

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE



PROCUREMENT PROGRAM

FISCAL YEAR (FY) 2005
BUDGET ESTIMATES

OTHER PROCUREMENT

FEBRUARY 2004

UNCLASSIFIED

DEPARTMENT OF THE AIR FORCE
PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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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 & Telecommunication 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 therefor, not otherwise provided for; the purchase of passenger motor vehicles for replacement only, and the purchase of one vehicle required for physical security of personnel, notwithstanding price limitations applicable to passenger vehicles but not to exceed \$250,000 per vehicle; the purchase not to exceed 284 passenger motor vehicles of which all shall be for replacement only; 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, \$13,283,557,000 to remain available for obligation until September 30, 2007.

DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ARMORED VEHICLES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		2	1	1	1	1	1	1
COST (in Thousands)		\$484	\$241	\$250	\$249	\$250	\$256	\$260
<p>Description:</p> <p>The Air Force Office of Special Investigations (AFOSI) has responsibility for non-tactical Heavy Armored Vehicles (HAVs) for the U.S. Air Force. The HAVs are used during Protective Service Operations (PSO) to transport permanent party, visiting senior U.S. military and DoD civilian officials, as well as senior U.S. executive and legislative branch dignitaries, within designated high terrorist threat areas. Examples of people supported: The President of the United States, members of Congress, the Secretary of Defense, Under Secretaries of Defense and AF, 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 U.S. military command officials.</p> <p>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 anti-terrorism experts. Based on the current threat assessment, AFOSI continues to have a validated global requirement for 13 HAVs. All 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 a strengthened suspension and brakes required to hold the weight of armor, as well as a warranty. Purchasing HAVs with factory installed armoring reduces the risk of mechanical and armoring problems known to occur with after market modified HAVs.</p> <p>Items requested in FY05 are identified on the 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. Our total inventory objective for Armored Vehicles is 13. Our current procurement requirement for shortages/replacements is 9. FY05 purchases one Armored Vehicle.</p> <p>Armored Vehicles received \$1.67M in the FY04 Supplemental. There was an administrative error and the supplemental funds for this P-1 line are currently</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
ARMORED VEHICLES

Description

reflected in the Passenger Carrying Vehicle P-1 line (P-7). This error will be corrected in the database.

P-1 ITEM NO
6

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ARMORED VEHICLES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ARMORED SEDAN GERMANY (BPAC 1702)	A			2	\$484	1	\$241	1	\$250
TOTALS:				2	\$484	1	\$241	1	\$250

