract engineering and System Program Office support associated with the fielding of TBMCS software spirals. Development funding for TBMCS is in Program Element 0207438F.

Beginning in FY07, this P-1 line no longer contains North American Aerospace Defense Command (NORAD) funding to purchase TBMCS equipment, licenses and support for OPERATION NOBLE EAGLE. NORAD funding was included in this P-1 line from FY03 to FY06 to continue TBMCS upgrades to NORAD command centers.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
THEATER BATTLE MANAGEMENT C2 SYSTEM

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TBMCS							{$20,834}			{$21,602}			{$9,048}
FORCE	A						$11,182			$11,185			$3,950
UNIT	A						$6,265			$8,064			$3,850
CIS (INTEL)	A						$3,387			$2,353			$1,248
COTS SOFTWARE LICENSES							$6,930			$5,919			$5,721
TYPE 1 TRAINING							$5,185			$5,353			$1,785
INTERIM CONTRACTOR SUPPORT (ICS)							$1,547			$1,474			$1,171
SYSTEM ENGINEERING							$2,886			$2,817			$2,337
PROGRAM SUPPORT							$3,945			$3,948			$3,524
TOTALS:							$41,327			$41,113			$23,586

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER BATTLE MANAGEMENT C2 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
TBMCS									
FORCE									
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	MULTIPLE	Jan-05	Mar-05		
FY2006(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Feb-06	Apr-06	Yes	
FY2007(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Dec-06	Feb-07	No	Nov-06
UNIT									
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	MULTIPLE	Jan-05	Mar-05		
FY2006(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Feb-06	Apr-06	Yes	
FY2007(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Dec-06	Feb-07	No	Nov-06
CIS (INTEL)									
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	MULTIPLE	Jan-05	Mar-05		
FY2006(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Feb-06	Apr-06	Yes	
FY2007(1-3)			AFMC/ESC	OTH/FFP	MULTIPLE	Dec-06	Feb-07	No	Nov-06

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** THEATER BATTLE MANAGEMENT C2 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

(1) Varying quantities and unit costs due to number/types of equipment being procured for specific sites. Sites include Air Combat Command, Pacific Air Forces, United States Air Forces in Europe and Air Force Special Operations Command.
(2) Multiple contracts for COTS equipment are used. Companies include World Wide Technology, Maryland Heights, MO; Northrop Grumman Information Technology, Virginia Beach, VA; Government Technology Services Inc, Chantilly, VA; Government Micro Resources Inc, Manassas, VA; Counter Trade Products Inc, Arvada, CO and Dell Incorporated, Austin, TX. Award/delivery dates reflect date of first award and delivery.
(3) Multiple purchase requests (PRs) will be executed to procure hardware on FFP contracts.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR OPERATIONS CENTER (AOC)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in actual dollars)		$42,794,000	$21,424,000	$25,183,000	$39,929,000	$35,119,000	$43,285,000	$29,024,000

Description:

The Air and Space Operations Center-Weapon System (AOC-WS), AN/USQ-163 Falconer, the senior element of the Theater Air Control System (TACS), is the weapon system that the Commander, Air Force Forces (COMAFFOR) provides the Coalition/Joint Force Air Component Commander (C/JFACC) for planning, executing and assessing theater-wide air and space operations. The C/JFACC provides air and space support to the Coalition/Joint Forces Commander (C/JFC) by coordinating, deconflicting and assessing the progress of various weapon systems to advance the C/JFC's campaign. The C/JFACC employs the weapon system for planning, executing and assessing theater-wide air and space operations. The AOC-WS develops operational strategy and planning documents. The weapon system also disseminates tasking orders, executes day-to-day peacetime and combat air and space operations and provides rapid reaction to immediate situations by exercising positive control of friendly forces.

1. AOC-WS PROGRAM: The AOC-WS program provides system hardware, software, technical documents and technology refresh to make the AOC a viable weapon system. The program consists of Falconer AOCs, Tailored Falconers or Functional AOCs (AOCs are tailorable, modular and scalable). They come in different sizes and shapes depending on what the commander needs. Commanders can therefore add to or subtract from the capabilities in the AOC to suit the needs of a particular operation and environment and AOC support (e.g. Formal Training Unit, Help Desk, Combined Air Operations Center-Experimental). The program will upgrade all sites to a standard AOC-WS configuration according to mission. This will also provide a single integrated technical manual package to the user. Increment 10.1 deliveries include initial hardware/software procurement, technical manuals, training and required technical refresh. These deliveries are fielded, in priority order, to critical AOC support elements, Falconers, training suites to Tailored Falconers and finally functional AOCs. Development funds for this program are in Program Element Code 0207410F.

a. INCREMENT FIELDING: FY07 funding will be used to continue to field and standardize full Falconer AOCs, the AOC Formal Training Unit, the Help Desk and Tailored Falconer AOCs at the Increment 10.1 configuration. Increment 10.1 includes but is not limited to dynamic planning, execution and enhanced battlespace awareness for continuous assessment and horizontal/vertical integration.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR OPERATIONS CENTER (AOC)

Description (continued):

b. TECH REFRESH: The AOC-WS program will provide and maintain state-of-the-art weapon systems. Technically advanced hardware will replace aging components to maintain information dominance, operational integrity and currency. FY07 funds will be used to provide technical refresh to currently fielded Falconer AOCs and Tailored Falconer training suites.

c. TECHNICAL DOCUMENTATION: Technical Documentation provides technical orders, flight manuals and other required documentation to the warfighter. The Technical Documentation Program supports safe and secure operations, installation, maintenance and sustainment of the AOC-WS. In addition, technical documentation is critical to maintaining system configuration and deriving training requirements for the weapon system. FY07 funds will be used to procure flight manuals.

d. PROGRAM SUPPORT: FY07 funding includes provisions for Government Contract oversight, technical expertise and AOC-WS Program Office support associated with the fielding of the AOC-WS.

2. COMBINED AIR AND SPACE OPERATIONS CENTER EXPERIMENTAL (CAOC-X), part of the Air Force Transformation Center (AFTC): The CAOC-X at Langley AFB, VA, procures and tests AOC-WS capabilities to prevent fratricide, integrate Common Operating Picture (COP) inputs, enhance targeting and tracking systems and reduce planning and execution timelines. Funding will also procure instrumentation and test equipment to capture data for system, network and operator performance analysis during assessments.

3. TIME-CRITICAL TARGETING FUNCTIONALITY (TCTF): No FY07 funding is requested.

Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
AIR OPERATIONS CENTER (AOC)

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AOC-WS PROGRAM							{$39,626}			{$19,910}			{$23,009}
INCREMENT FIELDING	A						$32,196			$5,302			$10,139
TECHNICAL REFRESH	A						$4,230			$7,508			$6,120
TECHNICAL DOCUMENTATION	A						$3,200			$3,100			$2,900
PROGRAM SUPPORT										$4,000			$3,850
CAOC-X	A						$1,432			$1,514			$2,174
TIME-CRITICAL TARGETING FUNCTIONALITY	A						$1,736						
TOTALS:							$42,794			$21,424			$25,183

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR OPERATIONS CENTER (AOC)

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
AOC-WS PROGRAM(1-4)									
INCREMENT FIELDING									
FY2005(1,3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/ MULTIPLE	Nov-04	May-05		
FY2006(1,3-4)			AFMC/ESC	MIPR/C/CPAF	MULTIPLE	Feb-06	Jul-06	Yes	
FY2007(1,3-4)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-07	May-07	Yes	
TECHNICAL REFRESH									
FY2005(1,3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/ MULTIPLE	Nov-04	Jan-05		
FY2006(1,3-4)			AFMC/ESC	MIPR/C/CPAF	MULTIPLE	Feb-06	Jul-06	Yes	
FY2007(1,3-4)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-07	May-07	Yes	
TECHNICAL DOCUMENTATION									
FY2005(1,3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/ MULTIPLE	Nov-04	Dec-04		
FY2006(1,3)			AFMC/ESC	MIPR/C/CPAF	MULTIPLE	Feb-06	Jul-06	Yes	
FY2007(1,3)			AFMC/ESC	DO/CPAF	MULTIPLE	Feb-07	May-07	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR OPERATIONS CENTER (AOC)

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
CAOC-X									
FY2005(1-2)			HQ ACC	MIPR/OPT/IDIQ	GSA/ MULTIPLE	Jan-05	May-05		
FY2006(1-2)			HQ ACC	MIPR/OPT/IDIQ	MULTIPLE	Feb-06	May-06	Yes	
FY2007(1-2)			HQ ACC	MIPR/OPT/IDIQ	MULTIPLE	Feb-07	May-07	Yes	
TIME-CRITICAL TARGETING FUNCTIONALITY									
FY2005(1-2)			AFMC/ESC	MIPR/OPT/IDIQ	MULTIPLE	Jan-05	May-05		

Remarks:

Multiple award delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.

(1) Quantity and Unit Cost vary due to unique AOC site configurations and capabilities.
(2) Contractors for TCTF are Zel Technologies, Hampton, VA, and MITRE-Bedford, MA. Contractors for CAOC-X are MITRE-Bedford, MA, and Lockheed Martin, Colorado Springs, CO.
(3) Contractors for the AOC WS Program, Increment Fielding, Technical Refresh, Technical Documentation and Contract Engineering & Systems Program Support are MITRE, Bedford, MA, SAIC, Burlington, MA, PESystems, Fairfax, VA, P3I, Hopkington, MA, Titan, Billerica, MA, and multiple selected contractors as needed. A Weapon Systems Integrator (WSI) contractor is currently in source selection, contract award expected in Mar 06.
(4) Multiple Purchase Requests & Military Interdepartmental Purchase Requests (PR's/MIPRS) will be executed to procure hardware on FFP contracts.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$358,199	$347,851	$334,655	$344,840	$476,179	$681,255	$701,049

Description:

The Base Information Infrastructure (BII) procurement line supports Air Force downward-directed corporate requirements from the Air Staff level. At the present time, BII funds the Combat Information Transport System (CITS) program, Joint Network Management System (JNMS), Network Connectivity, Public Key Infrastructure (PKI), common servers for the Global Combat Support System (GCSS-AF) integration framework infrastructure, Operationalizing and Professionalizing the Network (OPTN), Common Access Card (CAC), AF Network Operations and Security Center (AFNOSC) and Air Force Directory Service.

1. COMBAT INFORMATION TRANSPORT SYSTEM (CITS): CITS is the Air Force component of the National Information Infrastructure (NII) and the Defense Information Infrastructure (DII). CITS modernizes base/site information transport, management and protection capabilities by replacing maintenance-intensive equipment, replacing or upgrading existing voice switching systems, providing network management of information systems, increasing the capacity of saturated information transmission systems and providing information protection tools. This is the primary Air Force program to install complete, secure, fiber-optic and wireless infrastructure to mission-critical fixed-base facilities. This infrastructure ensures the warfighter and wing command center full access to real-time command and control (C2) information during contingencies. Lack of C2 access would severely limit reach-back capability supporting deployable push/pull information capability and impede proactive information protection countermeasures to support collaborative information exchange. The program includes three product areas that are centrally funded and managed by the CITS Program Office. The product areas are described below:

a. INFORMATION TRANSPORT SYSTEM (ITS): ITS product area implements and upgrades a broad-band, fiber-optic digital information transport network to provide near-instantaneous information transfer for each base and selected geographically separated units. ITS provides reliable and survivable information transport and will have sufficient capacity to meet the classified and unclassified data, voice, video, imagery and telemetry requirements at each fixed location. Most Air Force bases have an existing infrastructure that is incapable of supporting the current and future communications needs of the warfighter. Initial capability will include data transport with other information types, incorporated as technology and funding

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

Description (continued):

permit. Integration of AF and joint information operations will allow immediate threat awareness and impact, intelligence gathering and assessments and other relevant situational awareness of the battlespace. ITS further expands the Secure Internet Protocol Router Network (SIPRNET) infrastructure--the backbone to joint and coalition warfighting. FY07 funds direct mission support and procures ITS installation projects for the highest priority bases. Installs may include: fiber optic backbone, network equipment, encryption devices, virtual private networks, voice and video interfaces, building wiring, wireless, network access, training, test and support. Any delay in ITS installation will impact the schedules of C2 and combat support automation modernization programs dependent upon the in-place fiber optic ITS infrastructure.

b. NETWORK MANAGEMENT/NETWORK DEFENSE (NM/ND) (formerly known as NETWORK OPERATIONS/INFORMATION ASSURANCE (NO/IA): The NM/ND product area delivers and updates a modern network management system for base Network Control Centers, MAJCOM Network Operations and Security Centers, and the Air Force Network Operations and Security Center (AFNOSC). NM/ND supports the International Standards Organization's (ISO) five network management functions: fault management, configuration management, performance management, accounting management and security management. Products assure integrity of information systems in the face of attack and assist with defense against cyber attacks on critical defense-related infrastructure. NM/ND provides the information assurance, network management and telephonic management and protection tools for each Air Force base to detect, analyze, deter, isolate, contain, reconstitute and recover from information systems and network security intrusions or attacks. Tools enable information integrity, security and confidentiality to be maintained while passing information across the infostructure (networks, servers, clients). Situational awareness of the infostructure is provided via a Common Operational Picture (COP). Efforts in this product area continue to close all known holes in the AF's protective net, deploy analytical tools, develop automated tools to dynamically detect and respond to network intrusions, develop the road map for creating self-healing, self-forming, self-aware networks to prevent threat-based or equipment-based network degradations or outages, standardize AF and MAJCOM-level operations centers and provide critical training and support needed to fight cyber threats. FY07 funds procure direct mission support and continue the installation and support of critical classified and unclassified information equipment capabilities for fixed-based and deployed installations worldwide.

c. VOICE SWITCHING SYSTEM (VSS): The VSS product area provides technology upgrades, line expansion to existing base telephone systems and new commercial-off-the-shelf (COTS) digital switching equipment to replace telephone switches no longer capable of meeting mission requirements. Increased capacity and standard interfaces of new or upgraded equipment (dial central offices, information transport nodes, remote switching centers, private branch exchanges, etc.) improves intrabase connectivity and capability to move information worldwide. FY07 funding ensures bases will have this initial capability and plans for new mission growth and increasing demands for fax machine and secure telephone dial-in connectivity.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

Description (continued):

FY07 funds direct mission support and procure upgrades for 380 switches in the AF inventory to support converged voice and data traffic onto a single network transport layer.

2. NETWORK CONNECTIVITY: No FY07 funds requested.

3. INFORMATION SYSTEM SECURITY PROGRAM (ISSP): FY07 funding provides for modernization and implementation of specialized computer network defense tools to meet DoD and AF defense in-depth requirements. Technologies, products and systems will focus on improving network intrusion detection systems, firewalls, gateway solutions, virtual private networks, vulnerability assessment, patch distribution and management and “insider threat” identification and mitigation. ISSP ensures the detection of malicious intrusions that have circumvented first layer defenses at the protection perimeter, the lockdown or hardening of critical resources and assets, and enhanced access control and auditing capabilities.

4. JOINT NETWORK MANAGEMENT SYSTEM (JNMS): JNMS is a joint communications planning and management system for all services supporting Combatant Commanders, Joint Task Force Commanders and Joint Special Operations Task Force Commanders. JNMS provides communications planners with capabilities to conduct high-level planning (war planning), detailed networking planning and engineering, network monitoring, control and reconfiguration, spectrum planning and management and enables security of systems and networks supporting joint operations. JNMS will operate on the SIPRNET with a NIPRNET status feed through one-way guard. The system replaces the Joint Information Infrastructure Control System-Deployed that was fielded as proof of concept. JNMS will be used to establish network connectivity between all services in the theater of operations. It also allows for crisis action planning prior to deployment to include planning for deploying mobile networks and then activating and redeploying to meet changing mission requirements. The JNMS supports Presidential Directive NSPD23 and Secretary of Defense Memorandum on Global Missile Defense for the Ballistic Missile Defense System. FY07 funds procure direct mission support and installation of critical information equipment capabilities for worldwide joint network operations.

5. AF Network Operations and Security Center (AFNOSC): FY07 funding procures and maintains AFNOSC's ability to C2 over situational awareness of the AF-provisioned portion of the Global Information Grid (GIG). The AFNOSC responds to network outages and attacks, taking actions to protect, defend and restore AF networks for the Warfighter. Through its three divisions and with the help of supporting organizations, the AFNOSC identifies and characterizes network events mitigating problems and ensuring those war fighting operations that depend on the GIG are unimpeded. Funding goes to ensure communication and information sharing between the AFNOSC, its three divisions and key Air Force command leadership and Warfighters is state-

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

Description (continued):

of-the-art and enables critical decision-making. Funding also goes toward ensuring the reliability and redundancy of the AF-provisioned portion of the Global Information Grid. FY07 funding will support blade server upgrades (to include increased storage and processor power) for User-defined Operational Picture/Network Common Operating Picture (UDOP/NETCOP). Upgrades are necessary to infuse mass data streams to a single highly specialized display, along with means for the AFNOSC to fuse/filter/correlate and display the meaningful data. FY07 funding also supports storage and processing upgrade for AFNOSC trends analysis databases (CDS/CIDDS).

This program also funds redundant system suites for the AFNOSC, to include hot-spare Service Delivery routers (SDPs), automated network security (ASIM) suites, etc. Purchase of these redundant capabilities off-sets a critical single point-of-failure at the AFNOSC and meets response timeliness requirements mandated by Joint Task Force-Global Network Operations (JTF-GNO).

6. AIR FORCE DIRECTORY SERVICES (AFDS): AFDS serves as the foundation for identity management by creating the single user namespace that will support the delivery of an enterprise security service and backbone for AF networks (both in-garrison and tactical), as well as enterprise systems and applications. The AFDS meta-service “joins” identity attributes from AF and DoD authoritative data sources and makes them available for consumption across the AF Enterprise by leveraging commercial open standards. AFDS ensures that AF user identities are common and synchronized across the directories and information stores of various networks, systems and applications; it eliminates the disparity of maintaining stove-piped systems and through use of directory technology, alleviates latency associated with the sharing/replication of identity attributes. The initial focus of AFDS is on the creation and management of identity and person (user) data objects. The technology is capable of supporting AF long-term needs in the areas of material, equipment, services and applications. FY07 funds service contract support, hardware refreshment, software license renewal and new hardware/software.

7. PUBLIC KEY INFRASTRUCTURE (PKI): Beginning in FY07, funding for the PKI program transitions from Base Information Infrastructure P-1 Item No. 57 to COMSEC Equipment, P-1 Item No. 35.

8. COMMON ACCESS CARD (CAC): No FY07 funding requested.

9. GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE (GCSS-AF): Beginning in FY07 funding for GCSS-AF transitions from Base Information Infrastructure P-1 Item No. 57 to GCCS-AF Family of Systems (FOS), P-1 Item No. 54.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

Description (continued):

10. ALASKA-WIDE LAND MOBILE RADIO (LMR) PROGRAM: No FY07 funding requested.

11. AIR FORCE RESERVE CONTINUITY OF OPERATIONS PLAN (AFRC COOP): No FY07 funding requested.

For paragraphs 2 through 11, iItems requested in FY07 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.

In FY06, Base Information Infrastructure received a $2.9M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMBAT INFORMATION TRANSPORT SYSTEM (CITS)					{$311,094}		{$319,588}		{$324,063}
INFORMATION TRANSPORT SYSTEM (ITS)	A				$175,812		$146,596		$144,346
NETWORK MANAGEMENT/NETWORK DEFENSE (NM/ND)	A				$104,730		$147,034		$153,148
VOICE SWITCHING SYSTEM (VSS)	A				$30,552		$25,958		$26,569
NETWORK CONNECTIVITY	A				$10,027				
INFORMATION SYSTEMS SECURITY PROGRAM	A				$7,840		$1,121		$2,008
JOINT NETWORK MANAGEMENT SYSTEM (JNMS)	A				$4,658		$5,139		$6,829
AIR FORCE NETWORK OPERATIONS AND SECURITY CENTER (AFNOSC)	A								$745
AIR FORCE DIRECTORY SERVICE (AFDS)	A				$825		$976		$1,010
PUBLIC KEY INFRASTRUCTURE (PKI)	A				$2,313		$4,605		
COMMON ACCESS CARD (CAC)	A				$1,692		$1,982		
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE					{$8,550}		{$11,540}		
GCSS-AF ARCHITECTURE	A				$7,580		$10,376		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE INFORMATION INFRASTRUCTURE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CFO SYSTEMS AND SUPPORT	A				$970		$1,164		
ALASKA-WIDE LAND MOBILE RADIO (LMR) PROGRAM	A				$10,200				
AIR FORCE RESERVE CONTINUITY OF OPERATIONS PLAN (AFRC COOP)	A				$1,000		$2,900		
TOTALS:					$358,199		$347,851		$334,655

Remarks:

Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
COMBAT INFORMATION TRANSPORT SYSTEM (CITS)									
INFORMATION TRANSPORT SYSTEM (ITS)(1-2,5)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Nov-04	Dec-04		
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Nov-05	Dec-05		
FY2007			AFMC/ESC	DO/FFP	MULTIPLE	Nov-06	Dec-06	Yes	
NETWORK MANAGEMENT/NETWORK DEFENSE (NM/ND)(1-2)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Nov-04	Dec-04		
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Nov-05	Dec-05		
FY2007			AFMC/ESC	DO/FFP	MULTIPLE	Nov-06	Dec-06	Yes	
VOICE SWITCHING SYSTEM (VSS)(1-2)									
FY2005			AFMC/OO-ALC	DO/FFP	MULTIPLE	Nov-04	Dec-04		
FY2006			AFMC/OO-ALC	DO/FFP	MULTIPLE	Jan-06	Mar-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2007			AFMC/OO-ALC	DO/FFP	MULTIPLE	Nov-06	Dec-06	Yes	
NETWORK CONNECTIVITY(1-2)									
FY2005			HQ AFCA	DO/FFP	MULTIPLE	Nov-04	May-05		
INFORMATION SYSTEMS SECURITY PROGRAM(1,5)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Nov-04	Jan-05		
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Mar-06	Jun-06	Yes	
FY2007			AFMC/ESC	DO/FFP	MULTIPLE	Mar-07	Jun-07	Yes	
JOINT NETWORK MANAGEMENT SYSTEM (JNMS)(1-2)									
FY2005			HQ AFCA	DO/FFP	MULTIPLE	Nov-04	Dec-04		
FY2006			HQ AFCA	DO/FFP	MULTIPLE	Mar-06	May-06	Yes	
FY2007			HQ AFCA	DO/FFP	MULTIPLE	Nov-06	Feb-07	Yes	
AIR FORCE NETWORK OPERATIONS AND SECURITY CENTER (AFNOSC)									
FY2007			HQ ACC	C/FFP	UNKNOWN	Jan-07	Mar-07	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
AIR FORCE DIRECTORY SERVICE (AFDS)(1-2)									
FY2005			AFMC/SSG	DO/FFP	MULTIPLE	Sep-05	Sep-05		
FY2006			AFMC/SSG	DO/FFP	UNKNOWN	Jul-06	Sep-06	Yes	
FY2007			AFMC/SSG	DO/FFP	UNKNOWN	Jul-07	Sep-07	Yes	
PUBLIC KEY INFRASTRUCTURE (PKI)(1,3)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Dec-04	Jan-05		
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Dec-05	Jan-06		
COMMON ACCESS CARD (CAC)(1)									
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Dec-04	Jan-05		
FY2006			AFMC/ESC	DO/FFP	MULTIPLE	Mar-06	Jul-06	Yes	
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE									
GCSS-AF ARCHITECTURE(1,4)									
FY2005			AFMC/SSG	MIPR/IDIQ	GSA/ MULTIPLE	Nov-04	Dec-04		
FY2006			AFMC/SSG	MIPR/IDIQ	GSA/ MULTIPLE	Nov-05	Dec-05		

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
CFO SYSTEMS AND SUPPORT(1)									
FY2005			11WING	DO/FFP	MULTIPLE	Feb-05	Feb-05		
FY2006			11WING	DO/FFP	MULTIPLE	Feb-06	Feb-06		
ALASKA-WIDE LAND MOBILE RADIO (LMR) PROGRAM(2)									
FY2005			HQ PACAF	DO/FFP	MULTIPLE	Mar-05	Sep-05		
AIR FORCE RESERVE CONTINUITY OF OPERATIONS PLAN (AFRC COOP)									
FY2005			HQ AFRC	C/FFP	MULTIPLE	Mar-05	Sep-05		
FY2006			HQ AFRC	C/FFP	UNKNOWN	Mar-06	Sep-06	Yes	

Remarks:

(1) Multiple award and delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.
(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.
(3) Multiple contractors will be used to satisfy requirements. Contracts are typically, but not exclusively, from the Standard Systems Group Commercial Information Technology-Product Area Directorate (CIT-PAD). PKI: typical vendors are Sun Microsystems, Palo Alto, CA, and Dell, Round Rock, TX.
(4) Multiple contractors will be used to satisfy requirements. Contracts are typically, but not exclusively, from the Standard Systems Group Commercial Information Technology-Product Area Directorate (CIT-PAD). GCSS typical vendors: ORACLE/AMARC, Davis Monthan AFB, AZ (PCO is DISA St Louis,

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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

MO).
(5) Given the close linkage between CITS and ISSP, ISSP will be executed through the CITS contractors listed above.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** USCENTCOM

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$44,735	$30,643	$32,558	$43,375	$35,893	$36,785	$37,390

Description:

United States Central Command's (USCENTCOM) objectives are to maintain and enhance regional stability in the Middle East as well as engage in humanitarian and security assistance programs. Since USCENTCOM has the Middle East and its inherent peace problems as its Area of Responsibility (AOR), this Combatant Command is key with regard to the global war on terror. The Air Force (AF) is the executive agent for USCENTCOM which is geographically separated from its AOR by over 7,000 miles. To meet its mission responsibilities with this geographical handicap, USCENTCOM relies on Command, Control, Communications, and Computer (C4) systems capable of achieving full spectrum information superiority. Funding in FY07 will significantly improve communications reliability, capacity, and security in a number of operating locations in Southwest Asia. Introduction of newer technology systems will reduce the Air Force's need to activate Guard and Reserve units to maintain and operate older, more manpower-intensive tactical communications systems.

1. USCENTCOM COMMAND AND CONTROL SYSTEMS: FY07 funds provide for modernization of communications and command and control (C2) systems, including the Global Command and Control System (GCCS), classified and unclassified telephone switches, local area networking servers, information assurance tools, and enterprise software licenses.

2. JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE): JCSE, assigned under US Joint Forces Command, is the only joint Department of Defense (DoD) unit specifically formed to provide C4 systems support for Joint Chiefs of Staff (JCS) contingency operations worldwide. FY07 funds provide the AF's proportional cost share required to procure C4 equipment in support of deployed Joint Task Force Headquarters and deployed Special Operations Command Headquarters. Equipment requirements are approved annually by the JCS and procurement for the AF share is executed by JCSE.

3. AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) DEPLOYABLE C3 UNITS: No FY07 funding requested.

4. AIR COMBAT COMMAND (ACC) COMMUNICATIONS: Central Air Forces (CENTAF) is the ACC component designated to support USCENTCOM

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** USCENTCOM

Description (continued):

operations in deployed theaters for the Air Force. FY07 funds provide for modernization of communications and automation systems, including commercial satellite terminals, telephone switches, network servers and associated information assurance tools. FY07 funds will also improve air traffic control and landing systems in the deployed theater.

Items requested in FY07 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.

In FY05, USCENTCOM received $18.7M in additional funding under P.L. 108-324, the Military Construction Appropriations and Emergency Hurricane Supplemental Appropriations Act, 2005.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** USCENTCOM

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
USCENTCOM COMMAND AND CONTROL SYSTEMS	A				$2,678		$3,184		$3,346
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	A				$3,544		$3,493		$3,455
AFSOC DEPLOYABLE C3 UNITS	A				$487				
ACC COMMUNICATIONS	A				$38,026		$23,966		$25,757
TOTALS:					$44,735		$30,643		$32,558

Remarks:

Cost information is in thousands of dollars.

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	59		155		

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)										DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: USCENTCOM					
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**	
USCENTCOM COMMAND AND CONTROL SYSTEMS										
FY2005(1-2)			USCENTCOM	C/FFP	MULTIPLE	Nov-04	Dec-04			
FY2006(2)			USCENTCOM	C/FFP	TELECOMMUNICATIONS SYSTEMS INC/ ANNAPOLIS, MD	Feb-06	Jun-06			
FY2007(2)			USCENTCOM	C/FFP	UNKNOWN	Dec-06	Apr-07	Yes		
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)										
FY2005(1-2)			11WING	C/FFP	MULTIPLE	Feb-05	Jul-05			
FY2006(2)			11WING	C/FFP	UNKNOWN	Mar-06	Jul-06	Yes		
FY2007(2)			11WING	C/FFP	UNKNOWN	Feb-07	Jul-07	Yes		
AFSOC DEPLOYABLE C3 UNITS										
FY2005(1-2)			HQ AFSOC	C/FFP	MULTIPLE	Feb-05	Jul-05			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** USCENTCOM

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
ACC COMMUNICATIONS									
FY2005(1-2)			HQ ACC	C/FFP	MULTIPLE	Dec-04	Jan-05		
FY2006(2)			HQ ACC	C/FFP	UNKNOWN	Mar-06	Jul-06	Yes	
FY2007(2)			HQ ACC	C/FFP	UNKNOWN	Dec-06	Jan-07	Yes	

Remarks:

(1) Multiple contract awards for small acquisitions through different government contracts and contracting agencies, for example: 6th Contracting Squadron, MacDill AFB, FL; NSA, Ft Meade, MD; PM-MILSATCOM, Ft Monmouth, NJ; and SPAWAR, North Charleston, SC. Contractor/vendor examples: Dataline Inc, Norfolk, VA; TKC Integration Services, LLC, Fairfax, VA; SBC Datacom, Inc, Sterling, VA; Tibalco, LLC, Bethesda, MD; CISCO Systems, Inc, San Jose, CA; Tanberg, Viejo, CA; VIASAT, Inc, Carlsbad, CA; L-3 Communications, Hauppauge, NY; SWE-DISH Satellite Systems, Solna, Sweden; Harris RF Communications, Rochester, NY; TCS Telecommunications Systems, Tampa, FL; IBM, Armonk, NY; Dell, Round Rock, TX; Anteon, Fairfax, VA; DataPath, Duluth, GA; General Dynamics, Falls Church, VA; ITT Industries, Colorado Springs, CO; L-3 Communications Government Services, Inc, Chantilly, VA; Lockheed-Martin IT, Seabrook, MD; Milcom Systems, Virginia Beach, VA; MTS, Amherst, VA; Multimax, Largo, MD; Spacelink, Dulles, VA; Sprint, Reston, VA; Tactical Power Systems, Rangeley, ME. Award/delivery dates reflect date of first award and delivery.
(2) Quantity/unit costs vary because of different types/configurations of equipment being procured.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE BASED IR SENSOR PROGRAM SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$0	$3,640	$4,219	$3,979	$1,947	$1,956	$1,949

Description:

The Space-Based Infrared System (SBIRS) consolidates national and DOD infrared detection systems into a single overarching architecture that fulfills the nation's security needs in the areas of missile warning, missile defense, technical intelligence and battle space characterization. SBIRS enables global, simultaneous surveillance, tracking and targeting of multiple targets in multiple areas of responsibility, and surveillance of infrared sources of operational, intelligence or national significance. SBIRS consists of Defense Support Program (DSP) satellites, satellites in Geosynchronous Earth Orbit (GEO), payloads hosted on Highly Elliptical Orbit (HEO) satellites, an integrated centralized Mission Control Station (MCS) and full backup and relay and mobile ground stations. Development funding for this program is in Program Element 0604441F.

1. SBIRS MOBILE and FIXED SITE COMMUNICATIONS/ELECTRONIC UPGRADES: DSP and SBIRS assets maintain ongoing requirements for low-cost upgrades and maintenance that exceed O&M appropriations thresholds. This requirement will increase as legacy Mobile Ground Terminals (MGT) continue to operate outside of their design life due to delays in the fielding of the Multi-Mission Mobile Processor (M3P), a vital tool to provide theater combatant commanders with the ability to receive, process and disseminate information regarding hostile tactical ballistic missile launches. Fixed site examples include, but are not limited to, legacy receiver replacement, antenna drive system upgrades, Spacecraft Simulator RF replacement, MCS display upgrade and Rapid Delog (instantaneous translation of computer data to a human-readable format). Mobile system examples include, but are not limited to, aging radio frequency communications equipment, aging antenna equipment and aging electrical equipment and cabling. This requirement is equivalent to a low cost modification line for aircraft programs.

2. MGT DATA PROCESSING SUB-SYSTEM (DPSS) UPGRADE: DSP MGTs use the DPSS to convert DSP satellite data into mission data. The MGT DPSS contains several unique, one-of-a-kind circuit cards used only within the MGT that are gradually being depleted and must be reengineered and replaced to keep the system viable until 2011 fielding of SBIRS M3Ps. The upgrade is basically a form, fit and function replacement.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE BASED IR SENSOR PROGRAM SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SBIRS MOBILE SYSTEM & FIXED SITE COMM ELECTRONIC UPGRADES	A									$600			$2,219
MGT DPSS UPGRADE	A									$3,040			$2,000
TOTALS:										$3,640			$4,219

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE BASED IR SENSOR PROGRAM 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
SBIRS MOBILE SYSTEM & FIXED SITE COMM ELECTRONIC UPGRADES									
FY2006(1,3)			AFSPC/SMC	OTH/CPAF	LOCKHEED MARTIN SPACE COMPANY/ SUNNYVALE, CA	Jul-06	Jan-07	No	May-06
FY2007(1,3)			AFSPC/SMC	OTH/CPAF	LOCKHEED MARTIN SPACE COMPANY/ SUNNYVALE, CA	Jan-07	Jan-08	No	May-06
MGT DPSS UPGRADE									
FY2006(2-3)			AFSPC/SMC	OTH/OTH	SAIC/ SAN DIEGO, CA	Mar-06	Jan-07	Yes	
FY2007(2-3)			AFSPC/SMC	OTH/OTH	SAIC/ SAN DIEGO, CA	Jan-07	Jan-08	Yes	

Remarks:

(1) Procurement for SBIRS Mobile System & fixed site comm electronics upgrades is a modification to the SBIRS Engineering and Manufacturing Development (EMD) contract awarded in November 1996.
(2) MGT DPSS Upgrade procurement will use a blanket purchase agreement (BPA).
(3) Unit costs and quantities vary due to multiple types of computer hardware being procured.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NAVSTAR GPS SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$9,863	$8,974	$6,004	$5,503	$5,162	$8,794	$66,374

Description:

The Navstar Global Positioning System (GPS) provides highly accurate time and three-dimensional position and velocity information to an unlimited number of users anywhere on or above the surface of the earth, in any weather. GPS satisfies validated joint service requirements for worldwide, accurate, common grid navigation for military aircraft, ships, ground vehicles and personnel. The system is comprised of three segments: (1) satellites, (2) a control network and (3) user equipment. The satellites broadcast high-accuracy data using precisely synchronized signals that are received and processed by user equipment installed in military platforms. The control network updates the navigation messages broadcast from the satellites to provide system vectors to target location or navigational way points. Air Force (AF) user equipment consists of Precision Lightweight GPS Receivers (PLGR) and all in-view receivers such as the Defense Advanced GPS Receiver (DAGR). FY07 GPS funding provides for increased anti-jam capabilities on GPS user equipment and M-code UE development (M-code is new advanced military code that makes up part of GPS modernization capabilities). The development funding for Navstar GPS is in Program Element 0305164F, GPS User Equipment.

1. PRECISION LIGHTWEIGHT GPS RECEIVER (PLGR): FY07 funds provide software modification fielding for the PLGR, a lightweight, handheld GPS set that receives satellite signals and processes the data into precise position and velocity information. This nondevelopmental item supports Air Liaison Officers (ALOs), Forward Air Controllers (FACs), Explosive Ordinance Disposal (EOD) teams, Security Forces and Combat Control Teams (CCTs) by supplying precise position information on a universal grid reference system and time synchronization for anti-jam communications systems. The AF has lead service responsibility that includes Army, Navy and Marines for PLGR procurement.

2. KEY DATA LOADING INSTALLATION FACILITY (KLIF)/GPS SECURITY DEVICE: FY07 funding provides for the programming of black key (cryptographic) algorithms into Selective Availability Anti-Spoofing Module (SAASM) chips, providing an accurate positioning solution for GPS users using secure equipment. FY07 funds will procure support for Key Data Processors (KDP), ensuring uninterrupted support to SAASM vendors. SAASM vendors are required to use government-provided KDP as part of the security architecture.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NAVSTAR GPS SPACE

Description (continued):

3. DEFENSE ADVANCED GPS RECEIVER (DAGR): DAGR, the follow-on to the PLGR, is the next generation handheld self-contained GPS receiver with precise positioning using SAASM. It is interoperable with existing PLGR interfaces and support equipment so present integration and support capabilities are minimally affected. DAGR is primarily used in the standalone mode, in wheeled and tracked vehicles, in airborne and air-drop operations, and in weapons integration. The AF has lead service responsibility that includes Army, Navy and Marines for DAGR procurement. FY07 funding procures military secure handheld GPS receivers (i.e. DAGRs).

4. HANDHELD TESTING SUPPORT: FY07 funding provides testing support for user equipment. Testing includes engineering change proposals and product improvements for DAGR.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
NAVSTAR GPS SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
NAVSTAR GPS													
PRECISION LIGHTWEIGHT GPS RECEIVER (PLGR)										$500			$50
KLIF/GPS SECURITY DEVICE							$7,212			$3,759			$1,915
DAGR	A						$2,451			$4,499			$3,857
HANDHELD TESTING SUPPORT							$200			$216			$182
TOTALS:							$9,863			$8,974			$6,004

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NAVSTAR GPS 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
DAGR									
FY2005(1)			AFSPC/SMC	OPT/FP	ROCKWELL COLLINS/ CEDAR RAPIDS, IA	Jan-05	Jun-05		
FY2006(1)			AFSPC/SMC	OPT/FP	ROCKWELL COLLINS/ CEDAR RAPIDS, IA	Mar-06	Aug-06	Yes	
FY2007(1)			AFSPC/SMC	OPT/FP	ROCKWELL COLLINS/ CEDAR RAPIDS, IA	Jan-07	Jun-07	Yes	

Remarks:

Cost information is in actual dollars.

(1) Basic Contract (C/FP) awarded Oct 02 to Rockwell Collins, Cedar Rapids, IA, and Raytheon Systems, El Segundo, CA. This is a long term contract with production options that can be exercised until FY11.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NUDET DETECTION SYSTEM SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$7,253	$9,270	$13,456	$16,459	$27,812	$21,931	$10,532

Description:

The United States Nuclear Detonation (NUDET) Detection System (USNDS) collects and exploits critical information, disseminates this information to the proper organizations in a secure, survivable environment, and ensures critical Command, Control, Communications, and Computers Intelligence Surveillance, and Reconnaissance operations during and after weapons of mass destruction attacks. USNDS provides a worldwide, highly survivable capability to detect, locate, and report nuclear detonations in the earth's atmosphere or in near space, in near real time. USNDS supports NUDET detection requirements for US Northern Command (USNORTHCOM)/North American Aerospace Defense Command [Integrated Tactical Warning and Attack Assessment (ITW/AA)], US Strategic Command (USSTRATCOM) (Nuclear Force Management), and the Air Force Technical Applications Center (AFTAC) (Treaty Monitoring). USNDS consists of space and ground mission-processing segments. The space segment consists of NUDET detection sensors on both Global Positioning System satellites and Defense Support Program satellites. The ground mission processing segment consists of the Integrated Correlation and Display System (ICADS), Ground NDS Terminals (GNT), and DSP/NDS Advanced Radiation Detection Units (ARDU). (Reference the Research, Development, Test, and Evaluation Budget Justification Exhibits for Program Element 0305913F).

The GNT processes raw NDS sensor data and provides survivable NUDET detection, analysis, and reporting to the President, Congress, and Secretary of Defense. The ICADS receives daily navigation update messages and NUDET detection mission data from the satellites. Presently, the USNDS supports national-level missions for Air Combat Command, AFTAC, and the combatant commanders, including USSTRATCOM and USNORTHCOM. NUDET reporting is required for the ITW/AA, Nuclear Force Management, and nuclear test ban treaty monitoring missions.

1. ICADS UPGRADE: FY07 funds ICADS IIF upgrades with the purchase of on-site and depot computer equipment for the two delivered ICADS IIF systems and purchase of additional data processors for these delivered systems to support the DSP Neutron Gamma processing. It includes purchases of Radiation Detection Data Processors (RDPs) to replace seven ARDUs, upgrade of RDP testbed to final configuration, and initial on-site and depot computer equipment for the RDP. The funding increase in FY07 in the program is a result of beginning Initial Operating Capability (IOC).

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NUDET DETECTION SYSTEM SPACE

Description (continued):

2. GNT UPGRADES: FY07 funds GNT IIF upgrades with the purchase of data processors, workstations and initial on-site and depot computer equipment.

3. SPACE and ATMOSPHERIC BURST REPORTING SYSTEM (SABRS) ON SPACE-BASED INFRARED SYSTEM (SBIRS): The Space and Atmospheric Burst Reporting System (SABRS) is the future neutron/gamma sensor payload on SBIRS satellites to replace the USNDS sensor payload on DSP satellites. SABRS will fly as a secondary payload on SBIRS GEOs. FY07 funding procures necessary equipment for implementation of effort.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NUDET DETECTION SYSTEM SPACE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ICADS UPGRADE	A				$4,012		$5,720		$8,724
GNT UPGRADE	A				$3,241		$3,550		$3,832
SABRS ON SBIRS	B								$900
TOTALS:					$7,253		$9,270		$13,456

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** NUDET DETECTION 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
ICADS UPGRADE									
FY2005(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-04	Jun-06		
FY2006(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-05	Jun-07		
FY2007(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-06	Jun-08	Yes	
GNT UPGRADE									
FY2005(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-04	Jun-06		
FY2006(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-05	Jun-07		
FY2007(1-2)			AFSPC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ ALBUQUERQUE, NM	Dec-06	Jun-08	Yes	
SABRS ON SBIRS									
FY2007			AFSPC/SMC	MIPR/OTH/OTH	UNKNOWN	Nov-06	Sep-08	No	Aug-06

Remarks:

(1) Unit costs and quantities vary due to multiple types of computer hardware being procured.
(2) The contract type to the Department of Energy Sandia National Laboratory is cost reimbursement based on a Work for Others agreement.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE SATELLITE CONTROL NETWORK SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$42,126	$50,951	$85,512	$65,933	$65,318	$62,631	$65,247

Description:

The Air Force Satellite Control Network (AFSCN) is a global infrastructure of control centers, Remote Tracking Stations (RTS) and communications links that provide the highly reliable command, control and communications (C3) range systems required to support the nation's surveillance, navigation, communications and weather satellite operations. The AFSCN is the DoD common user network providing satellite state-of-health, tracking, telemetry and commanding for the following operational satellite systems: Defense Meteorological Satellite Program, Global Positioning System, Defense Satellite Communications System, Defense Support Program, Fleet Satellite, Military Strategic and Tactical Relay, Skynet, North Atlantic Treaty Organization and classified program systems. The AFSCN also provides mandatory launch and early orbit tracking operations in support of all major US launches. Development funding for AFSCN is in Program Element 0305110F.

This project procures integrated mission critical electronics and telecommunications equipment for aging C3 and range elements of the AFSCN. These technological upgrades will ensure decision dominance which provides predictive battle space awareness and shortens the Find, Fix, Track, Target, Engage and Assess kill chain. Principal efforts include:

1. NETWORK OPERATIONS UPGRADES: These efforts upgrade network management services to include AFSCN resource monitoring and scheduling capabilities. Network Operations Upgrades use integrated and pre-deployment-tested commercial hardware and software to the maximum extent possible. FY07 funds will procure equipment for a resource scheduling system upgrade.

2. RANGE AND COMMUNICATIONS UPGRADES: FY07 funding emphasizes the critical role of satellite data transmission supporting ongoing operations in Afghanistan and Iraq. Several efforts are being implemented in order to improve and modernize the range and communications segment elements of the AFSCN, including integrated pre-deployment hardware/software validation, antenna replacements and equipment upgrades at the RTSs. These efforts significantly improve AFSCN capacity, reliability, data quality and ensure warfighter continued and upgraded access to real-time operational data. FY07 funds procure RTS block changes, replacement antenna systems and associated communications equipment to continue the upgrades.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE SATELLITE CONTROL NETWORK SPACE

Description (continued):

3. INTERIM SUPPLY SUPPORT: FY07 funds provide Interim Supply Support to include support services and initial spares under the Reformed Supply Support Process (a reengineering effort designed to form a partnership between government and industry that streamlines the weapon system spares acquisition process) for the Satellite Control Network Contract and to transition to government supply support.

4. PROGRAM SUPPORT: FY07 funds procure other support for the system program office including, but not limited to: engineering, cost estimating, contract reconciliation, configuration management and information technology support, as well as other similar efforts.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE SATELLITE CONTROL NETWORK SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR FORCE SATELLITE CONTROL NETWORK IMPROVEMENT & MODERNIZATION													
NETWORK OPERATIONS UPGRADES	A						$5,445			$8,443			$3,037
RANGE & COMMUNICATIONS UPGRADES	A						$29,389			$33,088			$74,394
INTERIM SUPPLY SUPPORT							$755			$2,447			$1,710
PROGRAM SUPPORT							$6,537			$6,973			$6,371
TOTALS:							$42,126			$50,951			$85,512

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE SATELLITE CONTROL NETWORK 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
AIR FORCE SATELLITE CONTROL NETWORK IMPROVEMENT & MODERNIZATION									
NETWORK OPERATIONS UPGRADES(1)									
FY2005(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/ COLORADO SPRINGS, CO	Jan-05	May-05		
FY2006(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/ COLORADO SPRINGS, CO	Mar-06	Jul-06	Yes	
FY2007(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/ COLORADO SPRINGS, CO	Jan-07	May-07	Yes	
RANGE & COMMUNICATIONS UPGRADES(1)									
FY2005(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/ COLORADO SPRINGS, CO	Jan-06	Jun-06		
FY2006(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/ COLORADO SPRINGS, CO	Mar-06	Aug-06	Yes	
FY2007(3)			AFSPC/SMC	OPT/CPAF	MULTIPLE	Dec-06	Apr-07	Yes	

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** AIR FORCE SATELLITE CONTROL NETWORK 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

(1) Quantities and unit costs vary due to different types/configurations of equipment being procured. Delivery dates reflect first delivery date of multiple deliveries.
(2) Option to prior year Satellite Control Network Contract (SCNC) baseline awarded in Dec 01 to Honeywell Technology Solutions, Colorado Springs, CO.
(3) An additional FFP contract is available to procure replacement network equipment for a classified user. Specs are currently available. Multiple awards and delivery dates to be awarded to existing contracts; award/delivery dates reflect date of first award and delivery.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACELIFT RANGE SYSTEM SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$101,611	$106,542	$120,450	$141,011	$101,881	$104,068	$105,438

Description:

The Eastern Range at Patrick Air Force Base, FL, and the Western Range 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. As a result, the SLRS supports Air Force (AF) concepts of operations for Global Mobility, Nuclear Response, Space and Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance and Global Strike. Additionally the SLRS addresses specific capabilities in terms of: Force Projection, Rapid Global Delivery and Spacelift. 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.

The AF is addressing range shortcomings through modernization and recapitalization efforts under the SLRS program, also known as the Launch and Test Range System (LTRS) program. Modernization meets documented requirements for a standardized and automated spacelift range system to support the evolving launch mission. Recapitalization replaces deficient, obsolete and difficult to sustain equipment with more efficient and reliable equipment. Together these efforts improve range responsiveness to launch demands, enhance range safety, standardize logistics support and reduce operations and maintenance costs. Funding for the associated RDT&E efforts is in Budget Activity 7, Operational Systems Development, PE 0305182F, Project 674137.

The AF is implementing range modernization and recapitalization through two contracts. First, the Range Standardization and Automation (RSA) Phase IIA contract modernizes range control/display and communication systems. Second, the Spacelift Range System Contract (SLRSC) modernizes range instrumentation and executes proactive recapitalization projects to replace hardware no longer efficient or sustainable. Recapitalization efforts identified herein are representative of the projects to be pursued during execution years. Changing operational requirements and priorities, along with reliability, maintainability and availability (RMA) status, will determine the final projects to be pursued each year. Following are details of the FY07 program:

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACELIFT RANGE SYSTEM SPACE

Description (continued):

1. RANGE STANDARDIZATION and AUTOMATION Phase IIA: The RSA Phase IIA contract modernizes the control/display and communications segments to include: planning and scheduling, flight safety, digital telemetry, communications and weather equipment. The Air Force restructured the contract and added funding to complete these priority efforts. FY07 funds pay for integration, testing and refinements to meet operational acceptance requirements for planning and scheduling, flight safety, communications and weather systems as well as Interim Contractor Support.

2. SPACELIFT RANGE SYSTEM CONTRACT: The SLRSC modernizes range instrumentation and implements proactive recapitalization efforts. It procures and integrates instrumentation components with associated test and interface equipment, downrange local control, and follow-on control/display and communications systems. Also, it executes increasing numbers of recapitalization projects to fix equipment deficiencies, replace aging equipment, control obsolescence, reduce reliance on diminishing manufacturing resources, eliminate single points of failure and reduce support costs. The recapitalization projects are based on collection and analysis of RMA data, prioritization of deficiencies by the range operators and conformance with the SLRS architecture to achieve the best overall return on investment.

a. MODERNIZATION EQUIPMENT: FY07 modernization funds procure the test, interface and control equipment necessary to link instrumentation to the network segment and the control & display segment to implement the SLRS architecture; this includes activation of the Western Range Operations Control Center. FY07 funds pay for the shut down of legacy systems under both contracts. Additionally, funds pay for Interim Supply Support (ISS), which includes support services, the spares transition package, any required reprocurement data and transition common spares.

b. RECAPITALIZATION: FY07 funds pay for recapitalization projects to include: replacement and upgrade of radar site computers; replacement of lead air-filled cables; replacement of radar antenna feeds; upgrades of data transfer systems; upgrades of weather instrumentation; replacement of lightning warning system; elimination of command communications single points of failure; elimination of command system controller single point of failure; provision of interlock of legacy count systems and upgrade of local video distribution system. Additionally, FY07 funds pay for ISS to include: support services, the spares transition package, any required reprocurement data and transition common spares.

3. OTHER PROGRAM SUPPORT:

a. PROGRAM SUPPORT: FY07 funds support System Program Office activities to include, but not limited to: engineering, cost estimating, contract reconciliation, configuration management, information technology support and other related program support.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACELIFT RANGE SYSTEM SPACE

Description (continued):

b. NATIONAL RANGE HF (RADIO) SUSTAINMENT: No FY07 funding requested.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
SPACELIFT RANGE SYSTEM SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SPACELIFT RANGE SYSTEM SPACE													
RSA PHASE IIA							{$41,655}			{$19,680}			{$18,866}
MODERNIZATION EQUIPMENT	A						$19,021			$10,969			$7,462
INTERIM CONTRACTOR SUPPORT							$22,300			$8,331			$11,404
INITIAL SUPPLY SUPPORT							$334			$380			
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)							{$42,791}			{$68,202}			{$84,027}
MODERNIZATION EQUIPMENT	A						$4,800			$22,891			$18,229
RECAPITALIZATION							$31,391			$38,951			$55,971
INITIAL SUPPLY SUPPORT										$3,080			$3,737
RECAP INITIAL SUPPLY SUPPORT							$6,600			$3,280			$6,090
PROGRAM SUPPORT							$13,665			$18,660			$17,557

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACELIFT RANGE SYSTEM SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
NATIONAL RANGE HF (RADIO) SUSTAINMENT	A						$3,500						
TOTALS:							$101,611			$106,542			$120,450

Remarks:

Total Cost information is in thousands of dollars.