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: ARMORED VEHICLES							
ITEM / 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	
ARMORED SEDAN GERMANY (BPAC 1702)										
FY2003	2	\$242,000	AFMC/WR-ALC	FCA/FFP	DAIMLER/CHRYSLER/BERLIN , GERMANY	Aug-03	Dec-03			
FY2004	1	\$241,000	AFMC/WR-ALC	FCA/FFP	(UNKNOWN)	Aug-04	Dec-04	Yes		
FY2005	1	\$250,000	AFMC/WR-ALC	FCA/FFP	(UNKNOWN)	Aug-05	Dec-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>* Procurement conducted through various vendors based on locality needs and specific requirements. Vendors such as Mercedes, BMW, and US companies used.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES					
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		0	269	284	307	319	341	364
COST (in Thousands)		\$0	\$15,626	\$11,873	\$15,352	\$15,602	\$15,558	\$17,121
<p>Description:</p> <p>Passenger Carrying Vehicles includes the procurement of Sedans, Station Wagons, Buses, Law Enforcement Sedans, and Ambulances. While general, they also fulfill unique and distinct needs commensurate with their design:</p> <p>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.</p> <p>Station Wagons are mid-sized vehicles which are primarily used to transport personnel and light cargo. They are mostly used in overseas locations for some high security areas located near missile installations. They are also used in the maintenance and flying operation areas to support aircraft sortie generation.</p> <p>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.</p> <p>Ambulances include both bus ambulances and modular ambulances which 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 the standard commercial ambulances which are available in the 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.</p> <p>Buses include a variety of commercial buses that support a broad range of mass transit requirements. Bus sizes range from the 16 passenger shuttle bus up to</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES			
Description the 52 passenger bus. These vehicles support protocol offices, Air Force band organizations, Air Education and Training Command training units, 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. Items requested in FY05 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. Our total inventory objective for Passenger Carrying Vehicles is 3,906. Our current procurement requirement for shortages/replacements is 2,173. FY05 purchases 284 passenger carrying vehicles. Passenger Carrying Vehicles received \$2,013K in the FY04 supplemental. There was an administrative error and \$1,670K for Armored Vehicles (P-1 line P-6) is reflected in this line. The database will be adjusted to reflect the correct funding. Note: FY04 quantities on the P-40 reflect the quantities in the Air Force financial data base. The quantities on the P-40A reflect the actual FY04 quantities, to include additional quantities for the FY04 supplemental.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES					
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MIDSIZE SEDAN, UNITED STATES (BPAC 1802)	A							3	\$46
MIDSIZE SEDAN, USAFE (BPAC 1805)	A					3	\$76	8	\$205
COMPACT SEDAN, UNITED STATES (BPAC 180A)	A					11	\$153	12	\$171
COMPACT SEDAN, JAPAN (BPAC 180B)	A					8	\$87	9	\$99
COMPACT SEDAN, ITALY (BPAC 180D)	A					5	\$71		
COMPACT SEDAN, OFFICE OF SPECIAL INVESTIGATIONS (OSI) (BPAC 180J)	A					15	\$283	24	\$457
COMPACT SEDAN, SINGAPORE (BPAC 180300D)	A							3	\$51
SUBCOMPACT SEDAN, UNITED STATES (BPAC 180S)	A					3	\$80	3	\$81
E. SEDAN, UNITED STATES (BPAC 1811)	A					44	\$842	55	\$1,069
E. SEDAN, JAPAN (BPAC 1812)	A					4	\$54	4	\$54
E. SEDAN, ITALY (BPAC 1815)	A					4	\$86		
E. SEDAN, UNITED STATES (BPAC 1817)	A					12	\$302	6	\$153
STATION WAGON, UNITED STATES (BPAC 1821)	A					21	\$400	14	\$272
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STATION WAGON, JAPAN (BPAC 1822)	A					13	\$172	3	\$41
STATION WAGON, GERMANY (BPAC 1806004)	A							8	\$91
STATION WAGON, US, BIFUEL (BPAC 1806007)	A							2	\$46
BUS, 41 PAX US (BPAC 1831)	A					3	\$904	2	\$604
BUS 48 PAX GE (BPAC 1832)	A					5	\$2,113		
BUS, 16 PAX CNG US (BPAC 1833)	A					7	\$374		
BUS, 16 PAX US (BPAC 1834)	A					11	\$548	5	\$252
BUS, 16 PAX JAPAN (BPAC 1835)	A					5	\$180		
BUS, 16 PAX US BIFUEL (BPAC 1808005)	A							3	\$148
BUS, 28 PAX (BPAC 183B)	A					52	\$3,166	47	\$2,884
BUS, 28 PAX US CNG (BPAC 183C)	A					6	\$484	5	\$405
BUS, 28 PAX JAPAN (BPAC 183E)	A					3	\$208	5	\$350
BUS, 44 PAX US (BPAC 183K)	A					29	\$1,798	32	\$1,988

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

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
PASSENGER CARRYING VEHICLES

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
BUS, 44 PAX US CNG (BPAC 183M)	A			6	\$557	8	\$746
BUS, 44 PAX JAPAN (183N)	A			6	\$416	2	\$139
BUS, 44 PAX MED US (BPAC 183P)	A			6	\$489		
BUS, 23 PAX SURREY (BPAC 183R)	A			2	\$120	2	\$120
AMB, 44 PAX CONV US (BPAC 1841)	A			6	\$523	3	\$263
AMB, MOD 4X4 (BPAC 1842)	A			14	\$997	14	\$1,006
AMB, MOD 4X4 JAPAN (BPAC 1843)	A			1	\$79		
AMB, MOD 4X2 US (BPAC 1844)	A			1	\$66	2	\$134
TOTALS:				306	\$15,626	284	\$11,874