There are multiple Program Support contracts of various types with several contractors in each FY. Award dates and first delivery dates represent the first of several in each FY.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)										DATE: FEBRUARY 2006
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(1-3)										
RSA PHASE IIA(1-2)										
MODERNIZATION EQUIPMENT										
FY2005(1-2)			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/ SANTA MARIA, CA	Oct-04	Dec-04			
FY2006(1-2)			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/ SANTA MARIA, CA	Oct-05	Dec-05			
FY2007(1-2)			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/ SANTA MARIA, CA	Oct-06	Dec-06	Yes		
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)										
MODERNIZATION EQUIPMENT										
FY2005(1,3)			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/ CAPE CANAVERAL, FL	Oct-04	Feb-05			
FY2006(1,3)			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/ CAPE CANAVERAL, FL	Oct-05	Feb-06			
FY2007(1,3)			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/ CAPE CANAVERAL, FL	Oct-06	Feb-07	Yes		
NATIONAL RANGE HF (RADIO) SUSTAINMENT										
FY2005			AFMC/OC-ALC	DO/FFP	ROCKWELL COLLINS/ RICHARDSON, TX	Sep-05	Jun-06			
Remarks:										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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

(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.
(2) RSA Phase IIA contract, awarded in Nov 95 to Lockheed Martin, Santa Maria, CA, includes options for: hardware procurement; integration, testing, and refinement for operational acceptance; and interim contractor and supply support activities. These options run through FY08.
(3) SRLSC, 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.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$18,572	$28,323	$75,846	$128,150	$58,144	$65,827	$134,466

Description:

Military Satellite Communications (MILSATCOM) joint-service systems collectively provide a broad range of satellite communication capabilities, including secure, jam-resistant, 24-hour worldwide communications to meet essential strategic, tactical and general-purpose operational requirements. MILSATCOM Terminals support communications requirements for the President and Secretary of Defense, unified and specified combatant commanders, uniformed services and defense agencies. Refer to Research, Development, Test, & Evaluation (RDT&E) Budget Justification Exhibits for Program Element 0303601F for more information on terminal development efforts, except where otherwise noted.

1. SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINALS (SMART-T) UPGRADE: SMART-T is a ground fixed and mobile Extremely High Frequency (EHF) terminal providing ten times more survivable, jam-resistant, worldwide, continuous secure communications supporting tactical warfighters. Provides Advanced EHF upgrades to twenty-six (26) terminals originally procured in FY99-01. FY07 funds system engineering and program support.

2. SUPER HIGH FREQUENCY (SHF) TERMINALS: SHF terminals operate over the Defense Satellite Communications System (DSCS) and Wideband Gapfiller Satellite (WGS) system to support the command and control requirements of unified and specified Combatant Commanders and the connectivity requirements of the President, Secretary of Defense, State Department, US strategic and tactical forces, the North Atlantic Treaty Organization (NATO), and United Kingdom Skynet network. The AF is responsible for providing facilities and procuring terminal equipment for selected locations that form part of the ground segment for large terminals. FY07 funds will be used to install two radomes (one on Ascension Island and one at Oakhanger, UK), movement of a terminal and antenna at Ascension Island, and move new terminals to Ascension. Additionally, FY07 funds procure equipment to modernize wideband terminals, Jam-Resistant Secure Communications (network provides jam-resistant, secure, nuclear-effects-protected MILSATCOM connectivity between selected Department of Defense (DoD) facilities, the President, Secretary of Defense and nuclear Combatant Commanders) subnet, sensor sites and DSCS hub station and leverage WGS capabilities and interoperability with the Army, Navy, AF and State Department. Equipment procurement includes ground terminal modernization kits, fiber optic modems, patch panels, timing sources, interconnect facility links and equipment facilities.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

Description (continued):

3. GLOBAL BROADCAST SERVICE (GBS): This AF-led joint program implements a worldwide high-capacity satellite broadcast information system to provide a continuous, one-way, high-speed, high-volume flow of classified and unclassified data and imagery to garrisoned, deployed or moving forces. GBS reduces DoD reliance on costly leased commercial satellite communications. GBS Receive Suites, Satellite Broadcast Managers and Theater Injection Points provide lower-echelon AF users with efficient high-data-rate in-theater and reachback connectivity to many distributed information sources via satellite-hosted GBS packages. See also the RDT&E Budget Item Justification Exhibit for Program Element 0603840F.

a. GBS RECEIVE SUITES: The receive suites link users to information sources via GBS, offering near-worldwide service. FY07 funds systems engineering and program support.

b. THEATER INJECTION POINTS (TIP): No FY07 funding requested.

c. WIDEBAND GAPFILLER SATELLITE (WGS) TRANSMIT SUITE: No FY07 funding requested.

4. GROUND MULTIBAND TERMINAL (GMT): GMT terminals support warfighter tactical communications requirements utilizing WGS, DSCS and commercial satellite systems. The GMT provides the warfighter with flexible, lightweight, modular, scalable and integrated tactical quad-band SATCOM terminals operating in X, C, Ku and military KA-band frequencies. The GMT replaces increasingly unsupportable Ground Mobile Force (GMF) terminals that are reaching end of life. Funds procure GMTs and Tri-band Transportable Large Aperture Antennas (LAA). FY07 funds full-rate production of nineteen GMT terminals, system engineering and program support.

5. COMMAND and CONTROL SYSTEM - CONSOLIDATED (CCS-C): No FY07 funding requested.

6. MILSATCOM SUSTAINMENT MODIFICATIONS: Provides minor modifications for MILSATCOM systems currently in sustainment and those currently fielding. FY07 funds procure a tape drive, printer and interface for the MILSTAR Satellite Mission Control System.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
1. SMART-T													{$600}
PROGRAM SUPPORT													$299
SYSTEM ENGINEERING													$301
2. SHF TERMINALS							{$3,342}			{$3,244}			{$9,040}
SHF/JRSC	A						$3,342			$3,244			$9,040
3. GBS							{$10,850}			{$14,485}			{$529}
A. GBS RECEIVE SUITES							{$1,015}			{$14,485}			{$529}
RECEIVE SUITES	A						$719			$11,636			
INTEGRATION & INSTALLATION							$296			$1,157			
SYSTEM ENGINEERING										$1,082			$308
PROGRAM SUPPORT										$610			$221
B. TIPS	A						$9,835						

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
MILSATCOM SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
4. GROUND MULTIBAND TERMINALS							{$1,052}			{$10,060}			{$65,422}
GROUND TERMINALS	B						$142			$7,961			$63,129
SYSTEM ENGINEERING							$500			$1,418			$1,130
PROGRAM SUPPORT							$410			$681			$1,163
5. CCS-C							{$3,328}			{$286}			
HARDWARE/SOFTWARE STRINGS	A						$3,328			$286			
6. MILSATCOM SUSTAINMENT MODIFICATIONS										{$248}			{$255}
MILSTAR SCMS MODS	A									$248			$255
TOTALS:							$18,572			$28,323			$75,846

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
2. SHF TERMINALS									
SHF/JRSC									
FY2005(1)			AFMC/ESC	MIPR/C/FFP	MULTIPLE	Dec-04	Feb-05		
FY2006(1)			AFMC/ESC	MIPR/C/FFP	MULTIPLE	Mar-06	May-06	Yes	
FY2007(1)			AFMC/ESC	MIPR/C/FFP	MULTIPLE	Mar-07	May-07	Yes	
3. GBS									
A. GBS RECEIVE SUITES									
RECEIVE SUITES									
FY2005(2-3)			AFMC/ESC	OPT/FFP	RAYTHEON/ RESTON, VA	Mar-05	Sep-05		
FY2006(2-3)			AFMC/ESC	C/FFP W/OPT	UNKNOWN	May-06	Nov-06	Yes	
B. TIPS									
FY2005			AFMC/ESC	MIPR/OPT/FFP	RAYTHEON/ RESTON, VA	Mar-05	Apr-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
4. GROUND MULTIBAND TERMINALS									
GROUND TERMINALS									
FY2005			AFMC/ESC	MIPR/FFP	ARMY/ FT. MONMOUTH/ NJ	Jun-05	Jun-05		
FY2006(4)			AFMC/ESC	C/FFP W/OPT	UNKNOWN	Mar-06	Nov-06	Yes	
FY2007(4)			AFMC/ESC	OPT/FFP	UNKNOWN	Mar-07	Sep-07	Yes	
5. CCS-C									
HARDWARE/SOFTWARE STRINGS									
FY2005(5)			AFSPC/SMC	OPT/FFP	INTEGRAL SYS INC./ LANHAM, MD	Nov-04	Nov-04		
FY2006(5)			AFSPC/SMC	OPT/FFP	INTEGRAL SYS INC./ LANHAM, MD	Nov-05	Apr-06		
6. MILSATCOM SUSTAINMENT MODIFICATIONS									
MILSTAR SCMS MODS									
FY2006			AFSPC/SMC	SS/FFP	LOCKHEED MARTIN/ SUNNYVALE, CA	Feb-06	May-07		
FY2007			AFSPC/SMC	SS/FFP	LOCKHEED MARTIN/ SUNNYVALE, CA	Feb-07	May-08	Yes	

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** MILSATCOM SPACE

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL

(1) Multiple contractors through multiple government agencies (GSA, DLA, NSA, Army CECOM, or individual bases depending on requirements) with multiple contract award/delivery dates. Award/delivery dates reflect first award and delivery dates.
(2) Base contract awarded in Nov 97 (8 option years).
(3) Unit costs vary because of different types/configurations of equipment being used.
(4) Base contract will be awarded in 2006. Options anticipated, but quantity not determined.
(5) Base contract awarded in Mar 02 (8 option years)

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$12,963	$24,727	$25,153	$26,155	$14,098	$23,218	$82,858

Description:

Space Mods Space enables the development of advanced Command and Control (C2) Battle Management, Intelligence Surveillance and Reconnaissance (ISR), and Command, Control, Communications, Computers, and Intelligence (C4I) systems to conduct effective predictive battle space awareness, facilitate precision attack, and compress the sensor-to-shooter kill chain. Permanent modifications are configuration changes to in-service systems and equipment that correct materiel or other deficiencies, or that add or delete capability. Safety modifications correct deficiencies that produce hazards to personnel, systems, or equipment. This budget line covers both new and on-going modification efforts for space equipment and systems. Modification installation funding is budgeted in the year the installation occurs.

1. NAVSTAR GLOBAL POSITIONING SYSTEM (GPS): The Navstar GPS provides highly accurate time and three-dimensional position and velocity information to an unlimited number of users anywhere on or above the surface of the earth, in any weather. This system supplies highly accurate position, velocity, timing, and Nuclear Detonation (NUDET) Detection System (NDS) information to properly equipped air, land, sea, and space-based users worldwide. The GPS system consists of three segments: Space Segment, Control Segment, and the User Segment installed in military platforms. The Operational Control System (OCS) is part of the control segment and requires modifications to replace high failure rate parts and preclude system operational degradation. Without these mods, aging and obsolete equipment will excessively degrade, ultimately resulting in system failure. System failure or even partial system failure will cause a loss of operational availability and the transmission of inaccurate navigation data to worldwide users, resulting in potential loss of life and/or operational equipment, including multi-million dollar satellites. Development funding for Navstar GPS is in Program Element 0305165F, GPS Space & Control.

a. BLACK SHELTER EQUIPMENT UPGRADE (MOD #S5000102401): No FY07 funding requested.

b. OCS V6 SITE MODIFICATION (Satellite-Based Navigation Accuracy Performance Model (SNAPM)/Selective Availability Anti-Spoofing Module (SAASM)): No FY07 funding requested.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

Description (continued):

c. MONITOR STATION ENVIRONMENTAL SENSOR (MOD #S5005219609): No FY07 funding requested.

d. MONITOR STATION (MS) ANTENNA REPLACEMENT (MOD #S1100416101): No FY07 funding requested.

e. OCS COTS UPGRADE: This modification procures replacement of existing GPS OCS commercial equipment that has become obsolete/unsupportable. FY07 funds upgrade all Commercial Off-the-Shelf (COTS) workstations and associated software products that no longer receive vendor support and are otherwise being replaced with new products.

f. RADOME REPLACEMENT: This modification replaces GPS Radomes that were installed at Cape Canaveral, FL, Ascension Island, Kwajalein, and Diego Garcia in 1981 and 1982. The design life for the GPS Radome is 20 years and varies depending on geographic location and weather conditions. All radomes were completely stripped, caulked and painted in 2000 and Depot Inspectors stated the radomes were in reasonably good condition, but should be replaced starting in 2006. GPS Radomes have exceeded their 20-year design life and high winds associated with storms may cause radome damage resulting in limited ground antenna operation or complete failure. Risk of radome panel failure will increase to an unacceptable level beginning in 2006 and will also reduce GPS ground antenna reliability. FY07 funds replacement and installation of radomes.

2. 474N SEA-LAUNCHED BALLISTIC MISSILE (SLBM) DETECTION AND WARNING SYSTEM: The 474N SLBM Detection and Warning System consists of the AN/FPQ-16 Perimeter Acquisition Radar Attack Characterization System (PARCS) and the AN/FPS-123 PAVE PAWS System (Phased Array Radars for SLBM Detection and Warning System). The primary mission is to provide the Cheyenne Mountain Complex (CMC), CO, with credible tactical warning/attack assessment (TW/AA) data on all SLBMs penetrating the coverage area. This data includes an estimation of launch and impact locations and times. The secondary mission is to provide the CMC and other users with TW/AA data on Inter-Continental Ballistic Missiles (ICBMs) penetrating the coverage area. Additionally, PAVE PAWS and PARCS support the Space Situational Awareness mission by providing space vehicle surveillance, tracking, and identification as required by the Space Control Center, Alternate Space Control Center, and the Joint Intelligence Center. The sensors have an operational availability requirement of 98 percent.

AN/FPQ-16 PERIMETER ACQUISITION RADAR ATTACK CHARACTERIZATION SYSTEM (PARCS): The AN/FPQ-16 Radar Sensor and the AN/FSQ-100 Data Processing System (DPS) are the two major subsystems which comprise the PARCS system at Cavalier Air Station (AS), ND. The PARCS is a

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

Description (continued):

single faced, long-range phased array radar whose primary mission is to provide tactical warning and assessment of SLBM and ICBM attack against North America. This one-of-a-kind system was originally developed in the early 1970's, and has operated continuously since 1977.

a. PARCS EVOLUTIONARY MODERNIZATION: The FY07 PARCS Evolutionary Modernization program consists of modifications that replace unsupportable and unreliable system components. PARCS equipment is composed of unique, custom-built components that became obsolete in the early 1980s. Most spare parts for this equipment are no longer available. Without these modifications, there is a high risk that equipment failures will cause unacceptable mission downtime in order to trouble shoot and craft the repair, to establish a new source of supply and repair, or to re-engineer replacement parts. FY07 funds the RePLACE project and Data Transmission Controller project. FY07 also funds the replacement of the frequency tests sets with engineering and production of the low frequency test set.

(1) Data Transmission Controller, Mod #S532491: No FY07 funding Requested
(2) Mission Software Emulator (RePLACE), Mod #10MS-03-003
(3) Frequency Test Set, Modifications

3. AIR FORCE SPACE SURVEILLANCE SYSTEM (AFSSS): The AFSSS includes both the Air Force Space Surveillance Fence and Alternate Space Control Center (ASCC). The AFSSS is a segment of the Space Surveillance Network (SSN) which was transferred from the Navy to the Air Force in FY04. The radar generates a radio frequency (RF) "fence" which can detect earth orbiting objects passing through it, out to 15,000 nautical miles. It provides this data to the Space Control Center (SCC) in support of the space surveillance mission. The ASCC serves as the operational backup to the primary SCC in the Cheyenne Mountain Operations Center (CMOC), CO. The AFSSS supports Air Force Space Command (AFSPC) mission responsibilities for cataloging and maintenance of satellite payloads and debris, New Foreign Launch (NFL) orbit determination, and collision avoidance.

a. TRANSMITTER/RECEIVER SUBSYSTEM REFRESH: FY07 funds provide for continuing sustainment of the ASCC and the Fence system, including replacement of transmitter and receiver antenna components, communications controller infrastructure, and server network and storage infrastructure. Funds also provide for receiver power conditioning equipment and receiver timing distribution system refurbishment. Funds also provide for equipment which will extend the service life of the Very High Frequency (VHF) based system until it can be replaced with a new S-Band Fence (S-Band is a more robust system that can transmit more data at higher speeds). Air Force funding represents 50% of the full funding requirement for the S-Band Fence. Additional funding will be supplied by the Navy to satisfy the Full-Funding requirement. The S-Band upgrade provides a radar system operating in the S-band

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

Description (continued):

frequency range to replace the aging AFSSS VHF "Fence" radar that currently performs detection of orbiting space objects. The S-Band upgrade will provide a radar system with a modern architecture that is capable of detecting more (100,000 objects with S-Band vs. 10,000 objects currently) and much smaller objects (approx. 5cm in the future vs. 30cm currently). The S-Band system will operate with greater accuracy and timeliness to meet warfighter objectives as well as provide valuable Space Situational Awareness (SSA) data.

Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
NAVSTAR GPS							{$7,684}			{$13,137}			{$11,954}
BLACK SHELTER EQUIP UPGRADE (MOD #S5000102401)	A						$6,010			$2,842			
OCS V6 SITE MOD	A						$607						
MONITOR STN ENVIRONMENTAL SENSOR (MOD #S5005219609)	A						$1,067						
MS ANTENNA REPLACEMENT	A									$2,842			
OCS COTS UPGRADE	A									$6,564			$9,237
RADOME REPLACEMENT	A									$890			$2,717
474N SEA LAUNCHED BALLISTIC MISSILE (SLBM), DETECTION AND WARNING SYSTEM													
PARCS													
PARCS EVOLUTIONARY MODERNIZATION							{$3,606}			{$6,637}			{$8,494}
DATA TRANSMISSION CONTROLLER, MOD #S532491	A						$907						
MISSION SOFTWARE EMULATOR (REPLACE), MOD #10MS-03-003	A						$2,516			$3,429			$3,585
FREQUENCY TEST SETS, MOD	A									$3,014			$4,909
INTERIM SUPPLY ACTIVITY							$183			$194			

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** SPACE MODS SPACE

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AFSSS EVOLUTIONARY MODERNIZATION							{$1,673}			{$4,953}			{$4,705}
TRANSMITTER/RECEIVER SUBSYSTEM REFRESH	A						$1,673			$4,953			$4,705
TOTALS:							$12,963			$24,727			$25,153

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COUNTERSPACE SYSTEMS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$0	$0	$31,434	$33,905	$26,741	$26,513	$37,179

Description:

Counterspace Systems includes systems to disrupt, deny, degrade or destroy an adversary's space systems or the information they provide (Offensive Counterspace), and active and passive measures to protect U.S. and friendly space-related capabilities from enemy attack or interference (Defensive Counterspace). Current programs are Rapid Attack Identification Detection and Reporting System (RAIDRS), a Defensive Counterspace (DCS) program and Counter Communications System (CCS), an Offensive Counterspace (OCS) program. Developmental RDT&E funding for RAIDRS and CCS is in PE0604421F, Counterspace Systems. FY07 is the first year of funding for this project.

1. The RAIDRS program will perform attack detection, geolocation, reporting, characterization and mission impact assessment for US owned, operated or used space systems. RAIDRS capabilities, in support of the National Security Strategy of the United States, will be procured and deployed in spirals. The first spiral (RS-1) is focused on detecting, characterizing, geolocating and reporting satellite communications (SATCOM) radio frequency interference (RFI) using currently existing Commercial-Off-the-Shelf (COTS) and Government-Off-the-Shelf (GOTS) technology. The event information provided by RS-1 will allow operators to identify possible interference against space capabilities and enable rapid employment of protective responses.

a. FIXED INTERFERENCE DETECTION SYSTEM: Funding in FY07 provides for the production and fielding of three Interference Detection System (IDS) sensors to detect, characterize and report SATCOM RFI. The IDS sensors have a unique configuration, depending on the protected frequency band, and are installed at various sites to maximize global coverage.

b. FIXED INTERFERENCE DETECTION/GEOLOCATION SYSTEM: Funding in FY07 provides for the production and fielding of two Interference Detection/Geo-location Systems (IDS/GLS), consisting of large aperture ground antennas and associated sensors to determine the source of and report SATCOM RFI. Each fixed IDS/GLS is installed at a different site to maximize global coverage.

c. DEPLOYABLE INTERFERENCE DETECTION/GEOLOCATION SYSTEM: Funding in FY07 provides for the production and fielding of a single

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COUNTERSPACE SYSTEMS

Description (continued):

transportable antenna and sensor system for augmenting interference detection and geolocation when necessary in support of combatant commander needs. The base system provides interference detection only; however, it can be upgraded to provide geolocation capability as well.

d. SITE ACTIVATION. Funding in FY07 provides for engineering activities at the fixed IDS and GLS locations and RAIDRS system engineering.

2. The Counter Communications System (CCS) program will prevent adversaries from employing satellite communications against the United States and its allies. CCS is a ground-based transportable radio frequency (RF) jammer that interferes with adversary command and control (C2) and propaganda transmitted via satellite.

a. CCS UPGRADES: Funding in FY07 provides for the production, integration and fielding of a second aperture and associated equipment in order to increase the capability of one of our fielded CCS that was developed during the RDT&E process.

b. BLOCK 10 CCS: Funding in FY07 provides for the production and fielding of two Block 10 CCSs.

Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
COUNTERSPACE SYSTEMS

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
RAPID ATTACK IDENTIFICATION DETECTION AND REPORTING SYSTEM													{$17,131}
FIXED INTERFERENCE DETECTION	B												$718
FIXED INTERFERENCE DETECTION/GEOLOCATION SYSTEMS	B												$11,803
DEPLOYABLE INTERFERENCE DETECTION/GEOLOCATION SYSTEM	B												$2,704
SITE ACTIVATION (1)													$1,906
COUNTER COMMUNICATIONS SYSTEM													{$14,303}
COUNTER COMMUNICATIONS SYSTEM UPGRADES	A												$2,747
BLOCK 10 COUNTER COMMUNICATIONS SYSTEM	B												$11,556
TOTALS:													$31,434

Remarks:
Total Cost information is in thousands of dollars.

(1) Site locations will be activated for the fixed Geo-location systems and fixed interference detection systems. Each site will require varied multiple contracts, depending on location and facilities available at each. Quantity/unit costs vary depending on site configuration.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COUNTERSPACE 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
RAPID ATTACK IDENTIFICATION DETECTION AND REPORTING SYSTEM									
FIXED INTERFERENCE DETECTION									
FY2007(1)			AFMC/SMC	OPT/CPAF	INTEGRAL SYSTEMS INC/ LANHAM, MD	Apr-07	Oct-08	No	Jun-06
FIXED INTERFERENCE DETECTION/GEOLOCATION SYSTEMS									
FY2007(1)			AFSPC/SMC	OPT/CPAF	INTEGRAL SYSTEMS INC/ LANHAM, MD	Apr-07	Jul-08	No	Jun-06
DEPLOYABLE INTERFERENCE DETECTION/GEOLOCATION SYSTEM									
FY2007(1)			AFSPC/SMC	OPT/CPAF	INTEGRAL SYSTEMS INC/ LANHAM, MD	Apr-07	Jul-08	No	Jun-06
COUNTER COMMUNICATIONS SYSTEM									
COUNTER COMMUNICATIONS SYSTEM UPGRADES									
FY2007			AFSPC/SMC	SS/CPAF	HARRIS CORPORATION/ MELBOURNE, FL	Nov-06	Nov-07	Yes	
BLOCK 10 COUNTER COMMUNICATIONS SYSTEM									
FY2007			AFSPC/SMC	SS/CPAF	HARRIS CORPORATION/ MELBOURNE, FL	Dec-06	Dec-07	Yes	

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COUNTERSPACE 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

(1) Basic contract awarded Feb 05 with 3 option years to Integral Systems Inc., Lanham, MD.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$146,710	$127,369	$147,658	$320,398	$412,512	$372,518	$447,820

Description:

The Tactical Communications-Electronics (C-E) equipment procurement program acquires essential Command, Control, Communications and Computer (C4) systems and program office support to satisfy requirements for Air Combat Command (ACC), Air Mobility Command (AMC), United States Air Forces in Europe (USAFE), Pacific Air Forces (PACAF), Air Force Special Operations Command (AFSOC), Air Force Reserve Command (AFRC) and the Air National Guard (ANG). These funds also replace or upgrade logistically unsupportable communications systems fielded in the Ground Theater Air Control System (GTACS) and combat communications units and procure the next generation of lightweight tactical communications equipment supporting worldwide flying operations.

1. THEATER-DEPLOYABLE COMMUNICATIONS (TDC) PROGRAM: TDC is a critical component of the deployed communications architecture throughout OPERATION ENDURING FREEDOM (OEF) and OPERATION IRAQI FREEDOM (OIF), performing with unprecedented success by providing common-user C4 and information capabilities in a bare-base environment. The TDC program provides telephone/computer networking services to deployed Air Force units. TDC supports a wide range of mission areas and users. For both AMC and AFSOC, TDC provides combat communications capability critical to support Aerospace Expeditionary Force (AEF) operations. In addition, TDC supports joint operations through its link into the joint tactical communications architecture. TDC plays a major role in the successful implementation of the Global Broadcast Service (GBS) to disseminate timely intelligence information to the warfighter. TDC supports the ground dissemination of GBS information. TDC is not dependent on any other program, but interfaces with Army/Marine Corps tactical communications programs (joint interoperability), Standardized Tactical Entry Point (STEP)/Teleport programs (joint interoperability) and Wideband Gapfiller Satcom/Ground Multiband Terminal (GMT) (interoperability).

TDC is composed of three components: Hub and Spoke Satellite Terminals, Integrated Communications Access Packages (ICAP) and Network Control Centers - Deployed (NCC-D). Together, these three systems provide the communications infrastructure for deployed, austere and bare base operational areas. TDC connects all levels of users, from individual bases up to the President and Secretary of Defense, using various C4 and Intelligence (C4I) applications and the World Wide Web. TDC funding supports Expeditionary Communications Packages Air Operations Centers (AOCs), which enables

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

the Joint Force Air Component Commander (JFACC) to exercise Command and Control (C2) of aerospace forces in support of the Joint Force Commander's (JFC) campaign plan, Air Support Operations Centers (ASOCs) and Control and Reporting Center/Deployed Radar (CRC/DR), as well as expeditionary and robusting units of the AEF. TDC is modular and adaptable, capable of supporting the war effort from deployment on day one to the buildup of a fully operational base. The program utilizes a continuous spiral process to upgrade fielded systems with updated communications capabilities and technologies to take advantage of commercial upgrades to meet evolving user requirements. TDC is an active participant in the Global War on Terror (GWOT); equipment is used extensively in support of both OEF and OIF. TDC equipment was also deployed to support relief efforts for both Hurricanes Katrina and Rita. FY07 funding provides for the procurements described in subparagraphs below.

a. HUB AND SPOKE SATELLITE TERMINALS: Satellite terminals provide two-way communications connectivity between deployed bases and command authorities at other locations. These terminals augment existing limited X-Band (Super High Frequency (SHF)) bandwidth by taking advantage of commercial satellite resources; this alleviates many operational problems due to military X-band channel capacity limitations. The relatively small size of these terminals significantly reduce airlift requirements and increase efficiency of deployment operations. Funding includes implementation of a spiral upgrade process to incorporate new communications technologies and capabilities into the baseline. FY07 funds procure terminals and direct mission support.

b. INTEGRATED COMMUNICATIONS ACCESS PACKAGE (ICAP): The ICAP program provides modular and scalable packages of hubs/routers, switches, multiplexers, on-base communications (lasers and microwave radios), cryptographic and timing equipment, secure voice conferencing and secure and nonsecure telephones. ICAP packages also include other accessories and configuration kits required to establish and maintain the deployed base infrastructure forming the communications backbone for a deployed base. Users plug their computer, telephones and fax machines into the backbone provided by ICAP, which is optimized for superior bandwidth efficiency, adaptability and airlift. ICAP employs "smart multiplexers," allowing sequencing of several messages over a single line, versus the multiple dedicated lines used in the legacy system. Additionally, ICAP packages come in multiple configurations that are scalable based on the size of the operational area and population. This allows for greater flexibility to meet different contingency operations. As subsequent airlift becomes available, additional packages can be added, building up to a full size, robust package. Funding includes implementation of a spiral upgrade/replacement process to incorporate new communications technologies and capabilities into the baseline. FY07 funds procure ICAP and direct mission support.

c. NETWORK CONTROL CENTER - DEPLOYED (NCC-D): NCC-D, formerly known as Network Management System/Base Information

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

Protection (NMS/BIP), provides the same network management/information protection and network planning capabilities for deployed operations that exist on fixed bases. Specific functions include data management, intrusion detection and firewall capabilities for both the classified and unclassified networks. All equipment is packaged in transit cases for deployed operations. Funding includes implementation of a spiral upgrade process to incorporate new communications technologies and capabilities into the baseline. FY07 funds procure NCC-D equipment and direct mission support.

2. TACTICAL AIR CONTROL PARTY MODERNIZATION (TACP-M): Development funds associated with this program are located in PE 0207423F. The TACP-M program enhances the ability of TACPs and ASOCs to interface with joint and multinational forces by replacing aging voice and digital communications and information systems equipment utilized by ACC, USAFE, PACAF and ANG TACPs and ASOCs. TACPs and ASOCs deploy with Army transformation maneuver units and provide the command and control link for Close Air Support (CAS), airlift and Air Force (AF) surveillance / reconnaissance missions. TACP-M provides TACP and ASOC personnel with the capability to precisely locate and target enemy ground forces by integrating various Laser Targeting Devices; ultra high frequency satellite communications (UHF SATCOM) for Beyond-Line-of Sight (BLOS) joint Air Request Net (JARN) operations; ruggedized computers with embedded Global Positions System (GPS) receivers; modular ASOC workstations, network servers and power / environmental control systems and mission software with situation awareness mapping / imagery displays, data link transmission capabilities, process automation and interoperability with Army C2 systems. With modernization, TACPs and ASOCs will be more interoperable with the new Army transformation modular forces and net-centric operations, speed up and improve accuracy of CAS requests, improve operational effectiveness, and reduce the risk of fratricide. Remote Operations Video Enhanced Receiver (ROVER) III receivers will allow attack aircraft with targeting pods and Unmanned Aerial Vehicles (UAVs) equipped with ROVER transmitters to transmit streaming video to TACP personnel supporting commanders of new modular Army units. The TACP-M program is an active participant in the GWOT and continues to significantly increase the mission effectiveness of the TACPs and ASOCs during OEF and OIF. In addition, TACP communications suites were deployed to support Gulf Coast humanitarian relief efforts in the wake of Hurricanes Katrina and Rita. ROVER III video receivers were used to identify numerous stranded survivors and direct the movement of rescue teams.

The TACP / ASOC weapon system is comprised of four main components. The components listed below and depicted on Exhibit P-5 are representative of the types of Tactical C-E equipment required to provide TACP mission-critical capabilities and maintain operations effectiveness. Due to active TACP participation in GWOT and direct GWOT impact on user priorities, components procured during program execution may change to support user demand and mission-critical needs. Prime mission equipment is as follows:

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

a. LASER TARGETING DEVICES: Laser range finders provide the capability to detect targets and compute precise target coordinates for employment of GPS aided weapons, Joint Direct Attack Munition (JDAM) and small diameter bomb and to reuce incidents of fratricide. Laser designators give TACP personnel the capability to guide laser guided munitions to precise target locations. The Air Force is participating in the Joint Requirements Oversight Council (JROC)-approved Joint Effects Target System (JETS) program that includes development and procurement of new handheld target location designation system (TLDS) laser devices for use by joint terminal attack controllers and artillery forward observers to improve target acquisition during all weather conditions.

b. COMPUTERS: Ruggedized computers with GPS functionality and information software provide Line-of-Sight (LOS) and Beyond-Line-of-Sight (BLOS) digital communications with C2 nodes and attack aircraft, data link gateway functionality, terrain maps and imagery, Blue Force Situation Awareness (BFSA) displays and interoperability with Army systems in the battlefield environment. New modular ASOC computers, work stations, network servers and power/environmental control systems facilitate network connections with AOCs and Army networks that provide air operations data, BFSA information and ground force airspace control measures. The JETS joint target effects coordination system (TECS) will procure computers and software capable of interoperable digital communications between the joint Services' various C2 systems, thus enabling network-centric operations in the battlespace.

c. MANPACK/HANDHELD RADIOS: These multiband radios are capable of providing the required LOS and BLOS digital communications connectivity needed to perform the TACP mission and reduce the weight of equipment carried by dismounted TACP. Currently fielded radios provide basic digital communications, but fall short of full network-centric operations due to narrow bandwidths and relatively slow data transfer rates. TACP/ASOC manpack handheld radio capabilities will migrate to JTRS-compliant systems or other emerging technologies as they become available.

d. TACP VEHICULAR COMMUNICATIONS SYSTEMS (VCS): Funds provide multiple radios, ROVER III receivers and computers with software, ancillary equipment and system integration for the TACP VCS. FY07 funds procure an interim VCS based on currently fielded radios to provide data link gateway capabilities for joint CAS operations on the digitized battlefield. It also procures Air Force TACP communications suites for installation in Army Stryker armored vehicles designated for TACP use with Stryker Brigade Combat Teams (SBCT). The TACP-M program will provide an interim VCS using legacy technology, which will migrate to JTRS-compliant radios or other emerging technologies as they become available. FY07 funds also procure ROVER III capabilities (i.e. radio receivers, ancillary equipment and integration).

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

3. TACTICAL RADIO SYSTEMS/JTRS: The Joint Tactical Radio System (JTRS) will be a family of software programmable tactical radios tied to satellite communications that provide voice, data, and video communications for mobile military users in the air, on the ground and on the sea. Common radio architecture and programmable software waveforms will provide joint interoperability for the services. The JTRS program is built around an open system Software Communications Architecture, a critical set of rules that make software programmable radios function properly and ensure interoperability.

In 2005, the Department of Defense established the Joint Program Executive Office (JPEO). As such, the JPEO has full directive authority for all JTRS research, development, testing, and evaluating of waveform, radio, common ancillary, network management, and associated software. Under the new JPEO acquisition strategy, an incremental approach has been adopted with schedules based on technology readiness. With this new acquisition plan, if JTRS terminals are not available in the timelines required to support immediate military requirements and the GWOT, the AF will purchase interim radios to meet critical and immediate operational requirements.

The AF-established acquisition program office is developing JTRS procurement strategies to meet AF warfighter requirements for tactical communications (e.g., vehicular, handheld, manpack/dismounted, fixed stations) by collaborating with AFC2ISRC, ACC, JPEO JTRS and other services' JTRS program offices. This program supports procurement of prime mission equipment listed below and will field tactical communications capabilities using legacy radios or other existing technologies to fulfill immediate combat communication unit requirements and worldwide flying operations until JTRS become available. FY07 funds will procure handheld radios providing 1-channel and 2 channel for AF ground users.

4. BATTLEFIELD AIR OPERATIONS KIT (BAO Kit): Provides state-of-the-art Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance (C4ISR) suite for AFSOC surface combatants. Includes lasers for marking, range finding and target designation, low-light and thermal optics, micro Unmanned Aerial Vehicles (UAVs) universal power supply, self-healing networks, and machine-to-machine targeting. All items are light, compact and portable for use by dismounted Battlefield Airmen.

The BAO Kit is comprised of six main components. The components listed below and depicted on Exhibit P-5 are representative of the types of Tactical C-E equipment required to provide Combat Controller (CCT) mission-critical capabilities and maintain operational effectiveness. Due to Special Tactics active participation in the GWOT and GWOT's direct impact on user priorities, components procured during program execution may change to support user demand and mission-critical needs. Prime mission equipment is as follows:

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

a. LASER INTEGRATED TARGET ENGAGEMENT SYSTEM (LITES): No FY07 funding requested.

b. BATTLEFIELD RENEWABLE INTEGRATED TACTICAL ENERGY SYSTEM (BRITES): No FY07 funding requested.

c. BATTLEFIELD AIR TARGETING - CAMERA AUTONOMOUS MICRO-AIR VEHICLE (BATCAM): Provides an expendable asset that can operate covertly to navigate, sense, map, reconnoiter and ultimately attack targets from behind enemy lines. BATCAM allows the Special Tactics Battlefield Airmen to rapidly adapt to the dynamic war-fighting environment of the GWOT. The BATCAM capability provides increased situational awareness in combat environments, enables ground-based Terminal Attack Controllers (TAC) to find and track time-critical targets, provides bomb damage assessment and force protection for forward-deployed troops. The current BATCAM system is for day use only with the intention of having a thermal infrared (IR) camera by FY07. The BATCAM system is not a replacement vehicle but rather an augmentation of, or complementary addition to, existing systems.

d. BATTLEFIELD AIR TARGETING MANUAL AIDS TO KNOWLEDGE (BATMAN): Provides operator interface between all the machine components through unified visual, auditory and speech software displays that serve to optimize user information portrayal. It also provides integrated communication devices such as TAC Earplug with 3-D audio capabilities to provide range and bearing of threats. In addition, BATMAN provides an interface that allows the ground combatant to rapidly sift through data to make meaningful decisions; integrate and automate fratricide and collateral damage prevention measures; provides optical recognition software to accelerate target identification; make references, graphics, report formats and reach-back assistance available in real-time; provides multi functional visual displays to access the processor and hard drive while on the move and provides integrated panoramic night vision goggles with high-performance laser filters. FY07 is the first year of full production as the program transitions from developmental to operational. Research and development funds are in Program Element 0408011F.

e. SPECIAL OPERATIONS TACTICAL NETWORK (SOFTNET): No FY07 funding requested.

f. MACHINE-TO-MACHINE (M2M) TARGETING AND INTEGRATION: No FY07 funding requested.

FY05, Tactical C-E Equipment received $15.2M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

Description (continued):

FY06, Tactical C-E Equipment received $57,000 in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
TACTICAL C-E EQUIPMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TDC PROGRAM							{$119,351}			{$97,187}			{$45,300}
HUB AND SPOKE SATELLITE TERMINALS	A						$45,631			$14,444			$8,469
INTEGRATED COMMUNICATIONS ACCESS PACKAGE	A						$68,751			$72,443			$29,673
NETWORK CONTROL CENTER-DEPLOYED	A						$4,969			$10,300			$2,658
PROGRAM SUPPORT													$4,500
TACP MODERNIZATION							{$20,423}			{$16,698}			{$58,644}
LASER TARGETING DEVICES	A						$9,953						$12,926
COMPUTERS	A						$4,349			$5,866			$13,573
MANPACK/HANDHELD RADIOS	A									$4,832			$17,021
TACP VEHICULAR COMMUNICATIONS SYSTEMS (VCS)	A									$6,000			$14,124
JTRS VEHICULAR RADIO	A						$6,121						
PROGRAM SUPPORT													$1,000
TACTICAL RADIO SYSTEMS										{$11,404}			{$39,514}
HANDHELD RADIOS	A									$11,404			$36,353

	P-1 ITEM NO		PAGE NO:		
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TACTICAL C-E EQUIPMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
PROGRAM SUPPORT													$3,161
BATTLEFIELD AIR OPERATIONS KIT							{$6,936}			{$2,080}			{$4,200}
LITES	A						$6,936						
BRITES	A									$1,137			
BATCAM	A												$2,424
BATMAN	A												$776
BATMAN SOFTWARE MAINTENANCE										$120			
SOFTNET										$400			
M2M										$423			
PROGRAM SUPPORT													$1,000
TOTALS:							$146,710			$127,369			$147,658

Remarks:
Total Cost information is in thousands of dollars.

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	69		207		

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
TDC PROGRAM									
HUB AND SPOKE SATELLITE TERMINALS									
FY2005(1-2)			AFMC/ESC	MIPR/FFP	NAVY/ MULTIPLE	Jan-05	Jan-06		
FY2006(1-2)			AFMC/ESC	MIPR/FFP	NAVY/ MULTIPLE	Mar-06	Jan-07	Yes	
FY2007(1-2)			AFMC/ESC	MIPR/FFP	NAVY/ MULTIPLE	Jan-07	Jan-08	Yes	
INTEGRATED COMMUNICATIONS ACCESS PACKAGE									
FY2005(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Dec-04	Jun-05		
FY2006(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Mar-06	Jun-06	Yes	
FY2007(1,3)			AFMC/ESC	OPT/FFP	MULTIPLE	Dec-06	Jun-07	Yes	
NETWORK CONTROL CENTER-DEPLOYED									
FY2005(1,4)			AFMC/ESC	OPT/FFP	MULTIPLE	Jan-05	Jul-05		
FY2006(1,4)			AFMC/ESC	OPT/FFP	MULTIPLE	Mar-06	Jul-06	Yes	
FY2007(1,4)			AFMC/ESC	OPT/FFP	MULTIPLE	Jan-07	Jul-07	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
TACP MODERNIZATION									
LASER TARGETING DEVICES									
FY2005(1)			AFMC/ESC	MIPR/FFP	ARMY/ NORTHRUP-GRUMMAN LASER LITTON/ APOPKA, FL	Nov-04	Apr-05		
FY2007(1)			AFMC/ESC	MIPR/FFP	UNKNOWN	Nov-06	Dec-06	Yes	
COMPUTERS									
FY2005(1,5)			AFMC/ESC	C/FFP	MULTIPLE	Jan-05	Mar-05		
FY2006(1,5)			AFMC/ESC	C/FFP	UNKNOWN	Mar-06	Jun-06	Yes	
FY2007(1,5)			AFMC/ESC	C/FFP	UNKNOWN	Nov-06	Jan-07	Yes	
MANPACK/HANDHELD RADIOS									
FY2006(1)			AFMC/ESC	DO/FFP	HARRIS CORP/ ROCHESTER, NY	Nov-05	Dec-05		
FY2007(1)			AFMC/ESC	DO/FFP	HARRIS CORP/ ROCHESTER, NY	Nov-06	Dec-06	Yes	
TACP VEHICULAR COMMUNICATIONS SYSTEMS (VCS)									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006(1)			AFMC/ESC	C/FFP W/OPT	UNKNOWN	Mar-06	Feb-07	Yes	
FY2007(1)			AFMC/ESC	OPT/FFP	UNKNOWN	Mar-07	Jun-07	Yes	
JTRS VEHICULAR RADIO									
FY2005(1)			AFMC/ESC	MIPR/FPIS	ARMY/ ARMY/ BOEING/ ANAHEIM, CA	Mar-05	Oct-06		
TACTICAL RADIO SYSTEMS									
HANDHELD RADIOS									
FY2006(1)			AFMC/ESC	MIPR/FFP	GSA/ UNKNOWN	Jul-06	Apr-07	Yes	
FY2007(1)			AFMC/ESC	MIPR/FFP	GSA/ UNKNOWN	Jul-07	Apr-08	Yes	
BATTLEFIELD AIR OPERATIONS KIT									
LITES									
FY2005(1,6)			AFMC/ASC	OPT/CPFF	OPTICAL AIR DATA SYSTEMS/ MANASSAS, VA	Oct-04	Feb-05		
BRITES									
FY2006(1)			AFMC/ASC	C/CPFF	UNKNOWN	Jun-06	Aug-07	Yes	
BATCAM									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2007(1)			AFMC/ASC	C/CPFF	UNKNOWN	Mar-07	Jan-08	Yes	
BATMAN									
FY2007			AFMC/ASC	C/CPFF	UNKNOWN	Mar-07	Jun-07	Yes	
SOFTNET									
FY2006(1,8)			AFRL	DO/IDIQ	NORTHROP-GRUMMAN	Apr-06	Aug-06	Yes	
M2M									
FY2006(1,7)			AFRL	OPT/CPFF	SRA INTERNATIONAL	Apr-06	Sep-07	Yes	

Remarks:

(1) Quantity and unit cost vary because of different types/configurations being procured.
(2) Satcom hubs and spokes ordered through two contract vehicles: L3 Narda (Navy SPAWAR contract, awarded in FY04; last orders placed in Dec 05; MIPR); and Global Satcom, Gaithersburg, MD, OPT/FFP contract, PCO: AFMC/ESC; contract base year FY05 with ordering window through FY08 for a maximum number of spoke terminals.
(3) Base contract awarded Dec 04 with 4 option years to multiple contractors (Dell Marketing LP, General Dynamics Decision Systems, Northrop Grumman Information Technology-Defense Mission Systems, Northrop Grumman Systems Corp-Denro Systems and Redcom Laboratories Inc).
(4) Base contract was awarded Jul 04 with 4 option years to multiple contractors (Dell Marketing LP, General Dynamics Decision Systems, Northrop Grumman Information Technology-Defense Mission Systems, Northrop Grumman Systems Corp-Denro Systems and Redcom Laboratories Inc).
(5) Multiple contractors through the AFWAY program at HQ SSG/AQH, Gunter AFB, AL, will be used. Examples of these contractors are: Tallahasse Technologies, Tallahassee, FL; TRW, San Antonio, TX; and CDW-G,Vernon Hills, IL.
(6) LITES contract was terminated for the Government's convenience under clause FAR 52.249-6

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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

(7) Task Order contract; base contract was awarded Nov 2003
(8) Base contract was awarded Jun 2003

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMBAT SURVIVOR EVADER LOCATOR

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY		1,053	154	2,446	2,305	2,325	2,353	2,393
COST (in Thousands)		$13,871	$7,109	$27,225	$27,018	$27,244	$27,894	$28,324

Description:

The Combat Survivor Evader Locator (CSEL) joint program, led by the Air Force, replaces existing PRC-90 and PRC-112 survival radios with a new survival radio system utilizing Global Positioning System (GPS), Ultra High Frequency (UHF) satellite communications and the Integrated Broadcast System to quickly locate, authenticate and communicate with isolated personnel. The Air Force is the lead service and Air Combat Command is the lead command for CSEL. Multi-service Operational Test & Evaluation was completed in November 2003 and Air Force Operational Test & Evaluation certified the Block 1 system operationally suitable and effective. In FY06, the Air Force requested Congressional redirection of $17.5M in FY06 from OP, AF to RDT&E funds to be used for the development of Terminal Area Communication and Terminal Area Guidance (TAC/TAG). This re-direct will not adversely affect execution of FY07 funds. Ultimately the Air Force, Army, and Navy will procure approximately 35,000 CSEL radios, including over 17,500 for the Air Force.

1. The CSEL system is comprised of three components: (1) a user segment consisting of a new multifunction, software reprogrammable handheld radio that incorporates military GPS accuracy and security features, (2) a satellite communications segment incorporating four UHF Base Stations co-located with military communications sites to support secure two-way over-the-horizon data messaging, (3) a ground segment featuring a stand-alone rescue center workstation and application software to enable two-way communication to/from isolated personnel and routing of messages.

2. CSEL ancillary equipment includes, but is not limited to, varying quantities of Radio Set Adapters (RSA), mission planning software, batteries, battery chargers, charger adapters, training aids, radio spare kits, and RSA spare kits and a portable CSAR Interrogator Unit (PCIU) enables Terminal Area Communications between CSEL and rescue forces.

FY07 funding procures CSEL radios, ancillary equipment, production engineering and associated support equipment as well as direct mission support. Failure to procure CSEL as expeditiously as possible extends the reliance of aircrews, recovery forces, and isolated personnel on dated survival radio technology.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
COMBAT SURVIVOR EVADER LOCATOR

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
CSEL SYSTEM					1,053		{$13,871}	154		{$7,109}	2,446		{$27,225}
CSEL RADIO (1)	A				1,053		$7,905	154		$1,544	2,446		$16,838
ANCILLIARY EQUIP (2)							$1,943			$148			$3,097
PORTABLE CSAR INTERROGATOR UNIT (3)													$1,480
PRODUCTION ENGINEERING							$550			$869			$1,371
DIRECT MISSION SUPPORT (4)							$3,473			$4,549			$4,440
TOTALS:							$13,871			$7,109			$27,225

Remarks:
Total Cost information is in thousands of dollars.

(1) Unit costs per FY are contingent upon the total radio quantity purchased by all three services.
(2) Ancillary Equipment includes, but is not limited to, varying quantities of Radio Set Adapters (RSA), mission planning software, batteries, battery chargers, charger adapters, training aids, radio spare kits and RSA spare kits. Costs per fiscal year are contingent upon the total quantity purchased.
(3) Portable CSAR Interrogator Unit (PCIU) enables Terminal Area Communications between CSEL and rescue forces. Unit costs are contingent upon the total PCIUs purchased by all three services.
(4) Includes Secret Internet Protocol Router Network, Electronic Proving Ground, Joint Interoperability Test Command, Joint Personnel Recovery Agency, UHF Base Station support and other government & contractor travel/support.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMBAT SURVIVOR EVADER LOCATOR

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
CSEL RADIO									
FY2005	1,053		AFSPC/SMC	SS/FFP	BOEING/ ANAHEIM, CA	Nov-04	Aug-05		
FY2006	154		AFMC/ESC	SS/FFP	BOEING/ ANAHEIM, CA	Mar-06	Nov-06	Yes	
FY2007	2,446		AFMC/ESC	SS/FFP	BOEING/ ANAHEIM, CA	Nov-06	Aug-07	Yes	

Remarks:

Unit costs per fiscal year are contingent upon the total radio quantity purchased by all three services. A reduction in any service's procurement in a given fiscal year increases the unit cost for all radios funded in that year.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** RADIO EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$12,094	$9,357	$7,730	$7,909	$8,104	$15,677	$15,936

Description:

The Radio Equipment element includes the High Frequency Global Communications System (HFGCS), a cost-effective, networked solution for providing near-global communications coverage for both voice and data to aircrews. This element procures new HF radio equipment and supports its integration for the Air Force (AF) at 15 strategically located ground stations around the world. This Command and Control/National Security System (C2/NSS) is the Department of Defense's (DoD's) only high-power, HF C2 network. The Joint Chiefs of Staff (JCS) tasked the AF as the executive agent for this worldwide command and control network. HFGCS is a global C2 network providing Beyond Line Of Sight, interoperable voice and data communications for strategic and tactical forces. HFGCS serves as the primary C2 resource for Air Mobility Command (AMC) cargo and tanker aircraft. The HFGCS program supports Mystic Star (Presidential communications), the United States Air Force's Global HF System, Defense Communications System (DCS) HF Entry, US Navy High Command (HICOM) Network and other US government high-power HF missions. Through the DoD teleport, the HFGCS supports war plans and the daily operational requirements of the following organizations: White House Communications Agency (WHCA); JCS; US Strategic Command (USSTRATCOM); the National Military Command Center with Emergency Action Message distribution; AMC Special Air Mission (SAM) fleet communications; Air Combat Command (ACC); Air Intelligence Agency (AIA); Air Force Space Command (AFSPC); United States Air Forces in Europe (USAFE) and Pacific Air Forces (PACAF). This program also provides radio systems supporting ACC and AF Office of Special Investigations (AFOSI) missions.

1. SCOPE COMMAND HF RADIO STATION REPLACEMENT: The SCOPE Command program (the acquisition program supporting the HFGCS weapons system (PE 0303133)) provides for modernization of selected high-power HFGCS ground radio equipment and supports upgrading the 14 Air Force HF global stations in accordance with the DoD's rightsizing direction with state-of-the-art, commercial-off-the-shelf (COTS) HF radio equipment.

a. NETWORK MODERNIZATION IMPROVEMENTS: FY07 funding supports US Central Command's (CENTCOM's) requirement to improve HF communications in their area of responsibility (AOR). FY07 funding continues the upgrade HF capabilities and supports integration/interface of a new CENTCOM station into the Defense Information Systems Agency's (DISA's) Global Information Grid (GIG), which provides secure, robust, physically

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** RADIO EQUIPMENT

Description (continued):

diverse terrestrial, airborne and space-based transmission paths and information services between our fixed and deployed operating locations. FY07 funds complete procurement of radio equipment, including transmit and receive antennas, install and integrate this station into the global HFGCS network and provide for interface and integration of the weapons system into CENTCOM's Combined Air Operations Center at Al Udied, Qatar. This work finishes the definition, design, installation, integration, and operational testing necessary to implement this capability. To eliminate a single point of failure (identified as part of the post 9/11 mission review) and to meet system survivability needs, an alternate/backup network control station (NCS) is required to ensure uninterrupted operations for this critical C2 system. FY05/06 funds designed and procured the first four phases of NCS-W. FY07 funding provides for a portion of hardware/software and the final step (5a) of the NCS-W's hardware and software procurement and integration of this critical capability into the HFGCS worldwide network.

b. ANTENNAS: Antenna survey assessments at 7 of the 14 HFGCS stations have resulted in the identification of numerous obsolete, degraded and unsupportable antennas and require replacement in order to support the HFGCS mission.

c. ENGINEERING/INTEGRATION/TRAINING: FY07 funding procures items needed to support the final phases of NCS-W installation. FY07 funding continues Information Assurance (IA) activities and mandated DoD security upgrades as part of the radio and information technology system upgrades. To mitigate system security risks and vulnerabilities, IA remediation actions must be continuously and consistently applied to the weapon systems. This funding provides for risk assessment, definition, engineering, technical analysis, integration and operational testing required to implement IA upgrades on the global HFGCS network. DoD interface criteria mandate these upgrades to ensure the HFGCS weapon system complies with DISA's GIG.