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES						
ITEM / 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 (BPAC 1802)										
FY2005	3	\$15,185	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Mar-05	Jul-05	Yes		
MIDSIZE SEDAN, USAFE (BPAC 1805)										
FY2004	3	\$25,254	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Oct-04	Yes		
FY2005	8	\$25,634	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Oct-05	Yes		
COMPACT SEDAN, UNITED STATES (BPAC 180A)										
FY2004	11	\$13,889	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA/GM/DETROIT, MI	Apr-04	May-04	Yes		
FY2005	12	\$14,239	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Jan-05	Jun-05	Yes		
COMPACT SEDAN, JAPAN (BPAC 180B)										
FY2004	8	\$10,830	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	May-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES							
ITEM / 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	\$11,038	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-05	May-05	Yes		
COMPACT SEDAN, ITALY (BPAC 180D)										
FY2004	5	\$14,240	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Apr-04	Jun-04	Yes		
COMPACT SEDAN, OFFICE OF SPECIAL INVESTIGATIONS (OSI) (BPAC 180J)										
FY2004	15	\$18,857	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes		
FY2005	24	\$19,023	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-05	Jun-05	Yes		
COMPACT SEDAN, SINGAPORE (BPAC 180300D)										
FY2005	3	\$17,034	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Mar-05	Oct-05	Yes		
SUBCOMPACT SEDAN, UNITED STATES (BPAC 180S)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES							
ITEM / 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	
FY2004	3	\$26,525	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Apr-04	May-04	Yes		
FY2005	3	\$26,845	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Apr-05	May-05	Yes		
E. SEDAN, UNITED STATES (BPAC 1811)										
FY2004	44	\$19,129	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA/GM/DETROIT, MI	Jan-04	May-04			
FY2005	55	\$19,430	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Jan-05	May-05	Yes		
E. SEDAN, JAPAN (BPAC 1812)										
FY2004	4	\$13,465	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes		
FY2005	4	\$13,521	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY (UNKNOWN)	Apr-05	Jun-05	Yes		
E. SEDAN, ITALY (BPAC 1815)										
FY2004	4	\$21,529	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes		
E. SEDAN, UNITED STATES (BPAC 1817)										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES						
ITEM / 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	
FY2004	12	\$25,188	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Apr-04	Jun-04	Yes		
FY2005	6	\$25,469	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Apr-05	Jun-05	Yes		
STATION WAGON, UNITED STATES (BPAC 1821)										
FY2004	21	\$19,058	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA/FORD/DETROIT, MI	Jan-04	Apr-04			
FY2005	14	\$19,458	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA (UNKNOWN)	Jan-05	Jun-05	Yes		
STATION WAGON, JAPAN (BPAC 1822)										
FY2004	13	\$13,249	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes		
FY2005	3	\$13,549	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY (UNKNOWN)	Apr-05	Jun-05	Yes		
STATION WAGON, GERMANY (BPAC 1806004)										
FY2005	8	\$11,405	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Sep-05	Yes		
		P-1 ITEM NO 7				PAGE NO: 13		Page 4 of 10		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES						
ITEM / 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	
STATION WAGON, US, BIFUEL (BPAC 1806007)										
FY2005	2	\$23,205	AFMC/WR-ALC	MIPR/OTH/FFP W/OPT	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
BUS, 41 PAX US (BPAC 1831)										
FY2004	3	\$301,213	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Sep-05	Yes		
FY2005	2	\$301,857	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Sep-05	Yes		
BUS 48 PAX GE (BPAC 1832)										
FY2004	5	\$422,696	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Apr-04	Aug-04	Yes		
BUS, 16 PAX CNG US (BPAC 1833)										
FY2004	7	\$53,466	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES
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ITEM / 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
BUS, 16 PAX US (BPAC 1834)									
FY2004	11	\$49,833	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-04	Aug-04	Yes	