2. AFOSI TACTICAL RADIO SYSTEM: No FY07 funding requested.

3. ACC TRUNKED LMR SYSTEM: No FY07 funding requested.

In FY06, Radio Equipment received $2.0M in additional funding under Title IX of the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
RADIO EQUIPMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SCOPE COMMAND HF RADIO STATION REPLACEMENT							{$9,950}			{$7,357}			{$7,730}
NETWORK MODERNIZATION/ IMPROVEMENTS	A						$9,350			$5,357			$4,964
ANTENNAS	A									$1,000			$1,250
ENGR/INTEGRATION/TNG							$600			$1,000			$1,516
AFOSI													
AFOSI TACTICAL RADIO SYSTEM	A						$571						
ACC													
ACC TRUNKED LMR SYSTEM	A						$1,573			$2,000			
TOTALS:							$12,094			$9,357			$7,730

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** RADIO 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
SCOPE COMMAND HF RADIO STATION REPLACEMENT									
NETWORK MODERNIZATION/ IMPROVEMENTS(1)									
FY2005(3)			AFMC/OC-ALC	OPT/CPFF	ROCKWELL/ RICHARDSON, TX	Jan-05	Jan-06		
FY2006(3)			AFMC/OC-ALC	OPT/CPIF	ROCKWELL/ RICHARDSON, TX	Apr-06	Jan-07	Yes	
FY2007(3)			AFMC/OC-ALC	OPT/CPIF	ROCKWELL/ RICHARDSON, TX	Jan-07	Jun-07	Yes	
ANTENNAS									
FY2006(1)			AFMC/OC-ALC	C/IDIQ	UNKNOWN	Jun-06	Oct-06	Yes	
FY2007(1)			AFMC/OC-ALC	C/IDIQ	UNKNOWN	Feb-07	Jun-07	Yes	
AFOSI TACTICAL RADIO SYSTEM									
FY2005			HQ AFOSI	MIPR/FP	GSA/ GSA, BASE RADIO SYSTEMS/ FT MONMOUTH, NJ	Feb-05	Apr-05		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** RADIO 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
ACC TRUNKED LMR SYSTEM									
FY2005(1-2)			HQ ACC	OPT/FFP	MULTIPLE	Mar-05	Dec-05		
FY2006(1-2)			HQ ACC	OPT/FFP	MULTIPLE	Mar-06	Dec-06	Yes	

Remarks:

(1) Quantities and unit costs vary due to site-specific requirements.
(2) Multiple options from existing ACC, AETC, and GSA schedule contracts. Award/delivery dates represent dates of first contract award and delivery.
(3) Apr 01 basic contract award with 10 option years.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TV EQUIPMENT (AFRTV)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$4,908	$5,792	$2,743	$3,074	$3,148	$3,552	$3,605

Description:

This continuing program procures broadcasting equipment needed by the Air Force Broadcasting Service (AFBS) to support the worldwide mission of the Armed Forces Radio and Television Service (AFRTS). The Air Force (AF) operates radio and television facilities overseas in support of the internal information mission of United States Central Command, United States Pacific Command, United States European Command, Air Combat Command, US Space Command, and Air Force Space Command. This program also procures radio and television equipment for the Air Force News Agency (AFNEWS) Production Center, Lackland Air Force Base, TX. AFNEWS produces and distributes corporate AF radio and television news productions to AFRTS outlets, commercial stations, and AF units throughout the world in support of the AF's Internal Information Program and the Army and Air Force Hometown News Service.

1. AFRTS EQUIPMENT PROCUREMENT: FY07 funds procure lightweight Electronic News Gathering (ENG) systems (cameras, editing systems, satellite transmission terminals) suited for operation in demanding field environments. Funds will procure equipment needed to migrate from proprietary systems incompatible with DOD IT architecture, replace media storage, and field digital asset management/collaboration tools to field level, as well as field support for installation of television automation systems.

2. AFNEWS PRODUCTION CENTER: FY07 funds procure lifecycle replacement of digital video cameras and wireless microphone systems, upgrades to NT-based nonlinear editing systems, and digital backs for ENG camera systems. Funding of these items is critical to converting outdated analog camera systems to digital. Funding in FY07 pays for Scientific Atlanta PowerVu Plus Encoding/Encryption uplink system at the AFRTS Broadcast Center (BC) and for community-specific channel encoders at the European uplink facility. These encoders, located at AFRTS-BC, encrypt the signal into digital format for each channel for transmission over satellites.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** TV EQUIPMENT (AFRTV)

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TV EQUIPMENT (AFRTV)					{$4,908}		{$5,792}		{$2,743}
AFRTS EQ PROCUREMENT (DIRECT TO HOME)	A				$4,621		$5,493		$2,434
AFNEWS PRODUCTION CENTER	A				$287		$299		$309
TOTALS:					$4,908		$5,792		$2,743

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CCTV/AUDIOVISUAL EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$3,140	$3,150	$8,416	$9,723	$8,868	$10,149	$8,855

Description:

Closed Circuit Television (CCTV) and Audiovisual (AV) systems and their products are used throughout the Air Force to help inform and train warfighters. Video and multimedia-based products are developed for warfighter operations, readiness training, medical videography, public and internal information, testing and evaluation, and corporate communications. Combat video documentation is used for operational reporting and analysis, situational awareness, battle damage assessment, intelligence and operational analysis, casualty identification, and the historical record. Commanders recognize that imagery quickly conveys very accurate and unbiased information, and are requiring greater amounts of video imagery to help meet the challenges of a very active warfighting force. The Air Force is meeting this challenge in FY07 by dedicating a greater amount of funding to procure and sustain this important capability by replacing older video studio systems with newer and more capable equipment and systems for both Air Force video production and combat/contingency documentation teams. CCTV systems are centrally managed to establish and maintain standardization of systems, as well as to ensure full interoperability with all other electronic image acquisition, transmission system formats, and presentation systems used in the Air Force.

1. IMAGE ACQUISITION/TELEVISION STUDIO EQUIPMENT: FY07 procures replacement equipment and upgrades for studio-based closed circuit video equipment. Increased implementation of digitally based video systems for image signal capture, processing, editing, and transmission enable Air Force TV centers to offer greater capability in image articulation and customer understanding. FY07 funding will also begin evolution into High Definition Video (HDV) production. This equipment includes cameras, editing and duplication systems and all accessories necessary for image capture, processing and distribution. This program funds 19 production centers and provides products for combat operations, education and training and corporate communications.

2. COMBAT CAMERA SYSTEMS: FY07 continues sustainment of heavily used and worn mobile combat documentation video cameras and night vision lenses, portable video recorders and portable nonlinear digital video editors in support of worldwide Combat Camera and Multimedia forces. This program provides for technology upgrades to portable video systems and includes lightweight digital video cameras and camcorders providing enhanced video quality to the warfighter. These newer systems reduce the transportation footprint, reduce work load and enable combat camera personnel to transmit

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CCTV/AUDIOVISUAL EQUIPMENT

Description (continued):

motion and still imagery across satellite as well as terrestrial systems. The critical capability provides warfighters with greater flexibility in decision-making with real-time operational and combat imagery.

3. WESTERN TEST RANGE VIDEO SYSTEMS: FY07 initiates replacement of 35 year-old film recording and tracking equipment supporting the Western Missile tracking systems with high definition video tracking and high speed recording devices. These HDV systems replace film recording systems that use up to 800,000 feet of film at $17,000 per launch versus $150 to $200 in DLT tape This new capability offers immediate access to the image data, no chemical processing is required, data can be enhanced and analyzed on user workstations, cameras can be placed in hazardous areas and controlled over Ethernet and linear and angular measurements can be made directly from the data. Image tracking and recording are a vital part of post flight performance analysis of all space and ballistic launch operations but are most critical for Test and Evaluation on programs now being conducted by the Missile Defense Agency (MDA) at Vandenberg AFB. Imagery tracking provides detailed engineering sequential photography for anomaly resolution and accident reconstruction at distances up to 60 kilometers, and is required for all current and future MDA tests and Titan IV, Atlas IV, Delta II, Peacekeeper, Minuteman, and commercial space launches.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** CCTV/AUDIOVISUAL EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
IMAGE ACQ/TV STUDIO EQUIP	A				$1,560		$1,672		$1,700
COMBAT CAMERA SYSTEMS	A				$1,580		$1,479		$1,699
WESTERN TEST RANGE VIDEO EQUIPMENT	A								$5,017
TOTALS:					$3,140		$3,150		$8,416

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE COMMUNICATIONS INFRASTRUCTURE

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$110,168	$202,955	$135,169	$118,175	$136,099	$140,203	$137,951

Description:

The Base Communications Infrastructure (BCI) program enables timely and assured delivery of data and voice communications supporting a wide range of Air Force organizations and decision makers. This program provides critical Air Force (AF) Major Commands (MAJCOMs), the Air National Guard (ANG) and the Air Force Reserve (AFR) with command and control (C2) by operating information systems, protecting information and sharing data and information with all appropriate people/machines any place and time. BCI supports upward-generated communications requirements from the MAJCOMs, ANG and AFR and respective bases. MAJCOMs, ANG, AFR and bases require their own communications improvement funds to tailor the base communications environment to the specific operational missions supported by the base. Funds are also needed at MAJCOM and base level to react quickly to mission changes, support new Military Construction projects and handle the multitude of smaller, individual communications, computer, air traffic control and weather instrumentation connectivity needs. The BCI program is also used by the ANG to fund their entire communications infrastructure requirement. AF-wide downward-directed efforts to provide base-wide fiber optic networks, modernize base control centers and replace main base telephone switches are funded under Base Information Infrastructure (P-1 Line 58).

1. HEADQUARTERS AIR FORCE COMMUNICATIONS AGENCY (HQ AFCA): This program procures communications and information systems equipment supporting the information technology (IT) mission. FY07 funding provides for AF-wide procurement of Commercial Off-the-Shelf (COTS) Land Mobile Radio (LMR) equipment. This procurement program replaces current in-garrison wideband radio equipment with narrowband handheld and mobile radios, base stations and repeaters to meet the National Telecommunications and Information Administration (NTIA) narrowband mandate. Failure to procure NTIA-mandated narrowband LMRs risks a Commerce Department-directed shutdown of mission critical radio assets. These assets include (but are not limited to) Operational Command & Control, Airfield Security and Flightline Launch/Recovery Operations, Fire/Crash/Explosive Ordnance Disposal, Base Security, Disaster Response/Emergency Medical Services and Missile Field Dispatch Teams.

2. AIR NATIONAL GUARD (ANG): BCI is the single funding source to the ANG for base communication requirements. FY07 funds provide for expansion, modernization and sustainment of base communications infrastructure at 88 ANG flying wings and over 200 Geographically Separated Units (GSU),

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

Description (continued):

including Network Operations and Security Centers (NOSCs) and six Regional Operations Support Centers (ROSCs). Funds support "top-down" ANG-wide programs promoting base communications infrastructure consistency across the ANG. Funding provides Engineering and Installation (E&I) support and command-wide purchases of hardware and software. This ensures employed technology and architecture is consistent, compatible and interoperable. This across-the-board functionality guarantees interoperability between ANG networks, active-duty AF networks and other Services' networks. Funds support voice, video, sensor, imagery and data convergence projects to promote compatibility with evolving active duty AF architectures. Funding provides for upgrades, technological advances and sustained maintenance of developed systems.

In addition to ANG-wide programs, funds also provide solutions for critical base-level communications infrastructure requirements. Specific projects at each ANG base may vary as solutions are tailored to particular requirements. However, these various solutions must comply with AF approved architectures, regulations, network designs and equipment specifications. This ensures communications compatibility across the ANG and AF organizations.

Procured equipment satisfies a wide range of base-level requirements including virtual private networks, wireless local area networks, personal wireless and wired communications systems and various radio infrastructure equipment to include base stations, repeaters, mobile equipment and handheld radios. Office appliances include end user and deployable computer systems, video systems, media and projection systems and the wiring and cabling supporting such devices. Many bases also require communications infrastructure to provide data management, including tiered storage, backup, online and offline recovery services, firewalls, secure enclaves and encryption devices. Funds also support base-level requirements such as air traffic control, radar and Tactical Digital Information Links (TADIL), surveillance and intrusion detection systems, Radio Frequency Identification (RFID) tagging, infrared, remote controlled vehicles, technological upgrades and sustained maintenance of the developed systems.

3. HEADQUARTERS AIR FORCE SPACE COMMAND (HQ AFSPC): Funds support Air Force Space Command base communications, command-wide modernization and life cycle replacement of base information transmission systems. Procurements provide an LMR wide-area coverage solution at our Intercontinental Ballistic Missile (ICBM) bases to support nuclear surety and personnel safety issues with an out-right purchase versus lease option. Funds provide wide and local area infrastructure requirements (servers, routers, hubs and network management systems), software, upgrades and replacements for secure/non-secure telephone switches at main bases and remote Geographically Separated Units (GSUs).

FY07 funds support the continuation of prior year projects. One project completes the final critical phase to correct inadequate Wide Area Coverage

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

Description (continued):

communications at ICBM bases to include FE Warren AFB, WY, Malmstrom AFB, MT, Minot AFB, ND and Vandenberg AFB, CA. Improvements will ensure prime C2 radio communications to remote areas for nuclear surety, range safety and force protection supporting personnel guarding nuclear weapons and weapons platforms. This enhanced capability is required to meet the US Weapons C2 National Security Presidential Directive NSPD-28 and the Scrowcroft Report DoE/DoD requirements for secure coverage in all missile fields.

Several AFSPC military construction projects ensure that new and upgraded facilities are provided with needed communications infrastructure, including base Information Transfer Nodes (ITN's) to support mission systems operations. Projects are scheduled at six major wings and four remote operating bases worldwide. Continued funding is required to ensure on-time/right-time phased installation of communications infrastructure as each building achieves occupancy readiness. Examples include: continued stand-up of Buckley AFB with seven individual facility projects, Patrick AFB Security Forces and Wing Rescue facilities and Peterson AFB Mission Support and gate facilities.

FY07 funding continues to support AFSPC's infrastructure initiative. This initiative supports communications networks throughout AFSPC by increasing use of web servers, e-staffing, security boundary controllers (firewalls), data storage systems and file print services. Examples include email services archiving and file/print and application server consolidation projects at AFSPC locations to include FE Warren AFB, WY, Los Angeles AFB, CA, Patrick AFB, FL, Malmstrom AFB, MT and Vandenberg AFB, CA.

4. HQ US AIR FORCES IN EUROPE (USAFE): FY07 funding supports base communications infrastructure expansion and modernization to include procurement and installation at bases, GSU locations and MAJCOM headquarters. Specific critical base communications infrastructure improvements provide secure C2 communications for MAJCOM and wing senior leadership, flight support, emergency actions and intelligence operations.

DoD directed all components to migrate their communications networks to Internet Protocol Version 6 (IPv6) by FY08. Any delays to USAFE IPv6 implementation will adversely affect intra- and inter-base secure C2 capabilities. FY07 funding replaces antiquated telephone switch processors at RAF Molesworth, UK, Incirlik AB, Turkey, and RAF Mildenhall, UK. Funding will also provide much-needed telephone switch software upgrades at six GSUs.

In addition, FY07 funds provide improvements by replacing outdated transfer systems between intra-base communication networks and eliminating bottlenecks in base data distribution systems.

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Description (continued):

5. HEADQUARTERS AIR EDUCATION AND TRAINING COMMAND (HQ AETC): FY07 funds support various programs for AETC.

The Technical Training Management System (TTMS) is a tool for the management of all technical training students and resources, design and development of courses, evaluation of training to include testing and critiques and management of employee records. This system is required to meet advanced technical training requirements for 184,000 trainees per year in over 2,000 courses. FY07 funds provide IT modernization systems to include workstations, servers, software and secure communications for TTMS between technical training bases and their respective field training detachments, operating locations and basic military training organizations. FY07 funds continue to provide TTMS access to AETC's geographically separated units and continue the automation of instructor records and resource tracking within TTMS.

FY07 funds also support AETC's E&I program and satisfies base-approved and MAJCOM-validated communications requirements as identified in base communications blueprints. This provides communications and information infrastructure to support the flying and technical training, recruiting and accession mission at all 13 AETC bases.

FY07 funds continue to provide required fiber optic connectivity to core facilities that are Combat Information Transport System (CITS) late to need (CITS schedule doesn't meet the needs), covers base backbone shortfalls not addressed under the CITS flight plan and other base network shortfalls not covered by the CITS program. FY07 funds provide replacement of copper cables and associated manhole/duct systems for these cable projects in excess of $750K. Communications cables at many AETC bases are old and/or buried underground without protective shielding. Cable failures are increasingly expensive to repair and adversely impact mission critical data transmission reliability.

FY07 funds continue to deliver Secret Internet Protocol Router Network (SIPRNet) terminals using TACLANE encryption devices to AETC wing and vice wing commanders, group commanders, squadron commanders, wing command posts, alternate wing command posts, installation deployment officers, unit deployment managers and other users with an immediate need to communicate in the classified environment. The need to transmit classified data over SIPRNet for command and control has greatly increased as Air Expeditionary Forces (AEF) posture across the globe. Without proper SIPRNet funding AETC will not meet its AEF contingency commitments.

FY07 funds continue to provide the Giant Voice component of Installation Warning Systems to bases (e.g. Tyndall and Lackland) within AETC. Giant Voice is the critical Installation Warning System (IWS) giving commanders the ability to quickly and accurately notify base personal of any emergency situations.

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Description (continued):

Announcements include notifications of potential or actual emergencies or threats such as impending natural disaster (such as a tornado) or terrorist attack. Several warning systems within the command are failing or nonexistent.

Finally, FY07 funds enable AETC to continue server consolidation efforts via a storage area network (SAN) solution at each AETC Network Control Center and the Randolph AFB Network Operations Support Center (NOSC). This provides AETC the ability to centrally manage and standardize file, print, email and Web services. Consolidation also provides enhanced data recovery due to centralized backups. If not funded, bases will be forced to continue supporting “duplicate” isolated systems unable to provide enhanced features and improved network security.

6. HQ AIR FORCE MATERIAL COMMAND (HQ AFMC): FY07 funding supports the engineering, acquisition and installation of network infrastructure replacements and upgrades for AFMC's classified and unclassified networks to include network protection tools and improved manageability as part of a multiyear effort. The primary focus is a robust regional architecture consisting of regional nodes within which AFMC can consolidate servers and storage at the MAJCOM level. This infrastructure will provide email server consolidation and Business Continuity/Concept of Operations (BC/COOP) at Kirtland AFB and Wright-Patterson AFB; SIPRNet and Sensitive Compartmented Information Network (SCINet) classified messaging and unclassified messaging at Hill AFB, Robins AFB, Tinker AFB and Wright-Patterson AFB. In addition, funds provide the required infrastructure for server and storage consolidation at all regional nodes. Benefits of this regional architecture include operating efficiencies, superior security, business continuity and scalability for future growth.

FY07 funding also provides for infrastructure and network expansion to include the 'first 400 feet' of fiber and copper cables, additional network connections and telephone switching system upgrades. FY07 funding provides for an Enterprise Advanced Collaboration workspace to include manpower, servers and storage. Funding provides for engineering, acquisition and installation support for an automated web-based scientific and technical information management system to support all Air Force users. Specific equipment requirements include servers for use during two stages of spiral implementation throughout the fiscal year.

7. HQ PACIFIC AIR FORCES (HQ PACAF): The PACAF telecommunications infrastructure is overwhelmingly government-owned vice leased commercial, due in large part to the great distances between operating locations. Additionally, local (foreign government owned) infrastructure is historically limited in capabilities; thus, leasing infrastructure in Korea and Japan is very difficult and expensive when available. This is also true to a lesser extent for the Hawaii, Guam, and Alaska locations; therefore, PACAF infrastructure procurements are critically important to the PACAF information technology (IT) Enterprise.

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

Description (continued):

FY07 funding procures communications and information systems equipment supporting the 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.

A top priority is expansion of the PACAF SIPRNet to improve warfighter network access. This network expansion provides classified connectivity for the remaining Mission Critical (Core 1), all Mission Essential (Core 2), and Mission Support (Core 3) buildings at each of nine main operating bases (MOBs). This effort will satisfy existing requirements with room for growth and modularity, and ease future upgrades. It provides an expanded network with bandwidth and switch port capacity to meet demanding new requirements, such as imagery-on-demand, as well as support for follow-on forces deploying to PACAF bases with minimal effort or additions to the infrastructure.

The demand for upgraded coalition network access continues to grow at an increasing rate. PACAF requires connectivity to and within the Republic of Korea, Canada and Japan. The existing communications cabling was installed piece-meal over the years and is failing under the strain of current operations. FY07 funds continue the effort to replace base infrastructure supporting communications in the Republic of Korea.

Funding is also required to correct network deficiencies that impact combined operations, through NORAD, in support of the Homeland Defense mission.

8. HQ AIR COMBAT COMMAND (HQ ACC): FY07 funding procures and maintains standardized communications systems throughout ACC, providing MAJCOMs, Numbered AFs and Combat Air Forces the means to defend, control, manage, modify and monitor the Air Force's communications networks. Funding continues to provide communications upgrades in direct support of the IT Summit Initiative to consolidate servers on both the Unclassified but Sensitive Internet Protocol Router Network (NIPRnet) and SIPRNet for Holloman AFB as well as SIPRNet for Langley, Barksdale, Offutt, Nellis, and Mountain Home AFBs. SIPRNet capability expansion remains a top priority requiring funding in support of classified networking infrastructure at all locations.

FY07 funding supports Mission Critical Network Reliability (MCNR). MCNR secures base communications infostructure from unauthorized personnel access and creates dual-homed connectivity to both NIPRNet and SIPRNet. This will eliminate single points of failure in an effort towards meeting the ACC Commander's directed goal of 99.999% network reliability. Network downtime detrimentally impacts the warfighter kill chain (the time needed to find, fix,

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
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Description (continued):

track, target, engage and assess the enemy). MCNR builds base-level network Continuity of Operations (COOP) capability by installing dual connections from mission-critical C2 facilities to the base backbone. This protects against hacker threats by providing diverse paths inside and outside the network to ensure decision makers are capable of executing command and control. MCNR establishes a command network assistance program that standardizes base-level infostructure, computer network defense posture and standard evaluation.

FY07 funding supports the command E&I program and base-level infrastructure upgrades. Infrastructure upgrades include, but are not limited to, the transition to high-speed/high data rate connectivity and establishment of digital switching capabilities. Funding provides C2 connectivity to all key base facilities, organizations and war-fighting forces.

This program funds procurement of LMR infrastructure equipment to replace in-garrison wideband infrastructure equipment, base stations, and repeaters to meet the NTIA narrowband mandate. LMRs provide a versatile, secure and low-cost means of sending and receiving information--voice or data, classified or sensitive--to warfighters. Critical in-garrison functions supported by LMR include local C2, missile security, law enforcement, fire department, medical life support, aircraft generation, disaster response, airfield operation, air base defense and maintenance. Handheld LMRs are personal, portable, low power line-of-sight (LOS) communications devices providing a secure, flexible and versatile means of relaying information between troops in the field and wing command post personnel. LMR infrastructure includes the high-power base stations and repeaters, normally at fixed sites, capable of providing extended coverage LOS communications for troops in the field and wing command post personnel. FY07 will continue to fund Barksdale and Offutt AFBs.

9. HQ AIR MOBILITY COMMAND (HQ AMC): FY07 funding provides for base communications infrastructure projects designed to increase security and improve reliability and capacity of information services. In particular, FY07 funding provides for replacement of outdated and maintenance-intensive equipment/infrastructure, fiber & copper cable installations, telephone switch and voice system upgrades, navigational equipment infrastructure support and computer network upgrades, including firewalls and encryption devices. Planned FY07 modernization initiatives directly support rapid dissemination of vital Air Force C2, mobility and combat support information. If not funded, the reliability and quality of information services provided will decrease resulting in higher sustainment costs and in degraded mission capabilities.

Examples of FY07 projects include:

MacDill AFB, FL - Extensive fiber and copper cable installations supporting perimeter surveillance equipment, coastal radar or Air Traffic Control and

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Description (continued):

Landing Systems (ATCALS) equipment. Expansion of Voice Switch capabilities (additional 1,920 lines) supporting Central Command (CENTCOM), new fiber optic and copper cables in support of the Director of Intelligence (J2), as well as continued upgrade of copper and fiber optic cables supporting the remainder of the base and other tenant units.

Charleston AFB, SC - Expand Synchronous Optical Network (SONET) voice, video and data backbone to reduce single points of failure and increase infrastructure capacity and reliability.

Travis AFB, CA - Cable infrastructure and voice switch expansion to support C-17 beddown activities. Leverages Voice over Internet Protocol (VoIP) to support new disparate facilities, provides force protection support for the various base entry control points. This requires substantial infrastructure investment as there is currently little, if any, communications connectivity at the base gates.

Fairchild AFB, WA - Initiates second service delivery point (SDP) infrastructure to support elimination of single points of failure due to inadequate service delivery of the Defense Integrated Switching Network (DISN) and commercial services. It continues to upgrade force protection and antiterrorism control points at base entry gates. This includes installation of copper and fiber optic cables to provide connectivity between the gates and the security forces control center.

10. HQ AIR FORCE SPECIAL OPERATIONS COMMAND (HQ AFSOC): FY07 funds primarily support base communications command-wide modernization and life cycle replacement of information transmission systems and base communications infrastructure. Procurements include wide and local area network hardware (servers, routers, hubs and network management systems for information management from central locations), pager and voice switch system upgrades, as well as life cycle replacement of base communications infrastructure. FY07 funds support enterprise efforts that provide essential standard network and configuration control between main operating bases and GSUs.

Funds provide additional SIPRnet connectivity; presently the need for collateral data support for C2 exceeds SIPRnet infrastructure capability. Infrastructure upgrades provide improved secure C2 communications for MAJCOM and Wing senior leadership, flight support, emergency actions and intelligence operations.

Additional funds support CIO, IT Summit and Command initiatives, as well as other projects such as the DoD-directed migration of inter- and intra-

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE COMMUNICATIONS INFRASTRUCTURE

Description (continued):

communications networks to IPv6 by FY08.

11. HQ 11th WING: FY07 funding provides technological advances of Information Technology (IT) systems supporting both the 11th Wing and Headquarters Air Force District of Washington (AFDW). Funding is needed to define, develop and implement a viable COOP capability for AFDW and subordinate organizations in the National Capital Region. Capabilities such as VoIP and Identity-Driven Access Gateways are key elements of the COOP and will be paramount in response to emergencies such as natural disasters and terrorist attacks. Finally this funding will allow us to meet the IPv6 transition by 2008.

12. AIR FORCE RESERVE COMMAND (AFRC): FY07 funds provide for expansion, modernization, and sustainment of base communications infrastructure at HQ AFRC, the MAJCOM Network Operations and Security Center (NOSC), HQ Air Reserve Personnel Center (ARPC), 43 AFRC flying wings/groups and over 40 GSUs. Funds support MAJCOM centrally funded AFRC-wide programs supporting base communications infrastructure consistency across the command. Funding provides Engineering and Installation (E&I) support and command-wide hardware and software purchases. This ensures the employment of consistent, compatible and interoperable technology and architecture. This across-the-board functionality ensures interoperability between AFRC networks, active-duty AF networks and networks of other Services. Funds support data, voice and video projects to promote compatibility with evolving active duty AF architectures.

Funding provides for upgrades, technological advances and sustained maintenance of the developed networks. In addition to funding AFRC-wide programs, funds also provide solutions for critical base-level communication infrastructure requirements. Specific requirement includes AFRC's C2 facilities that require communications upgrades to ensure network connectivity with integrated Homeland Defense C2 networks in order to respond to increased workload and provide adequate coordinated response to specific force protection levels. FY07 funds also support the Category I Instrument Landing System (ILS) installation at Willow Grove Air Reserve Station (ARS), PA, for use by all assigned and transient aircraft.

Procured equipment satisfies a wide range of base-level requirements including virtual private networks, wireless local area networks, personal wireless and wired communications systems and various radio infrastructure to include base stations, repeaters, mobile equipment and handheld radios. Also, many bases require communications infrastructure to provide data management, including tiered storage, backup, online and offline recovery services, COOP, firewalls, secure enclaves and encryption devices.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE COMMUNICATIONS INFRASTRUCTURE

Description (continued):

13. SERVICE ACQUISITION EXECUTIVE: Funds provide communications infrastructure supporting F-22A operations at Elmendorf AFB, AK. In particular, funding provides TACLANE encryption devices for the F-22A Integrated Maintenance Information System (IMIS). This equipment ensures secure data transfer between nodes on the IMIS and allows maintainers to move information around the system without risk of compromise. Funds also support upgrades to or replacement of existing base communications infrastructure at Elmendorf AFB. Experiences at Edwards AFB, Tyndall AFB, Nellis AFB, and Langley AFB have shown a consistent need to replace and upgrade base communications infrastructure related to the increased requirements and/or as consequence of construction associated with the F-22A.

In FY05, Base Communications Infrastructure received $1.5M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

In FY06, Base Communications Infrastructure received a $15.3M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

In FY06, Base Communications Infrastructure received a $96.82M add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE COMMUNICATIONS INFRASTRUCTURE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BASE COMMUNICATIONS INFRASTRUCTURE					{$110,168}		{$202,955}		{$135,169}
HQ AFCA (1,4)	A				$4,380		$54,036		$15,028
ANG (1-4)	A				$29,839		$33,918		$28,809
HQ AFSPC (1-4)	A				$15,566		$31,162		$27,851
HQ USAFE (1-4)	A				$17,464		$9,684		$10,282
HQ AETC (1-4)	A				$9,335		$30,494		$11,452
HQ AFMC (1-4)	A				$16,848		$20,398		$8,252
HQ PACAF (1-4)	A				$6,625		$4,096		$8,840
HQ ACC (1-4)	A				$5,501		$14,093		$15,915
HQ AMC (1-4)	A				$2,496		$2,846		$2,978
HQ AFSOC (1-4)	A				$53		$720		$599
HQ 11TH WING (1-4)	A				$1,577				$2,302
HQ AFRC (1-4)	A				$484		$1,508		$1,169
SERVICE ACQUISITION EXECUTIVE (1-4)	A								$1,692
TOTALS:					$110,168		$202,955		$135,169

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** BASE COMMUNICATIONS INFRASTRUCTURE

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST

Remarks:

Cost information is in thousands of dollars.

(1) Quantities and unit costs vary due to different site configurations.
(2) Options were used to procure multiple pieces of equipment from the GSA Schedule and AFWay. AFWay is a web-based USAF system for purchasing COTS IT via prenegotiated contracts with leading IT manufacturers and resellers.
(3) Options to various competitive, fixed/firm price contracts are available through the following vendors for execution of Base Communications Infrastructure funding: AT&T Federal Communications Systems, CDW-Government, Dell Computer Corp, GTSI, Westwood Computer Corporation, Intelligent Decision Inc, Centech, EDS, Q-System, etc.
(4) Land Mobile Radios (equipment, engineering, installation) are procured via the Army Base Radio Systems (BRS) Contract. Vendors include Booz Allen Hamilton, McLean, VA; Engineered Systems, Omaha, NE; M/A-Com PRS, Lynchburg, VA; Motorola, Schaumburg, IL; and E.F. Johnson, Waseca, MN.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$52,411	$3,615	$3,795	$4,984	$5,068	$5,191	$5,277

Description:

The "Items Less Than $5M" line funds various procurements that support the mission of all Air Force (AF) commands. This program contains numerous miscellaneous items of electronics and telecommunications equipment. All items have an annual procurement value of less than $5,000,000 approved for use by the AF.

POWER CONDITIONING AND CONTINUATION INTERFACE EQUIPMENT (PCCIE): PCCIE consists of commercial-quality power equipment systems that are used to back up and protect power-sensitive/dependent computer systems. This equipment is fielded as a complete system and, once installed, provides 100 percent uninterrupted power to critical AF installations. This program procures replacement PCCIE for all AF, Air National Guard, and AF Reserve units. Examples include Predator exploitation and battle damage assessment through the Ballistic Missile Early Warning System at Thule AB, Greenland, which provides tactical warning and attack assessment and operational support to the National Command Authority and combatant commanders; and Tactical Air Navigation at Moron AS, Spain, which provides direct aircraft support of operations in Iraq and Afghanistan, as well as emergency support of NASA shuttle missions. PCCIE also supports all regional air defense sector radar sites, worldwide combat communications centers, radar sites in Middle Eastern countries, worldwide satellite tracking stations, numerous information processing sites, and Next Generation Radar (NEXRAD) sites. Without this crucial equipment, sites will experience power outages, brownouts, power surges, and sags--all of which cause loss of mission capability.

In FY05 "Items Less Than $5 Million" received $23.3M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION

PROCUREMENT ITEMS	NSN			FY2007	
		QTY.	COST	QTY.	COST
POWER CONDITIONING AND CONTINUATION INTERFACING EQUIPMENT					$3,795
TOTALS:					$3,795

Remarks:

Cost information is in thousands of dollars.

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMM ELECT MODS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$24,805	$24,382	$28,344	$50,783	$49,366	$51,867	$75,871

Description:

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

a. AN/TRN-26, TECHNICAL UPGRADE: No FY07 funds are requested.

b. AN/GRN-29, INSTRUMENT LANDING SYSTEM GROUNDING MODIFICATION: No FY07 funds are requested.

c. AN/GPN-22(V), RADAR SET GROUP TRANSMITTER MODIFICATION: The AN/GPN-22(V), Radar Set Group, is a fixed base precision approach radar system that provides critical mission support at locations requiring precision approach air traffic control during inclement weather for aircraft recovery. The AN/GPN-22 utilizes 28-year old technology to develop and radiate radar signals. The transmitter experienced an extremely high failure rate that reduced operational availability to an average of 82%, well below the AF standard of 97%. This modification improves radar maintainability and reliability.

d. AN/TPN-19 RADAR SET GROUP TRANSMITTER MODIFICATION: The AN/TPN-19 Landing Control Central is a deployable Radar Approach Control that provides critical mission support at austere locations requiring precision approach air traffic control during inclement weather for aircraft recovery. The AN/TPN-19 utilizes 33 year-old technology to develop and radiate radar signals. The transmitter has experienced component obsolescence and diminishing manufacturing sources. Modification of the transmitter will improve system maintainability and reliability and provide a viable source of

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMM ELECT MODS

Description (continued):

repair.

e. VOR/VORTAC/TACAN MODIFICATION: VOR provides azimuth bearing (bearing relative to magnetic north) to aircraft during an approach or departure to/from a particular airfield, or enroute to a distant airfield. A station ID (station identification in Morse code) is transmitted, along with prioritized voice transmissions. TACAN provides azimuth, station ID, and distance information (relative to the ground TACAN station). The TACAN provides line-of-sight azimuth and distance information for up to 100 aircraft simultaneously. Current VOR/VORTAC/TACAN systems have reached the end of their normal lifespan, yet it is expected that these systems will be required until 2020. Current systems are manpower intensive and costly to support. Procuring this modification will result in a new maintenance concept that will reduce sustainment costs in the outyears and provide an enhanced service.

f. MISCELLANEOUS LOW COST MODIFICATIONS: FLIPS - Flight Information Processing System is used by DoD Air Traffic Control (ATC) facilities for storage and processing of flight plan information provided by the Programmable Indicator Display Processor (PIDP) system. The current FLIPS hardware and software are experiencing supportability problems. Funding will procure new Central Processing Units, communication circuit cards, printers, and software for proper interface with the PIDP. PIDP is used by DoD ATC facilities for interface of RADAR data to ATC controller indicators. The current software is experiencing reliability problems and interface limitations. Software re-write will correct these issues and extend system life. FY07 funding provides for both modifications.

2. WEATHER OBSERVATION AND FORECAST SYSTEM: This system consists of meteorological and space environmental equipment needed to provide information to support the worldwide missions of the AF, Army, Special Operations Forces (SOF), combatant commands, and other government agencies. Fixed and transportable equipment provides warfighters at in-garrison, contingency, and deployed locations with accurate and timely terrestrial and space weather observations and forecasts. Development funding is in Program Element 0305111F, Weather Service.

a. GROUND WEATHER: The ground weather mission provides timely, mission-critical support by observing, analyzing, and forecasting terrestrial weather phenomena impacting the warfighter's ability to operate on the ground and in the air. Worldwide weather products are generated and distributed to AF and Army forces and other customers. The following modifications are in support of this mission:

(1) MOD# 94-003B NEXT GENERATION WEATHER RADAR (NEXRAD) OPEN RADAR DATA ACQUISITION: No FY07 funds are requested.

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Description (continued):

(2) MOD# 98-001, AIR FORCE WEATHER AGENCY (AFWA) DISSEMINATION SUBSYSTEM: FY07 funding upgrades AFWA's web-based capabilities for rapid receipt, staging, and transmission of graphics and text-based weather products and data to the warfighter and decision-makers. Upgrade of dissemination subsystem hardware, software, and communications infrastructure will ensure timely receipt of weather information by warfighters at worldwide fixed and deployed locations and incorporate net-centric requirements.

(3) MOD# 98-003, WEATHER FORECASTING: FY07 funding upgrades computer hardware and supporting software, providing target-scale weather and cloud model forecasts at the AF Weather Strategic Center. The current subsystem cannot support the number of theaters/areas of interest necessary for worldwide AF and Army operations, including SOF support. Information Technology refresh will allow the current infrastructure to meet AF spatial and temporal weather and cloud model forecast resolution requirements, provide capacity to handle extremely large data files, and improve both classified target-scale modeling and operational risk management capabilities.

(4) MOD# 00-002, TACTICAL WEATHER RADAR: No FY07 funds are requested.

(5) MOD# 00-004, AIR FORCE COMBAT CLIMATOLOGY CENTER - REPLACEMENT (AFCCC-R) UPGRADE: FY07 funding upgrades hardware, software, and communications infrastructure within the AF Combat Climatology Center to support ingest, archiving, and retrieval of observational weather data and target-scale cloud model analysis and forecast data. The upgrade includes network attached storage devices, disk drives, and servers for additional data ingest, storage, and retrieval capabilities.

(6) MOD# 02-002, AUTOMATED SURFACE OBSERVING SYSTEM (ASOS): FY07 funding allows the Air Force to pay a proportional share of modification costs for this airfield sensor system as part of a tri-agency agreement between Department of Transportation, Department of Commerce, and Department of Defense. The tri-agency agreement will ensure that AF-owned ASOS units maintain baseline configuration with units in other agencies. Participation in the Pre-Planned Product Improvement (P3I) program enhances long-term supportability of ASOS and directly supports safety of flight.

(7) MOD# 00-005, DIRECT READOUT TERMINAL: No FY07 funds are requested.

(8) MOD# 00-001, NEXRAD UPGRADES: FY07 funding upgrades Radio Frequency Generators, adds a second signal for dual

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	**P-1 NOMENCLATURE:** COMM ELECT MODS

Description (continued):

polarizations, and refreshes the central processing unit of the Radar Product Generator and radars. Funding supports the tri-agency cost sharing agreement between the Department of Defense, the Department of Commerce, and the Department of Transportation.

b. SPACE WEATHER: The Space Environmental Monitoring mission is to provide timely space weather support through observation, analysis, and forecasting of solar phenomena and the state of the magnetosphere and ionosphere inhibiting or enhancing DoD's ability to operate in the air and space environment. The AFWA collects, processes, and analyzes data on solar activity. Alerts, warnings, and forecasts are then produced and distributed to worldwide users. These products allow warfighters to mitigate the impact of space weather on activities such as high frequency radio communications, the accuracy of global positioning system navigation, satellite anomaly resolution, and space operations.

(1) MOD# 93-005, RADIO SOLAR TELESCOPE NETWORK (RSTN): No FY07 funds are requested.

3. JOINT SURVEILLANCE SYSTEM: No FY07 funds are requested.

4. SHARED EARLY WARNING SYSTEM (SEWS): Funds procure equipment upgrades for the SEW-specific equipment at Theater Combatant Commander locations, partner nations, and the Centralized Distribution Facility at Peterson AFB, CO, where data is initially received and filtered, and at the inject points where data is transmitted to SEWS customers and other foreign partner nations. Development funding for SEWS is in Program Element 0308699F.

5. MOBILE CONSOLIDATED COMMAND CENTER (MCCC): Funds procure replacement components for commercial-off-the shelf (COTS) products, which are integral to the US Northern Command MCCC. Programmed replacement ensures operational currency to meet MCCC mission requirements. COTS products have an estimated 18-month life cycle before product upgrades and planned obsolescence. Specific systems replenishment includes the Data Distribution System and Defense Red Switch Network.

Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
COMM ELECT MODS

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR TRAFFIC CONTROL LANDING SYSTEM (ATCALS)							{$11,792}			{$10,577}			{$12,335}
AN/TRN-26 TECHNICAL UPGRADE	A						$2,779						
AN/GRN-29, INSTRUMENT LANDING SYSTEM GROUND	A						$1,622			$2,100			
AN/GPN-22(V) RADAR SET GROUP TRANSMITTER	A						$5,860			$3,600			$7,800
AN/TPN-19 RADAR SET GROUP TRANSMITTER MOD	A									$4,000			$1,800
VOR/VORTAC/TACAN MODIFICATIONS	A												$2,295
MISCELLANEOUS LOW COST MODS	A						$1,531			$877			$440
WEATHER OBSERVATION & FORECAST SYSTEM													
GROUND WEATHER							{$9,863}			{$10,520}			{$15,064}
MOD# 94-003B, NEXRAD OPEN RADAR DATA ACQUISITION (ORDA)	A						$1,804			$1,178			
MOD# 98-001, AIR FORCE WEATHER AGENCY (AFWA) DISSEMINATION SUBSYSTEM	A						$657			$909			$4,539
MOD# 98-003, WEATHER FORECASTING	A						$4,043			$4,403			$5,411
MOD# 00-002, TACTICAL WEATHER RADAR (TWR)	A						$850						
MOD# 00-004, AIR FORCE COMBAT CLIMATOLOGY CENTER - REPLACEMENT (AFCCC-R) UPGRADE	A						$650			$650			$1,339

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
COMM ELECT MODS

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MOD# 02-002, AUTOMATED SURFACE OBSERVING SYSTEM (ASOS)	A						$517			$705			$431
MOD# 00-005, DIRECT READOUT TERMINAL	A						$1,342						
MOD# 00-001 NEXRAD UPGRADES	A									$2,675			$3,344
SPACE WEATHER							{$1,296}			{$1,156}			
MOD# 93-005, RADIO SOLAR TELESCOPE NETWORK (RSTN)	A						$1,296			$1,156			
JOINT SURVEILLANCE SYSTEM	A						$1,141						
SHARED EARLY WARNING SYSTEM (SEWS)	A						$285			$1,508			$291
MOBILE CONSOLIDATED COMMAND CENTER (MCCC)	A						$428			$621			$654
TOTALS:							$24,805			$24,382			$28,344

Remarks:
Total Cost information is in thousands of dollars.

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

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OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** NIGHT VISION GOGGLES

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$20,920	$11,807	$19,304	$21,003	$22,979	$23,550	$23,936

Description:

1. Modern warfare resulted in an increase in airborne combat under the cover of darkness. Night missions include ground operations, preparation of the aircraft for takeoff and landings in complete darkness, lights-off air refueling, and visual identification of enemy targets hidden under the night sky. Panoramic Night Vision Goggles (PNVGs) provide the capability to see in night/low visibility conditions, as well as high light conditions such as full moon or heavily lighted residential areas. PNVGs are essential for combat rescue, special operations, and Homeland Security; incorporating a 95 degree field of view reduces the possibility of mid-air collisions during combat/non-combat missions. The goggles are helmet-mounted, battery and/or aircraft powered, and weigh approximately 24.5 ounces.

2. The lack of Night Vision Goggles (NVGs) will significantly impact combat capability in ever increasing night operations by decreasing flight safety and increasing the risk of fratricide. HH-60 helicopters, HC-130, F-16, and special mission C-130 aircraft operate primarily in covert night operations, frequently in a low-altitude environment. NVGs are vital to the success of these missions, providing a dramatic increase in safety, situational awareness, and survivability by allowing the use of near daytime tactics, including visual formation criteria. The proliferation of NVG equipped adversaries highlights the urgent need to supply the following critical night vision equipment.

Ground Crew Goggles:

a. AN/PVS-7D Ground Crew Goggle. This ground crew goggle is used primarily by security forces in conducting air base defense, counter-narcotics,and anti-terrorist operations. The goggle is also used by base recovery after-attack teams and by some non-cockpit aircrew members. The goggle is monocular with a third-generation image intensifier.

b. AN/PVS-14 Ground Crew Goggle. This monocular night vision device is a hand-held, head mounted, helmet mounted, or weapon mounted night vision system that enables walking, weapon firing, short-range surveillance, map reading, vehicle maintenance, and administering first aid in both moonlight

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** NIGHT VISION GOGGLES

Description (continued):

and starlight. The large array of capabilities support a vast spectrum of ground and air operations to include aircraft maintenance, civil engineering, emergency response, and security, to name a few. The monocular is also equipped with an IR source, a low-battery indicator, gain control, and a third-generation image intensifier.

c. AN/PVS-15 Ground Crew Goggle. This binocular goggle is a helmet mounted or hand-held night vision system. The binocular goggle is primarily used by Special Forces for night drop operations. They can be used in all night time ground operations. The use of the binocular goggle provides the added ability to maintain night vision operations in the event one of the two tubes fails.

d. AN/PVS-18 Ground Crew Goggle. This monocular night vision device is capable of helmet or weapons mounting, has a rugged housing and is designed for ground combat airman. The AN/PVS - 18 offers greatly improved capability with glasses, goggles, or gas mask and is submersible. They provide greater depth perception and added capability to respond to light flash. In addition, they allow movement between little to no light situations and instances of increased light such as close quarters combat and urban operations.

Air Crew Goggles:

a. Panoramic Night Vision Goggle (PNVG). The panoramic night vision capability provides the user with an expanded field of view, which enhances situational awareness and confidence to maneuver safely at night. PNVGs provide aircraft personnel with the capability to see the horizon, terrain features, and enemy ground fire, while reducing the potential for air-to-ground fratricide and mid-air collisions during night operations. The PNVG goggle is used by Air Combat Command (ACC), Air Mobility Command (AMC), Air Education and Training Command (AETC), United States Air Forces in Europe (USAFE), Pacific Air Force (PACAF), Air Force Space Command (AFSPC), Air Force Special Operations Command (AFSOC), the Air National Guard (ANG), and Air Force Reserve Command (AFRC). Associated development funding is found in PE 0702833F.

b. F-4949 Aircrew Goggle. The F-4949 night vision goggle provides aircraft and ground personnel with the capability to see the horizon, terrain features, and enemy ground fire, as well as reducing the potential for air-to-ground fratricide and possible mid-air collisions during night operations. This goggle is helmet mounted and weighs approximately 28 ounces. The F-4949 goggle is used by ACC, AMC, AETC, USAFE, PACAF, AFSPC, AFSOC, ANG, and AFRC

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** NIGHT VISION GOGGLES

Description (continued):

Test Sets:

a. Test Set, Infinity Focus. NVGs require an operational checkout prior to flying. The infinity focus test set (ANV-20/20) is a portable instrument, which allows quick and accurate evaluation and adjustment of all goggle parameters.

b. Test Set, Infrared Viewer (ANV-126A). The ANV-126A is a commercial upgrade and replacement of the ANV-126. It is suitable for both field operational checks and depot level NVG maintenance. It provides accurate checks for NVG resolution, gain, power drain, binocular goggle collimation, image quality, and image distortion. The ANV-126A uses state of the art technology and provides enhanced capabilities to the user. This is a commercial item.

3. FY07 funding reflect requirements that equip combat airman with improved night vision equipment. A significant portion of these requirements were under funded in FY06. Remaining requirements are driven by the need to replace older equipment that lacks intensification capability and are no longer supportable or replaceable with like assets. The FY07 funding also reflects increased cost of night vision equipment with improved technology/capability.

4. In FY05, Night Vision Goggles received $3.188M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** NIGHT VISION GOGGLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1. GROUNDCREW GOGGLES				2,218	{$8,977}	187	{$693}	149	{$577}
AN/PVS-7D GROUNDCREW GOGGLES	A			169	$529				
AN/PVS-7D GROUNDCREW GOGGLES	A			1,170	$3,662	121	$400	119	$423
AN/PVS-14 GROUNDCREW GOGGLES	A			337	$1,043	50	$161	20	$70
AN/PVS-15 GROUNDCREW GOGGLES	A			66	$490	16	$132	10	$84
AN/PVS-15 GROUNDCREW GOGGLES	A			313	$2,519				
AN/PVS-18 GROUNDCREW GOGGLES	A			1	$4				
AN/PVS-18 GROUNDCREW GOGGLES	A			162	$729				
2. AIRCREW GOGGLES				180	{$9,600}	247	{$11,004}	373	{$18,468}
PANORAMIC NIGHT VISION GOGGLES	A			145	$7,250	135	$10,378	371	$18,454
PANORAMIC NIGHT VISION GOGGLES	A			35	$2,350				
F-4949G AIRCREW GOGGLES	A					62	$345	1	$7
F-4949H AIRCREW GOGGLES	A					50	$281	1	$7
TEST SETS				171	{$2,343}	8	{$110}	13	{$259}
TEST SET, INFINITY FOCUS	A			68	$333	5	$28	3	$17

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** NIGHT VISION GOGGLES

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TEST SET, INFINITY FOCUS	A			21	$116				
TEST SET, INFRARED VIEWER (ANV-126A)	A			82	$1,894	3	$83	10	$243
TOTALS:				2,569	$20,920	442	$11,807	535	$19,304

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
GROUNDCREW GOGGLES									
AN/PVS-7D GROUNDCREW GOGGLES									
FY2005(1)	1,170	$3,130	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ ITT/ ROANOKE, VA	Mar-05	Jan-06		
FY2005(1)	169	$3,130	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ ITT/ ROANOKE, VA	Sep-05	Aug-06		
FY2006(6)	121	$3,305	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ ITT/ ROANOKE, VA	Feb-06	Feb-07	Yes	
FY2007(6)	119	$3,557	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ ITT/ ROANOKE, VA	Jan-07	Jan-08	Yes	
AN/PVS-14 GROUNDCREW GOGGLES									
FY2005(1)	337	$3,095	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ ARMY/ CECOM/ ITT/ ROANOKE, VA	Mar-05	Jul-05		
FY2006(7)	50	$3,220	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ LITTON/ TEMPE, AZ	Jan-06	Jan-07		
FY2007(7)	20	$3,475	AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ CECOM/ LITTON/ TEMPE, AZ	Jan-07	Jan-08	Yes	
AN/PVS-15 GROUNDCREW GOGGLES									
FY2005(2)	66	$7,431	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/ LITTON/ TEMPE, AZ	Apr-05	Apr-06		
FY2005(2)	313	$8,049	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/ LITTON/ TEMPE, AZ	Sep-05	Aug-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
FY2006(2)	16	$8,270	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/ LITTON/ TEMPE, AZ	Feb-06	Feb-07	Yes	
FY2007(2)	10	$8,414	AFMC/WR-ALC	MIPR/OPT/FFP	NAVY/ LITTON/ TEMPE, AZ	Jan-07	Jan-08	Yes	
AN/PVS-18 GROUNDCREW GOGGLES									
FY2005(8)	1	$4,498	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY/ LITTON/ TEMPE, AZ	Feb-06	Jan-07	Yes	
FY2005(8)	162	$4,498	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY/ LITTON/ TEMPE, AZ	Oct-05	Dec-06		
AIRCREW GOGGLES									
PANORAMIC NIGHT VISION GOGGLES									
FY2005(3)	145	$50,000	AFMC/ASC	OPT/FFP	AF/ INSIGHT TECH/ LONDONDERRY, NH	Oct-04	Oct-06		
FY2005(3)	35	$67,142	AFMC/ASC	OPT/FFP	AF/ INSIGHT TECH/ LONDONDERRY, NH	Aug-05	May-07		
FY2006	135	$76,875	AFMC/ASC	SS/FFP W/OPT	AF/ INSIGHT TECH/ LONDONDERRY, NH	Apr-06	Jul-07	Yes	
FY2007	371	$49,741	AFMC/ASC	OPT/FFP	AF/ INSIGHT TECH/ LONDONDERRY, NH	Jan-07	Nov-07	Yes	
F-4949G AIRCREW GOGGLES									
FY2006(4)	62	$5,564	AFMC/WR-ALC	OPT/FFP	ITT/ ROANAKE, VA	Feb-06	Dec-06	Yes	
FY2007	1	$7,044	AFMC/WR-ALC	C/FFP	UNKNOWN	Jan-07	Jan-08	No	Mar-06

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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
F-4949H AIRCREW GOGGLES									
FY2006(4)	50	$5,613	AFMC/WR-ALC	OPT/FFP	ITT/ ROANAKE, VA	Feb-06	Dec-06	Yes	
FY2007	1	$7,044	AFMC/WR-ALC	C/FFP	UNKNOWN	Jan-07	Jan-08	No	Mar-06
TEST SETS									
TEST SET, INFINITY FOCUS									
FY2005(5)	68	$4,895	AFMC/WR-ALC	OPT/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Apr-05	Aug-05		
FY2005(5)	21	$5,500	AFMC/WR-ALC	OPT/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Sep-05	Mar-06		
FY2006(5)	5	$5,500	AFMC/WR-ALC	OPT/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Mar-06	Jan-07	Yes	
FY2007	3	$5,500	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Jan-07	Mar-07	Yes	
TEST SET, INFRARED VIEWER (ANV-126A)									
FY2005(5)	82	$23,100	AFMC/WR-ALC	OPT/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Apr-05	Sep-06		
FY2006(5)	3	$27,500	AFMC/WR-ALC	OPT/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Mar-06	Jan-07	Yes	
FY2007	10	$24,250	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/ STAMFORD, CT	Jan-07	Mar-07	Yes	

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
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

Cost information is in actual dollars.