FY2005	5	\$50,383	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-05	Aug-05	Yes	
BUS, 16 PAX JAPAN (BPAC 1835)									
FY2004	5	\$35,966	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Aug-04	Yes	
BUS, 16 PAX US BIFUEL (BPAC 1808005)									
FY2005	3	\$49,307	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jun-05	Yes	
BUS, 28 PAX (BPAC 183B)									
FY2004	52	\$60,885	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Aug-04	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES
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ITEM / 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	47	\$61,357	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Aug-05	Yes	
BUS, 28 PAX US CNG (BPAC 183C)									
FY2004	6	\$80,617	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-04	Jun-04	Yes	
FY2005	5	\$81,081	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-05	Jun-05	Yes	
BUS, 28 PAX JAPAN (BPAC 183E)									
FY2004	3	\$69,484	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes	
FY2005	5	\$70,025	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-05	Jun-05	Yes	
BUS, 44 PAX US (BPAC 183K)									
FY2004	29	\$61,985	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Sep-04	Yes	
FY2005	32	\$62,117	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Sep-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES						
ITEM / 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	
BUS, 44 PAX US CNG (BPAC 183M)										
FY2004	6	\$92,756	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jul-04	Yes		
FY2005	8	\$93,253	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jul-05	Yes		
BUS, 44 PAX JAPAN (183N)										
FY2004	6	\$69,273	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Jun-04	Yes		
FY2005	2	\$69,626	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-05	Jun-05	Yes		
BUS, 44 PAX MED US (BPAC 183P)										
FY2004	6	\$81,513	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
BUS, 23 PAX SURREY (BPAC 183R)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES							
ITEM / 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	
FY2004	2	\$59,993	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	2	\$60,237	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
AMB, 44 PAX CONV US (BPAC 1841)										
FY2004	6	\$87,097	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-04	Sep-04	Yes		
FY2005	3	\$87,673	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-05	Sep-05	Yes		
AMB, MOD 4X4 (BPAC 1842)										
FY2004	14	\$71,201	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-04	Aug-04	Yes		
FY2005	14	\$71,829	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Apr-05	Aug-05	Yes		
AMB, MOD 4X4 JAPAN (BPAC 1843)										
FY2004	1	\$78,566	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Sep-04	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: PASSENGER CARRYING VEHICLES						
ITEM / 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 4X2 US (BPAC 1844)										
FY2004	1	\$66,241	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Sep-04	Yes		
FY2005	2	\$66,791	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Sep-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, STAKE/PLATFORM				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		0	0	0	0	0	0	0
COST (in Thousands)		\$0	\$0	\$8,342	\$8,333	\$8,341	\$8,341	\$8,351
<p>Description:</p> <p>Air Force stake and platform trucks range in size from 1 ton to 1.5 tons. They are flatbed vehicles with removable interlocking rack sections to allow for loading/unloading cargo from the rear or sides. They are categorized as general purpose cargo and utility vehicles. Use of stake and platform trucks include transport of medium oversized cargo such as computers and their components, baggage for deploying units, aircraft parts, etc. These multipurpose vehicles provide Air Force users the capability to secure and transport items quickly. Stake and platform trucks are essential to the task of increased aircraft maintenance production rates due to their great capacity for transporting large volumes of parts and supplies.</p> <p>FY04 procurements were funded in items less than \$5M Cargo Utility Category.</p> <p>Items requested in FY05 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. Out total inventory objective for the Stake and Platform truck is 3,024. Our current procurement requirement for shortages/replacements is 2,106. FY05 purchases 326 trucks.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
TRUCK, STAKE/PLATFORM