(1) Basic Contract DAAB07-02-C-J009 awarded in FY02 w/4 option years
(2) New Contract N00164-04-D-8530 awarded in FY04 w/4 option years
(3) Basic Contract FA8607-04-C-2752 awarded in FY04 with options for 400 each.
(4) Basic Contract FA8522-04-D-0015 awarded in FY04 w/4 option years
(5) Basic Contract F09603-02-D-0071 awarded in FY02 w/4 option years
(6) New Army Contract W9124Q-05-D00621 awarded FY05 w/4 option years
(7) New Army Contract W9124Q-05-D-0823 awarded FY05 w/4 option years
(8) Navy Basic Contract N00164-05-D-8554 awarded FY05 w/4 option years

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$22,025	$17,382	$14,593	$15,490	$15,832	$18,223	$18,517

Description:

1. The Mechanized Material Handling Equipment line provides funding for Mechanized Material Handling Systems (MMHS), Storage Aids Systems (SAS), and Automatic Identification Technology (AIT) projects.

a. MMHS/SAS PROGRAMS: MMHS and SAS programs provide bases worldwide with automated and static equipment to store, receive, and ship material. MMHS and SAS equipment involves the design and acquisition of mechanized and non-mechanized material handling systems such as receiving, storage, and distribution systems; high density storage systems; and a variety of SAS equipment including racks, bin shelving, modular cabinets, and mezzanines. Transportation systems generally include equipment such as inbound/outbound baggage conveyor systems for passenger terminals; heavy duty freight handling 463L conveyors, pallet build-up/breakdown lift conveyor stations, cargo staging racks, and overhead bridge cranes for air freight terminal systems; roller conveyors and overhead cranes for aerial delivery facility systems; narrow aisle vehicle replacements; and external aircraft fuel tank storage systems. Adequately equipped facilities are essential to the storage and handling of weapon system components, and the processing of personnel, baggage, and freight to reduce pipeline time and to provide Air Force capability to respond to crises and threats whenever they occur in the world. MMHS/SAS equipment increases the productivity of Air Force support personnel, enhances management control of assets, reduces multiple handling of logistics material, increases flexibility at a minimum investment cost, enhances safety, reduces losses due to damage of materials in transport, and reduces congestion and delays in supply, passenger, and air freight terminal operations.

b. AIT PROGRAMS: AIT is a collection of enabling technologies including linear and two-dimensional bar codes, radio frequency identification, smart cards, memory cards, laser cards, touch memory, and voice and biometrics identification. These technologies provide timely and accurate automatic capture, aggregation, and transfer of data to management information systems with minimal human involvement. Project funding enables compatibility of Air Force and industry standards in the core areas of supply, transportation, and maintenance, as well as weaving commercial AIT business practices and standards into Air Force logistics infrastructure. AIT management information systems include, but are not limited to: Point of Maintenance Initiative, Civil Engineering Readiness System, Passive Radio Frequency Identification Military Shipping, Radio Frequency Identification, Radio Frequency Identification

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

Description (continued):

Smart Pallet, Crypto Inventory Control System, Explosive Ordinance AIT, Combat Ammunition System, Hazmat AIT Tracking, and Web Enabled AIT Doc Tool.

2. In FY06, Mechanized Material Handling Equipment received a $3M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005). This funding is for the Point of Maintenance/Combat Ammunition System initiative.

3. Mechanized Material Handling projects are identified on the attached P-40A and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements .

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MECHANIZED MATERIAL HANDLING EQUIPMENT (1)					{$22,025}		{$17,382}		{$14,593}
AIR COMBAT COMMAND (ACC)					{$1,318}		{$520}		{$800}
EXTERNAL ACFT FUEL TANK STORAGE SYSTEM	A				{$891}				
LANGLEY AFB, VA (MCP) (1)					$891				
STORAGE AIDS SYSTEM	A				{$177}		{$220}		{$400}
HOLLOMAN AFB, NM									$150
MINOT AFB, ND									$250
SHAW AFB, SC (MCP) (1)					$177				
LANGLEY AFB, VA							$220		
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A				{$250}		{$300}		{$400}
DYESS AFB, TX									$400
LANGLEY AFB, VA					$250				
NELLIS AFB, NV (MCP) (1)							$300		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR EDUCATION & TRAINING COMMAND (AETC)					{$1,123}		{$500}		{$125}
STORAGE AIDS SYSTEM	A				{$427}				{$125}
COLUMBUS AFB, MS									$125
KIRTLAND AFB, NM					$191				
VANCE AFB, OK (MCP) (1)					$236				
NARROW AISLE VEHICLE REPLACEMENT	A				{$696}		{$500}		
LACKLAND AFB, TX					$306		$500		
MAXWELL AFB-GUNTER ANNEX, AL					$390				
AF CIVIL ENGINEERING & SUPPORT AGENCY (AFCESA)					{$100}		{$341}		{$150}
STORAGE AIDS SYSTEM	A				{$100}		{$341}		{$150}
AF WIDE							$191		
ALTUS AFB, OK									$150

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SEYMOUR JOHNSON AFB, NC							$150		
WHITEMAN AFB, MO					$100				
AIR FORCE MATERIEL COMMAND (AFMC)					{$357}		{$926}		{$650}
HIGH DENSITY STORAGE SYSTEM	A				{$75}		{$200}		
HILL AFB, UT					$75				
WRIGHT-PATTERSON AFB, OH							$200		
OVERHEAD BRIDGE CRANES	A				{$75}				
ROBINS AFB, GA					$75				
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A						{$226}		
ROBINS AFB, GA							$226		
STORAGE AIDS SYSTEM	A				{$207}		{$500}		{$650}

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HILL AFB, UT							$300		$650
KIRTLAND AFB, NM					$207				
TINKER AFB, OK							$200		
AIR FORCE RESERVE COMMAND (AFRC)							{$160}		{$100}
AERIAL DELIVERY FACILITY	A						{$160}		
PETERSON AFRB, CO (MCP)							$160		
STORAGE AIDS SYSTEM	A								{$100}
WILLOW GROVE ARS, PA									$100
AIR FORCE SPACE COMMAND (AFSPC)					{$296}		{$396}		{$400}
STORAGE AIDS SYSTEM	A				{$296}		{$396}		
MALMSTROM AFB, MT							$200		
MINOT AFB, ND							$196		

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
PETERSON AFB, CO					$296				
OVERHEAD BRIDGE CRANES	A								{$400}
FE WARREN AFB, WY									$400
AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC)									{$200}
STORAGE AIDS SYSTEM	A								{$200}
MOODY AFB, GA									$200
AIR MOBILITY COMMAND (AMC)					{$8,271}		{$8,172}		{$8,878}
AIR FREIGHT TERMINAL	A				{$5,296}		{$6,952}		{$8,007}
CHARLESTON AFB, SC							$5,300		
DOVER AFB, DE									
ELMENDORF AFB, AK					$302				
INCIRLIK AB, TU							$500		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
KADENA AB, JA (MCP) (1)							$600		
MCGUIRE AFB, NJ (MCP) (1)					$103				
NORFOLK NAS, VA					$2,341		$552		
SIGONELLA NAS, IT					$550				
TRAVIS AFB, CA					$2,000				
YOKOTA AB, JA (MCP) (1)									$8,007
BAGGAGE CONVEYOR SYS	A				{$150}		{$350}		
ELMENDORF AFB, AK					$150				
IWANKUNI MCAS, JA (MCP) (1)							$350		
HIGH DENSITY STORAGE SYSTEM	A				{$1,150}		{$400}		{$871}
DOVER AFB, DE							$250		
MCGUIRE AFB, NJ (MCP) (1)					$400				
TRAVIS AFB, CA (MCP) (1)					$750		$150		$871

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A						{$350}		
FAIRCHILD AFB, WA (MCP) (1)							$350		
STORAGE AIDS SYSTEM	A				{$1,053}		{$120}		
AF WIDE					$135		$120		
DYESS AFB, TX (MCP) (1)					$229				
MCGUIRE AFB, NJ (MCP) (1)					$114				
SPANGDAHLEM AB, GE (MCP) (1)					$300				
TRAVIS AFB, CA (MCP)					$275				
AERIAL DELIVERY FACILITY	A				{$480}				
DYESS AFB, TX					$163				
POPE AFB, NC (MCP) (1)					$317				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
NARROW AISLE VEHICLE REPLACEMENT	A				{$142}				
GRAND FORKS AFB, ND					$142				
AIR NATIONAL GUARD (ANG)					{$1,694}		{$921}		{$900}
463L CONVEYOR	A				{$150}				
CAMP BLANDLING ANGB, FL					$150				
AERIAL DELIVERY FACILITY	A						{$221}		
NORTH KINGSTON ANGB, RI (MCP) (1)							$221		
HIGH DENSITY STORAGE SYSTEM	A						{$100}		
NORTH KINGSTON ANGB, RI (MCP) (1)							$100		
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A				{$1,200}				{$500}
ANDREWS AFB, MD (MCP) (1)					$250				

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
BRADLEY ANGB, CT (MCP) (1)					$200				
ROSECRANS ANGB, MO (MCP) (1)									$500
SELFRIDGE ANGB, MI (MCP) (1)					$250				
SYRACUSE ANGB, NY MCP (1)					$300				
TOLEDO ANGB, OH (MCP) (1)					$200				
STORAGE AIDS SYSTEM	A				{$344}		{$600}		{$400}
BUCKLEY ANGB, CO (MCP) (1)					$144				
CHEYENNE ANGB, WY (MCP) (1)					$150				$400
FORT BLISS, TX (ANGB SECURITY FORCES) (MCP) (1)							$250		
LITTLE ROCK ANGB, AR (MCP) (1)					$50				
NORTH KINGSTON ANGB, RI (MCP) (1)							$150		
RENO ANGB, NV (MCP) (1)							$200		
PACIFIC AIR FORCES (PACAF)					{$754}		{$259}		{$250}

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A						{$259}		{$250}
ELMENDORF AFB, AK									$250
OSAN AB, KO (MCP) (1)							$259		
STORAGE AIDS SYSTEM	A				{$754}				
HICKAM AFB, HI (MCP) (1)					$754				
US AIR FORCES EUROPE (USAFE)					{$385}		{$310}		{$300}
NARROW AISLE VEHICLE REPLACEMENT	A						{$60}		{$150}
KEFLAVIK NAS, IC							$60		
RAF LAKENHEATH, UK									$150
STORAGE AIDS SYSTEM	A				{$385}		{$160}		{$150}
RAF MILDENHALL, UK									$150
RAMSTEIN AB, GE							$160		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SPANGDAHLEM AB, GE					$385				
RECEIVING, STORAGE & DISTRIBUTION SYSTEM	A						{$90}		
RAF MILDENHALL, UK							$90		
USAF-WIDE/AIT					{$1,727}		{$1,877}		{$1,840}
COMBAT AMMUNITION SYSTEM	A						{$577}		
AF WIDE							$577		
CIVIL ENGINEERING READINESS SYSTEM	A				{$800}				
LANGLEY AFB, VA					$800				
CRYPTO INVENTORY CONTROL SYSTEM	A						{$800}		
LACKLAND AFB, TX							$800		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
EXPLOSIVE ORDINANCE AIT	A				{$400}				
TYNDALL AFB, FL									
HAZMAT AIT TRACKING	A				{$227}				
EDWARDS AFB, CA					$227				
PASSIVE RADIO FREQUENCY MILITARY SHIPPING LABELS	A				{$300}				
AF WIDE					$300				
POINT OF MAINTENANCE (POMX)	A						{$500}		
AF WIDE							$500		
RADIO FREQUENCY IDENTIFICATION	A								{$550}
AF WIDE									$550

	P-1 ITEM NO		PAGE NO:		Page 12 of 13
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RADIO FREQUENCY IDENTIFICATION-SMART PALLET	A								{$650}
DOVER AFB, DE									$650
WEB ENABLED AIT DOC TOOL	A								{$640}
MAXWELL AFB-GUNTER ANNEX, AL									$640
USAF-WIDE/POMX					{$6,000}		{$3,000}		
WORLDWIDE CONGRESSIONAL ADD	A				$6,000		$3,000		
TOTALS:					$22,025		$17,382		$14,593

Remarks:

Cost information is in thousands of dollars.

(1) (MCP) - MMHS Projects associated with Military Construction Projects.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** BASE PROCURED EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$13,972	$49,492	$11,417	$12,169	$12,379	$6,952	$7,071

Description:

1. To reduce costs, federal policy relieves the services from wholesale management of non-military or commercial items. Bases and units throughout the Air Force acquire authorized equipment of this nature directly from the General Services Administration (GSA), Defense Logistics Agency (DLA), other services, or commercial sources. Base Procured Equipment (BPE) provides funds for local procurement of equipment costing $250,000 or more, which is not centrally managed and procured. Typically BPE procures equipment and/or specialized tools for road and ground maintenance; vehicle maintenance; vehicle corrosion control; civil engineering maintenance, electrical and carpentry shops; specialized laboratories; kitchen and dining facilities; printing plants; microfilm and graphics support facilities; and to satisfy air conditioning and heating requirements.

2. The equipment described above is needed for day-to-day maintenance and operation of bases, and for weapons and support systems assigned to active, Air National Guard, and Air Force Reserve forces. The program supports installations at multiple major commands. Requirements and priorities are affected by assignment and conversion of new equipment; bed down of new weapon systems; reorganizations; natural disasters; new operational methods to increase efficiency and safety; and energy conservation initiatives.

3. In FY05, BPE received $387K in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

4. In FY06, BPE received a $3.3M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005). This funding is for Engineered Building Machines and a Laser Marksmanship Training System.

5. In FY06, BPE received $27.5M in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** BASE PROCURED EQUIPMENT

Description (continued):

6. BPE requirements programmed by Air Force major commands and/or field operating agencies are displayed on the following P-40A Budget Exhibit.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:
BASE PROCURED EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
PACIFIC AIR FORCES	A				$554		$574		$583
AF SPEC OPERATIONS CMD	A				$579		$599		$607
AIR COMBAT CMD	A				$3,600		$4,155		$2,906
US AIR FORCES EUROPE	A				$639		$661		$668
AIR FORCE SPACE CMD	A				$462				
AFSPC	A						$469		$476
AIR MOBILITY CMD	A								
AIR EDUCATION & TRNG CMD	A				$2,104		$41,266		$4,389
US AIR FORCE ACADEMY	A				$1,247		$1,292		$1,305
AF CIVIL ENGR SPT AGENCY	A						$476		$483
AIR NATIONAL GUARD	A				$4,787				
AIR FORCE MATERIEL CMD	A								
TOTALS:					$13,972		$49,492		$11,417

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$15,101	$15,485	$16,377	$16,941	$18,809	$19,245	$16,630

Description:

1. Funding provides the medical equipment necessary to support the Combatant Commander across the full spectrum of military operations. A robust, scalable, and rapidly deployable medical capability is essential for medical force protection, prevention, and casualty care. Current doctrine and diminished forward basing requires the Air Force to maintain the majority of medical War Reserve Materiel (WRM) in CONUS. To meet the combatant commander's needs, expeditionary assets must be fully mission capable, ready for any tasking, and rapidly transportable to any location in the world. Upon arrival, WRM assets must be quickly assembled and capable of treating casualties within hours. In many cases, typical hospital equipment is too fragile, too heavy, or incompatible with operations in certain climates/threat environments (e.g., cold, hot, dry, humid, chemically contaminated). Aeromedical Evacuation equipment must also meet stringent requirements for use on multiple airframes. Medical WRM equipment provides two critical capabilities to the Joint Force Commander: first, it provides the lifesaving capability to keep wounded-in-action personnel alive from point of injury and through the aeromedical evacuation process so more definitive care can be provided and, secondly, it enables medical staffs to return noncritically injured personnel to their units as quickly as possible.

2. The following WRM equipment items/projects are funded by this program:

a. Modernization and Replacement of Centrally Managed Equipment items: This program provides for replacement and modernization of centrally-managed and procured WRM equipment items. This funding procures equipment items and components using a mission-based priority system. Funding constraints often dictate procuring less than the inventory objective of each item. To maximize the number of 100% deployable units, some of each of the following requirements are being procured:

(1) Communications Equipment
(2) Field Deployable Environmental Control Units
(3) Generators, Power Distribution Systems

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL EQUIPMENT

Description (continued):

b. Deployable Oxygen System: Provides United States Pharmacopoeia 93% therapeutic medical grade oxygen in deployed scenarios including wartime operations, deterrence and contingency operations, peacetime engagement, crisis response, and humanitarian relief operations. Aeromedical evacuation and ground-based medical missions require an oxygen generating system capable of providing therapeutic oxygen to patients and to oxygen-driven life support equipment both in-flight and on the ground. The current methods employed to meet these requirements are becoming logistically unsupportable.

The current system of using liquid oxygen stores is no longer sustainable. As the Air Force transitioned to on-board oxygen generating systems for its aircraft, liquid oxygen resupply capability located in theaters of operations virtually disappeared. This, combined with recent deployments of aeromedical evacuation and ground medical units farther forward in the combat zone, led to heightened difficulties in oxygen storage sustainment. An advanced oxygen production and storage system is needed to overcome these obstacles.

Multiple oxygen production and storage systems are presently commercially available. These systems meet many existing capability needs, however, a spiral development approach is essential to fully meet our deployable oxygen capability requirements. Reference PE 0604617F for Research and Development funds associated with the Deployable Oxygen System program.

c. Theater Medical Information Program (TMIP): Incorporates all DoD medical information systems that have a theater application. Wartime medical communication requirements differ radically from peacetime requirements. Commanders require real-time situational awareness information such as wounded-in-action personnel and their treatment--type, numbers, location; reports detailing casualty location and medical status ranging from the front line to rear echelons; logistics resupply data--resource consumption information, supply inventories, logistical pipeline data, material in-transit visibility data, what materiel can be diverted to satisfy a higher priority; and medical personnel--matching medical/surgical capability and availability/locations with wounded-in-action requirements.

The current medical wartime communications infrastructure consists of readily available land lines and radio technology that dates from the late 1950s. The TMIP will provide inter/intra-unit medical communications systems for Air Force theater medical units through use of secure and non-secure telephone lines, wireless, and satellite media. The result will be a deployable, organic medical information infrastructure that is capable of transmitting voice, electronic mail, data and images, and is interoperable with other services/communications systems. It will integrate new and existing high frequency and ultra high frequency radios, satellite communications, and computer systems. Funding provides information management hardware required for the TMIP system in

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL EQUIPMENT

Description (continued):

our medical assemblies.

d. Aeromedical Patient Isolation Unit: Based on Strategic Planning Guidance, the Air Force integrated capabilities review and risk assessment (ICRRA) process outlined a critical gap in capability to aeromedically evacuate contagious patients. Contagious patients are those personnel exposed to biological threat agents in the operating environment (e.g. Ebola, Marburg, Anthrax, Smallpox). The patient isolation unit provides a high level of universal protection for aircraft occupants (medical personnel/noncontagious patients/aeromedical evacuation mission crew) while still enabling medical personnel to render uninterrupted patient care in the air. Finally, the patient isolation unit is designed to prevent contamination of the airlift platform (e.g., C-17, KC-135, etc.) preserving mission readiness for the next airlift requirement. This requirement is linked to FY06 Research and Development funding in PE 0401133F Aeromedical Evacuation. Procurement of this capability begins in FY07.

3. In FY05, Medical/Dental Equipment received $1.147M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

4. In FY06, Medical/Dental Equipment received a $1M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005). This funding is for the Expeditionary Deployable Oxygen Concentration System and Mobile Oxygen Storage Tank.

5. Medical/Dental equipment items requested on the following P-40A are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MODERNIZATION & REPLACEMENT	A			1	$6,340	1	$6,500	1	$6,129
DEPLOYABLE OXYGEN SYSTEM	A			1	$7,261	1	$6,790	1	$6,000
THEATER MEDICAL INFO PROGRAM	A			1	$1,500	1	$2,195	1	$2,515
AEROMEDICAL PATIENT ISOLATION UNIT	A							1	$1,733
TOTALS:				3	$15,101	3	$15,485	4	$16,377

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL 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
MODERNIZATION & REPLACEMENT									
FY2005(1-2)			AFMLO	C/FFP	MULTIPLE	Jan-05	Mar-05		
FY2006(1-2)			AFMLO	C/FFP	MULTIPLE	Jan-06	Mar-06		
FY2007(1-2)			AFMLO	C/FFP	UNKNOWN	Jan-07	Mar-07	Yes	
DEPLOYABLE OXYGEN SYSTEM									
FY2005(1)			AFMLO	C/FFP	MULTIPLE	Mar-05	Aug-05		
FY2006(1)			AFMLO	C/FFP	UNKNOWN	Mar-06	May-06	Yes	
FY2007(1)			AFMLO	C/FFP	UNKNOWN	Mar-07	May-07	Yes	
THEATER MEDICAL INFO PROGRAM									
FY2005(1,3)			AFMC/HSC	C/FFP	MULTIPLE	Jan-05	Feb-05		
FY2006(1,3)			AFMC/HSC	C/FFP	MULTIPLE	Jan-06	Feb-06		
FY2007(1,3)			AFMC/HSC	C/FFP	UNKNOWN	Jan-07	Feb-07	Yes	
AEROMEDICAL PATIENT ISOLATION UNIT									
FY2007(1)			AFMC/HSC	C/FFP	UNKNOWN	Jan-07	Mar-07	No	Nov-06

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MEDICAL/DENTAL 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

Remarks:

(1) Quantities and unit costs vary based on size/configuration of medical War Reserve Materiel (WRM) assemblage and components required.
(2) AFMLO (Air Force Medical Logistics Office, Fort Detrick, Maryland) uses various contracts at multiple Air Logistic Centers (ALCs) with companies such as Motorola Inc, Hanover, MD; Harris Corporation, Rochester, NY; Radian Inc, Richmond, VA; Hunter Manufacturing, Solon, OH; and other manufacturers throughout the US. The award date and date of first delivery represent the first award of funding and the initial delivery of equipment.
(3) AFMC/HSC functions as the TMIP oversight office and integration facility for the AF/SG. AFMC/HSC uses various contracts with GSA to purchase additional TMIP items which do not require system integration.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** AIR BASE OPERABILITY

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$13,185	$5,389	$5,063	$6,148	$6,438	$6,571	$6,737

Description:

1. Air Base Operability (ABO), also known as Contingency Operations and part of the Agile Combat Support framework, provides integrated capabilities to support aircraft deployment, launch, recovery, and regeneration at air bases worldwide. ABO and Air Force Civil Engineering Readiness top priorities are to safely perform reconnaissance, locate and neutralize unexploded ordnance, and accomplish damage assessment. Force protection capabilities, including explosive ordnance disposal (EOD) operations, are increasingly vital in protecting personnel, aircraft, and other critical resources both at home and abroad. In addition to wartime operations, EOD supports global contingencies for force protection, relief efforts, and special operations. ABO capabilities provided by robotics programs are crucial in reducing time and danger when investigating and eliminating explosive hazards.

A. The All-purpose Remote Transport System (ARTS) is a low cost survivable platform capable of remote operations at distances of up to 3 miles. ARTS was designed as a delivery platform to support a basic set of EOD attachments and new attachments and tools to be developed and integrated over a period of several years (spiral development). It supports a multitude of contingency operations and is a vital component of global deployments and rapid response capabilities.

B. ARTS Attachments/EOD Support Equipment dramatically improves response time when neutralizing explosive hazards, thus saving lives and reducing damage. The Air Force requires the items identified on the attached P-5 for the safety of deployed personnel and expedient removal of unexploded ordnance hazards.

2. In FY05, Air Base Operations received $7.948M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

3. Items requested in FY07 are identified on the attached P-5 and are representative of items to be procured. Items procured during execution may change based upon critical equipment needed to support current Air Force mission requirements.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:
AIR BASE OPERABILITY

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR BASE OPERABILITY													
A. ARTS					6		{$3,140}			{$401}			{$1,031}
A.1. ARTS HARDWARE	A				6	$222,000	$1,332						
A.2. ARTS ENGINEERING CHANGE ORDERS (ECO)							$1,138			$401			$671
A.3. INTERIM CONTRACTOR SUPPORT (ICS)							$370						
A.4. PROGRAM SUPPORT							$300						$360
B. ARTS ATTACHMENTS/EOD SUPPORT EQUIPMENT					145		{$10,045}	128		{$4,988}	88		{$4,032}
B.1. RECOILLESS, MULTIDIRECTIONAL WATER CANNON MOUNT	A				6	$22,333	$134						
B.2. ARTS ALTERNATE CONTROL SYSTEM	A				7	$56,667	$397						
B.3. IMPROVED OPERATOR CONTROL STATION (IOCS)	A				7	$43,572	$305						
B.4. DATA FEEDBACK SYSTEM (DFS)	A				35	$41,000	$1,435	39	$41,000	$1,599			
B.5 ARTS BOX RAKE	A							31	$43,000	$1,333	43	$43,000	$1,849
B.6. ARTS TRAILERS	A							44	$17,500	$770	30	$18,000	$540
B.7. SUBMUNITIONS CLEARANCE SYSTEM (SCS)	A							12	$80,500	$966	10	$80,300	$803

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** AIR BASE OPERABILITY

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
B.8. EOD SMALL ROBOTS	A				90	$86,378	$7,774						
B.9. MAN TRANSPORTABLE ROBOTICS SYSTEM (MTRS)	A							2	$160,000	$320	5	$168,000	$840
TOTALS:							$13,185			$5,389			$5,063

Remarks:
Total Cost information is in thousands of dollars.

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** AIR BASE OPERABILITY

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
AIR BASE OPERABILITY									
A. ARTS									
A.1. ARTS HARDWARE									
FY2005(1)	6	$222,000	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/ SOUTH ROYALTON, VT	Dec-04	Apr-05		
B. ARTS ATTACHMENTS/EOD SUPPORT EQUIPMENT									
B.1. RECOILLESS, MULTIDIRECTIONAL WATER CANNON MOUNT									
FY2005(1)	6	$22,333	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/ SOUTH ROYALTON, VT	Jan-05	May-05		
B.2. ARTS ALTERNATE CONTROL SYSTEM									
FY2005(1)	7	$56,667	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/ SOUTH ROYALTON, VT	Mar-05	Feb-06		
B.3. IMPROVED OPERATOR CONTROL STATION (IOCS)									
FY2005(1)	7	$43,572	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/ SOUTH ROYALTON, VT	Jan-05	Aug-05		
B.4. DATA FEEDBACK SYSTEM (DFS)									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** AIR BASE OPERABILITY

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
FY2005	35	$41,000	AFMC/AAC	C/FFP W/OPT	UNKNOWN	Apr-06	Aug-06	Yes	
FY2006	39	$41,000	AFMC/AAC	OPT/FFP	UNKNOWN	Apr-06	Jan-07	Yes	
B.5. ARTS BOX RAKE									
FY2006	31	$43,000	AFMC/AAC	C/FFP W/OPT	UNKNOWN	May-06	Sep-06	Yes	
FY2007	43	$43,000	AFMC/AAC	OPT/FFP	UNKNOWN	Dec-06	Apr-07	Yes	
B.6. ARTS TRAILERS									
FY2006	44	$17,500	AFMC/AAC	OA/FFP W/OPT	UNKNOWN	Jun-06	Sep-06	Yes	
FY2007	30	$18,000	AFMC/AAC	OPT/FFP	UNKNOWN	Dec-06	Apr-07	Yes	
B.7. SUBMUNITIONS CLEARANCE SYSTEM (SCS)									
FY2006(2)	12	$80,500	AFMC/AAC	MIPR/OPT/FFP	NAVY/ PRECISION REMOTE, INC/ SAN FRANCISCO, CA	Aug-06	Dec-06	No	Jul-06
FY2007(2)	10	$80,300	AFMC/AAC	MIPR/OPT/FFP	NAVY/ PRECISION REMOTE, INC/ SAN FRANCISCO, CA	Apr-07	Aug-07	No	Jul-06
B.8. EOD SMALL ROBOTS									
FY2005	90	$86,378	HQ ACC	C/FFP	REMOTEC, INC/ OAK RIDGE, TN	Sep-05	Sep-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** AIR BASE OPERABILITY

ITEM NAME/ FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
B.9. MAN TRANSPORTABLE ROBOTICS SYSTEM (MTRS)									
FY2006	2	$160,000	AFMC/AAC	MIPR/FFP	NAVY/ NAVY/ NAVEODTECHDIV/ INDIANHEAD, MD	Jul-06	Nov-06	Yes	
FY2007	5	$168,000	AFMC/AAC	MIPR/FFP	NAVY/ NAVY/ NAVEODTECHDIV/ INDIANHEAD, MD	Dec-06	Feb-07	Yes	

Remarks:

Cost information is in actual dollars.

(1) Sole Source contract F08635-02-C-0100 awarded June 2002 with three option years.
(2) Basic Contract N00174-04-D-0001/FFP awarded 18 Dec 03. This is a quantity type contract.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** PRODUCTIVITY CAPITAL INVESTMENTS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$5,256	$5,253	$5,401	$0	$0	$0	$0

Description:

1. This P-1 line (previously called Productivity Investments) funds Air Force Productivity Capital Investment (PCI) projects in the Productivity Investment Fund (PIF) program. Funds are available to all Air Force organizations to encourage productivity enhancements for more efficient operations and focus on labor cost savings and reductions in unit costs of operations. This program conserves critical resources, enhances unit capability, and improves combat effectiveness. Major Commands (MAJCOMs) provide their own offsets from projected savings to sustain future investments for this program. Elimination of this funding would reduce the capability to implement productivity improvements and enhancements in the work place, throughout the Air Force.

a. To qualify for the PIF program, projects must cost $250,000 or more and amortize in less than four years. Projects are approved based on shortest payback and highest rate of return on investment. To date (Jan 2006), projects continue to yielded life cycle savings of over $3 for every $1 invested. Productivity Capital Investments is an ongoing program. Requirements and offsets for FY08 and beyond will be programmed every two years during Planning, Programming, Budgeting, and Execution cycles.

b. FY07 Productivity Capital Investment projects identified on the following P-40A are representative. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** PRODUCTIVITY CAPITAL INVESTMENTS

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1. PIF				5	{$5,256}	2	{$5,253}	1	{$5,401}
607TH COMBAT COMMUNICATIONS SQUADRON MODERNIZATION (PACAF)	A			1	$1,500	1	$3,487		
AF WIDE PROJECTS	A			1	$191	1	$1,766	1	$5,401
IATF APG-63(V1) TARGET GENERATOR (ACC)	A			1	$1,950				
ICELAND AIR DEFENSE SYSTEM (IADS) REMOTE MAINTENANCE MONITORING PROGRAM (RMMP)	A			1	$1,357				
THREE DIMENSIONAL TRAINERS (AETC)	A			1	$258				
TOTALS:				5	$5,256	2	$5,253	1	$5,401

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO		PAGE NO:		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** PRODUCTIVITY CAPITAL INVESTMENTS

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
1. PIF									
607TH COMBAT COMMUNICATIONS SQUADRON MODERNIZATION (PACAF)									
FY2005	1	$1,500	HQ PACAF	DO/FFP	NORTHROP GRUMAN COMPUTING SYSTEM/ GREENBELT, MD	Aug-05	Mar-06		
FY2006	1	$3,487	HQ PACAF	DO/FFP	NORTHROP GRUMAN COMPUTING SYSTEM/ GREENBELT, MD	Aug-06	Mar-07	Yes	
AF WIDE PROJECTS									
FY2005(2)	1	$191		/	UNKNOWN				
FY2006(2)	1	$1,766		/	UNKNOWN				
FY2007(2)	1	$5,401		/	UNKNOWN				
IATF APG-63(V1) TARGET GENERATOR (ACC)									
FY2005	1	$1,950	HQ ACC	C/FFP	RAYTHEON/ EL SEGUNDO, CA	Jan-06	Sep-07		
ICELAND AIR DEFENSE SYSTEM (IADS) REMOTE MAINTENANCE MONITORING PROGRAM (RMMP)									
FY2005(1)	1	$1,357	HQ USAFE	SS/FFP	MULTIPLE	Oct-05	Nov-05		

	P-1 ITEM NO		PAGE NO:		Page 1 of 2
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** PRODUCTIVITY CAPITAL INVESTMENTS

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
THREE DIMENSIONAL TRAINERS (AETC)									
FY2005	1	$258	HQ AETC	MIPR/SS/FFP	STRATASYS, INC/ EDEN PRAIRE, MN	Sep-05	Oct-05		

Remarks:

Cost information is in thousands of dollars.

(1) Contractors are (1) Radar Agency, Government of Iceland, Reykjavik, Iceland for the Sensor Control and Data Acquisition part of the RMMP and (2) Iceland Telecom, Reykjavik, Iceland for the Fiber Optic Network (FON) upgrade part of the RMMP.
(2) Air Force Wide Projects quantity and unit price will vary dependent on site configuration and types/configurations of equipment being procured.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY EQUIPMENT

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$262,972	$44,852	$26,043	$37,735	$59,188	$74,038	$31,908

Description:

1. MOBILITY EQUIPMENT: This program funds procurement of Basic Expeditionary Airfield Resources (BEAR). It includes equipment to support the beddown of deployed forces (personnel, aircraft, support equipment, and munitions) at austere sites lacking infrastructure. BEAR assets are a critical enabler for the Expeditionary Air Force. The BEAR program is in the midst of transitioning from 1100-person set (Harvest Falcon) configurations to 150 and 550-person force module packages. Force modules repackage existing BEAR sets into lighter, leaner, more deployable configurations. BEAR sets are composed of six types of support packages. The Swift BEAR set (a) supports 150 personnel and provides an "open the airbase" capability until follow-on forces arrive. The BEAR 550 Initial (b) and BEAR 550 Follow-on (c) Housekeeping packages provide support in 550-person increments with a robust tent city (kitchen, laundry, hygiene facilities, billeting, and power generation). The BEAR Industrial Operations (d) package continues to provide power generation, maintenance shops, airfield systems, water distribution, field exchange, and mortuary infrastructure. The BEAR Initial Flightline (e) and Follow-on Flightline (f) packages consist of airfield lighting, aircraft hangars, fire stations, and numerous additional systems to support flightline operations. Costs include inventory reconstitution, spares and consumables, repairs, and procurement of new equipment for upgrades or full set replacement. BEAR demonstrated its critical role in support of Operations Enduring Freedom and Iraqi Freedom. More recently, BEAR 550 Housekeeping sets proved invaluable in support of civil/military Hurricane Katrina recovery operations along the Gulf Coast. Continued taskings of BEAR assets nearly depleted available inventory. Current procurements support the replacement and replenishment of this critical enabler.

2. TRAINING EQUIPMENT: Training equipment provides new and replacement equipment items to support BEAR training facilities at Tyndall AFB, FL, Kadena AB, Japan, and Ramstein AB, Germany, as well as Air Force Reserve regional training sites.

3. MODERNIZATION: The AF continues to modernize major BEAR components to replace obsolete items (e.g. aircraft hangars, heaters, kitchens, refrigerators, water systems, and power generation).

4. In FY06, Mobility Equipment received $25.645M in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005)

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY EQUIPMENT

Description (continued):

"for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

5. Items requested in FY07 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.

WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:
MOBILITY EQUIPMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MOBILITY EQUIPMENT (SETS)					2,870		{$262,972}	50		{$44,852}	604		{$26,043}
A. SWIFT BEAR 150	A							2	$925,000	$1,850			
B. BEAR 550 INITIAL HOUSEKEEPING	A				9	$4,528,222	$40,754	4	$4,053,502	$16,214			
C. BEAR 550 FOLLOW-ON HOUSEKEEPING	A				21	$3,834,526	$80,525	1	$4,250,000	$4,250			
D. BEAR INDUSTRIAL OPERATIONS	A				1	$8,158,000	$8,158						
E. BEAR INITIAL FLIGHTLINE	A				2	$8,852,500	$17,705						
F. BEAR FOLLOW-ON FLIGHTLINE	A				7	$970,000	$6,790	2	$950,000	$1,900			
TRAINING EQUIPMENT	A				1	$4,873,000	$4,873	1	$1,422,000	$1,422	1	$1,233,000	$1,233
CONVERSION KITS					1	$24,923,000	$24,923						
SET AGGREGATION							$7,862			$8,045			
PROGRAM SUPPORT							$1,657						
MODERNIZATION					2,828		{$69,725}	40		{$11,171}	603		{$24,810}
AIRCRAFT HANGARS	A				59	$251,475	$14,837						
HEATERS	A				2,181	$3,108	$6,779				532	$3,838	$2,042

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5) | **DATE:** FEBRUARY 2006

APPROP CODE/BA:
OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:
MOBILITY EQUIPMENT

WEAPON SYSTEM COST ELEMENTS	ID CODE				FY2005			FY2006			FY2007		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SINGLE PALLET EXPEDITIONARY KITCHENS	A				41	$66,912	$2,743						
ADVANCE DESIGN REFRIGERATORS	A				267	$26,354	$7,037						
FORCE MODULE WATER SYSTEM	A				140	$216,057	$30,248	26	$168,000	$4,368	43	$206,434	$8,877
FORCE MODULE CONFIGURATION BLOCK UPGRADE	A				140	$57,728	$8,082						
POWER GENERATION	A							14	$485,928	$6,803	28	$496,125	$13,892
TOTALS:							$262,972			$44,852			$26,043

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY 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
MOBILITY EQUIPMENT (SETS)									
SWIFT BEAR 150									
FY2006(2)			AFMC/WR-ALC	C/FFP	UNKNOWN	Mar-06	Feb-07	Yes	
BEAR 550 INITIAL HOUSEKEEPING									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Feb-06		
FY2006(1-2)			AFMC/WR-ALC	C/FFP	UNKNOWN	May-06	Mar-07	Yes	
BEAR 550 FOLLOW-ON HOUSEKEEPING									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Jun-06		
FY2006(1-2)			AFMC/WR-ALC	C/FFP	UNKNOWN	May-06	May-07	Yes	
BEAR INDUSTRIAL OPERATIONS									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Jun-05		
BEAR INITIAL FLIGHTLINE									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Jul-05		
BEAR FOLLOW-ON FLIGHTLINE									

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY 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
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Jul-07		
FY2006(1-2)			AFMC/WR-ALC	C/FFP	UNKNOWN	Mar-06	Jan-08	Yes	
TRAINING EQUIPMENT									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Mar-05	Feb-06		
FY2006(1-2)			AFMC/WR-ALC	C/FFP	UNKNOWN	Mar-06	Feb-07	Yes	
FY2007(1-2)			AFMC/WR-ALC	C/FFP	UNKNOWN	Mar-07	Feb-08	Yes	
CONVERSION KITS									
FY2005(1-2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Jan-05	Jun-05		
MODERNIZATION									
AIRCRAFT HANGARS									
FY2005(4)			AFMC/WR-ALC	MIPR/FFP	AIR FORCE/ GSA/ CLAMSHELL/ VENICE, CA	Dec-05	Apr-06		
HEATERS									
FY2005(6)			AFMC/WR-ALC	C/FFP W/OPT	POLAR THERM/ LUVIA, FI	Aug-05	Apr-06		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY 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
FY2007(6)			AFMC/WR-ALC	OPT/FFP	POLAR THERM/ LUVIA, FI	Dec-06	Sep-07	Yes	
SINGLE PALLET EXPEDITIONARY KITCHENS									
FY2005(2)			AFMC/WR-ALC	REQN/FFP	MULTIPLE	Dec-04	Mar-06		
ADVANCE DESIGN REFRIGERATORS									
FY2005(3)			AFMC/WR-ALC	MIPR/OPT/FFP	ARMY/ AAR MANUFACTURING INC.,/ CADILLAC, MI	Dec-04	Sep-05		
FORCE MODULE WATER SYSTEM									
FY2005(5)			AFMC/WR-ALC	OPT/FFP	JGB ENTERPRISES INC./ LIVERPOOL, NY	Sep-05	Jun-06		
FY2006(5)			AFMC/WR-ALC	OPT/FFP	JGB ENTERPRISES INC./ LIVERPOOL, NY	May-06	Mar-07	Yes	
FY2007(5)			AFMC/WR-ALC	OPT/FFP	JGB ENTERPRISES INC./ LIVERPOOL, NY	Dec-06	May-07	Yes	
FORCE MODULE CONFIGURATION BLOCK UPGRADE									
FY2005(2)			AFMC/WR-ALC	C/FFP	MULTIPLE	Apr-05	Jul-05		
POWER GENERATION									
FY2006			AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Aug-06	Aug-07	Yes	

BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** MOBILITY 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
FY2007			AFMC/WR-ALC	OPT/FFP	UNKNOWN	Apr-07	Nov-07	Yes	

Remarks:

(1) Quantity/unit costs vary depending on types/configurations of equipment being procured.
(2) Various contract methods, types and sources will be utilized. Multiple contractors will be used to procure individual National Stock Number items to build each set. Examples of contractors include: Army/TACOM Reliance Coated Fabrics, Mansfield, TX; Army/TACOM Reliance Aero, East Camden, AR; Army/SBCCOM, Natick, MA; AAR Manufacturing Inc., Cadillac, MI; KECO Industries Inc., Florence, KY; Highland Engineering Inc., Howell, MI; JGB Enterprises Inc., Liverpool, NY; UNICOR, Big Springs, TX; Engineered Arresting System, Co., Aston, PA; Gil Marketing, Phoenix, AZ; Eagle Marketing, Houston, TX; Procurement/SPS, West Caldwell, NJ; Radian, Inc., Alexandria, VA; Simplex Inc., Springfield, IL; MC II General Electric, Inc., Tulsa, OK; Alaska Industrial Resources, Inc., Montrose, CO; California Industrial Facilities, Kirtland, WA; Polartherm, Luvia, Finland; EASC, Aston, PA; Universal Fabric, Quakertown, PA; Hunter Heaters, Solon, OH; and SPX Corporation, Owatona, MN.
(3) Basic contract, DAAD15-00-D-0025, competitively awarded Sep 00 with 7 option years.
(4) GSA Schedule Basic Contract GS-07F-5649P awarded Dec 2005. Expires 15 Mar 2009.
(5) Modification to the Basic Contract F08635-02-C-0046 awarded Sep 2005 adding 4 option years. Initial Force Module sets were procured prior to the Force Module Water Distribution System configuration baseline being developed. New Force Module water is being procured to backfill the initial sets.
(6) Basic Contract FA8533-05-D-0004 awarded Aug 2005 with 4 options.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (BASE SUPPORT EQUIP)

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$61,527	$41,758	$30,876	$38,457	$7,291	$7,313	$7,449

Description:

1. This program provides a wide variety of base support items with worldwide application. Examples include servicing platforms, aircraft arresting systems, electronic test stations, expandable and nonexpandable shelters, pipe bending machines, electronic test set groups, fuels operational readiness capability equipment, and heat treating furnaces. This equipment provides prime support for all base missions. Lack of funding for these equipment items limits maintenance capabilities, testing functions, antiterrorism/security missions, communications capabilities, flight operations, and the ability of Air Force units to meet deployment requirements.

2. The Fuels Operational Readiness Capability Equipment (FORCE) module is a deployable fuel system that will provide joint capability to fuel aircraft and support equipment at austere locations. The module is capable of receiving, transferring, and issuing fuel at a throughput rate of 900 gallons per minute. The module consists of components that efficiently work in concert to produce the desired throughput. The components include: pumps, aircraft servicing platforms, filter separators, ground servicing platforms, automated tank gauges, and plumbing assemblies. Under this system concept, FORCE is modular and scalable to allow the Air Force to "right size" equipment requirements for each mission.

3. In FY05, Base Support Equipment received $44,829,342 in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

4. In FY06, Base Support Equipment received $550,000 in additional funding in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005) "for necessary expenses related to the consequences of hurricanes in the Gulf of Mexico in calendar year 2005."

5. In FY06, Base Support Equipment received $13,100,000 in additional funding under Title IX of the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (BASE SUPPORT EQUIP)

Description (continued):

6. FY07, funding procures initial shortages, as well as replacement equipment currently approaching obsolescence. Items requested are identified on the attached P-40A-IL 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.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A-IL)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** ITEMS LESS THAN $5 MILLION (BASE SUPPORT EQUIP)

PROCUREMENT ITEMS	NSN			FY2007	
		QTY.	COST	QTY.	COST
FUELS OPERATIONAL READINESS CAPABILITY EQUIP (FORCE)	4930015203848RN			15	$26,600
MOBILE AIRCRAFT ARRESTING SYSTEM (MAAS)	1710012232235RN			6	$3,517
FSC 3441 - BENDING AND FORMING MACHINES					$377
FSC 4920 - AIRCRAFT MAINTENANCE & SPECIALIZED EQUIP					$382
TOTALS:					$30,876

Remarks:

Cost information is in thousands of dollars.

FSC- Federal Stock Class

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** DARP RC135

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$21,139	$21,219	$21,204	$22,532	$23,078	$23,658	$24,041

Description:

FY07-FY11 - Detailed information on the DARP RC 135 program remains classified and will be provided on a need-to-know basis. For further information, please contact AF/A2ZY, (703) 614-7317.

In FY05, DARP RC 135 received $2.5M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	**P-1 NOMENCLATURE:** DARP MRIGS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$115,985	$151,493	$195,723	$178,806	$222,600	$150,086	$169,402

Description:

FY07-FY11 - Detailed information on the DARP MRIGS program remains classified and will be provided on a need-to-know basis. For further information, please contact AF/A2ZY, (703) 697-0810.

In FY06, DARP MRIGS received a $5.6M Congressional add in the FY06 Appropriations Conference Report 109-359 (dated 18 December 2005).

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

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SPARES AND REPAIR PARTS

BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/SPARES AND REPAIR PARTS	**P-1 NOMENCLATURE:** SPARES AND REPAIR PARTS

		FY2005	FY2006	FY2007	FY2008	FY2009	FY2010	FY2011
QUANTITY								
COST (in Thousands)		$45,088	$29,933	$28,634	$18,274	$25,007	$21,630	$22,032

Description:

Initial Spares consist of reparable components, assemblies, subassemblies, and consumable items required as initial stock (including readiness spares package requirements) in support of newly fielded vehicles, communications-electronics and telecommunications equipment, and other base maintenance and support equipment items. Requirements are determined by applying established factors against the acquisition cost of the end items. The factors are based on historical data of similar equipment, employment/deployment concepts, production schedules, and other related information. Initial spares are procured using cost authority in the Supply Management Activity Group (SMAG) division of the Air Force Working Capital Fund (AFWCF), with the exception of intelligence and communications security spares which are not managed by the Standard Base Supply System (SBSS). For spares bought through the AFWCF, procurement (appropriated) funds reimburse the SMAG as outlays occur and are, therefore, budgeted based on estimated contractor delivery schedules. Procurement funds for AFWCF Exempt spares, which are not managed through the SBSS, are budgeted in the year of the requirement. Appropriated funds for AFWCF Exempt spares obligate when spares are ordered.

In FY05, Spares and Repair Parts received $2.4M in additional funding under P.L. 109-13, the Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Tsunami Relief Act, 2005.

Items requested in FY07 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.

BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/SPARES AND REPAIR PARTS	**P-1 NOMENCLATURE:** SPARES AND REPAIR PARTS

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SPARES & REPAIR PARTS									
INITIAL SPARES					{$45,088}		{$29,933}		{$28,634}
AIR CARGO MATERIEL HANDLING 60K LOADER, PE 0401214F	A				$4,681				
ITEMS LESS THAN $5M ELECTRICAL EQUIPMENT, PE 0702832F	A				$414				
TACTICAL TERMINAL, PE 0305158F	A				$1,633				
INFORMATION SYSTEMS SECURITY PROGRAM, PE 0303140F (P-1 LINE NO. 38)	A				$1,109		$1,046		$1,350
AIR TRAFFIC CONTROL & LANDING SYS, PE 0305114F (P-1 LINE NO. 39)	A				$802		$2,602		$2,789
NATIONAL AIRSPACE SYSTEM, PE 0305137F (P-1 LINE NO. 40)	A				$3,285		$4,685		$5,415
THEATER AIR CONTROL SYSTEM IMPROVEMENTS, PE 0207412F	A				$85				
WEATHER OBSERVATION/FORECAST, PE 0305111F (P-1 LINE NO. 42)	A				$1,483		$1,498		$1,603
MISSION PLANNING SYSTEMS, PE 0208006F	A				$363				
CHEYENNE MOUNTAIN COMPLEX, SPACETRACK, PE 0305906F & PE 0305910F (P-1 LINE NO. 44)	A				$5,869		$670		$704
COMBAT AIR INTEL SYS ACTIVITIES, PE 0207431F (P1-LINE NO 38)	A				$109		$113		$116

	P-1 ITEM NO		PAGE NO:		
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/SPARES AND REPAIR PARTS	**P-1 NOMENCLATURE:** SPARES AND REPAIR PARTS

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MOBILE CONSOLIDATED COMMAND CENTER, PE 0305903F (P-1 LINE NO. 49)	A				$581		$598		$668
AIR FORCE PHYSICAL SECURITY, PE 0207589F	A				$174				
COMBAT TRAINING RANGES, PE 0207429F (P-1 LINE NO. 51)	A				$780		$792		$832
THEATER BATTLE MANAGEMENT C2 SYSTEMS, PE 0207438F (P-1 LINE NO. 56)	A				$1,839		$1,913		$2,008
NAVSTAR GPS (SPACE), PE 0305165F, 0305164F (P-1 LINE NO. 61)	A				$93		$317		$326
AF SATELLITE CONTROL NETWORK, PE 0350110F (P-1 LINE NO. 63)	A				$3,155		$3,396		$3,569
SPACELIFT RANGE SYSTEM (SPACE), PE 0305182F (P-1 LINE NO. 64)	A				$1,397		$2,723		$2,807
MILSATCOM (SPACE), PE 0303601F (P-1 LINE NO. 65)	A				$11,655		$3,582		$97
SPACE MODS (SPACE), PE 0305910F & 0305912F	A				$218				
TACTICAL CE EQUIPMENT, PE 0207423F & 0401840F (P-1 LINE NO. 68)	A				$4,365		$4,927		$5,235
TV EQUIPMENT (AFRTV), PE 0808711F (P-1 LINE NO. 71)	A				$246		$249		$262
WRM-EQUIPMENT/SECONDARY ITEMS PE 0401135F (P-1 LINE NO. 90)	A				$711		$476		$491
VEHICLES & SUPPORT EQUIPMENT, PE 0202834F	A						$346		$362

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2006
APPROP CODE/BA: OPAF/SPARES AND REPAIR PARTS	**P-1 NOMENCLATURE:** SPARES AND REPAIR PARTS

PROCUREMENT ITEMS	ID CODE			FY2005		FY2006		FY2007	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
WEAPON STORAGE AND SECURITY SYSTEM, PE 0305155F	A				$41				
TOTALS:					$45,088		$29,933		$28,634

Remarks:

Cost information is in thousands of dollars.

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