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1 TON S&P 4X2 US (BPAC 2011)	A							127	\$2,916
1 TON S&P 4X2 JA (BPAC 2014)	A							14	\$283
TRK S&P 10,000 GVW 4X2 US (BPAC 2015)	A							175	\$4,861
TRK S&P 10,000 GVW 4X4 US (BPAC 2019)	A							1	\$30
TRK S&P 10,000 GVW 4X2 JA (BPAC 201C)	A							9	\$251
TOTALS:								326	\$8,342

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, STAKE/PLATFORM						
ITEM / 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 TON S&P 4X2 US (BPAC 2011)										
FY2005	127	\$22,962.00	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Aug-05	Yes		
1 TON S&P 4X2 JA (BPAC 2014)										
FY2005	14	\$20,240.00	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-05	Sep-05	Yes		
TRK S&P 10,000 GVW 4X2 US (BPAC 2015)										
FY2005	175	\$27,778.00	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Aug-05	Yes		
TRK S&P 10,000 GVW 4X4 US (BPAC 2019)										
FY2005	1	\$30,221.00	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Aug-05	Yes		
TRK S&P 10,000 GVW 4X2 JA (BPAC 201C)										
FY2005	9	\$27,870.00	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-05	Sep-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x4				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,332	\$15,677	\$13,415	\$7,300	\$8,348	\$9,445	\$6,033
<p>Description:</p> <p>Truck, Cargo-Utility, 3/4 Ton, 4x4 is a commercial four-door, six passenger cargo truck which equips our forces with a four-wheel-drive, automatic transmission vehicle. It permits crews and large cargo to travel together to off-highway sites. It has the capability for handling the more austere and rugged taskings. Four-wheel-drive capability is critical to off-highway winter operations to isolated missile, communications, weather, and radar sites. It is primarily used by the Mobility Engineering Installation and Combat Communication Squadrons. This vehicle is used in support of world wide contingency situations as well as training and exercise missions. It is also used in direct operational support of Strategic Weapon Systems (silo crew changes) and Fighter and Bomber Aircraft Crews. The Security Forces use it in a force protection role. Failure to fund sufficient quantities of this type vehicle would mean inadequate support for Missile Maintenance Squadrons whose personnel must travel many unpaved roads to reach their designated sites. It would further lead to a lack of transportation for personnel and equipment necessary to maintain the needed cables between the missile launch and missile alert facilities, ensuring the integrity of the entire missile system.</p> <p>Items requested in FY05 are identified on the 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. Our total inventory objective for this truck is 3,358. Our current procurement requirement for shortages/replacements is 1,549. FY05 procures 393 trucks.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x4
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
US GAS/DIESEL (BPAC 2061)	A			326	\$10,266	415	\$13,345	270	\$9,181
JAPAN GAS (BPAC 2062)	A			4	\$66	12	\$180	9	\$138
US BIFUEL (BPAC 2064)	A					58	\$2,152	100	\$3,786
UK GAS (BPAC 2066)	A							14	\$310
TOTALS:				330	\$10,332	485	\$15,677	393	\$13,415

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x4							
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
US GAS/DIESEL (BPAC 2061)										
FY2003	326	\$31,490	AFMC/WR-ALC	MIPR/IDIQ	GSA (FORD)/DEARBORN, MI	Apr-03	Jul-03			
FY2004	415	\$32,157	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	May-04	Yes		
FY2005	270	\$34,002	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Feb-05	May-05	Yes		
JAPAN GAS (BPAC 2062)										
FY2003	4	\$16,574	AFMC/WR-ALC	MIPR/FFP	NAVY/TOYOTA/TOKYO, JA	Jun-03	Sep-03			
FY2004	12	\$15,029	AFMC/WR-ALC	MIPR/FFP	NAVY/UNKNOWN/JAPAN	Jun-04	Sep-04	Yes		
FY2005	9	\$15,341	AFMC/WR-ALC	MIPR/FFP	NAVY/UNKNOWN/JAPAN	Jun-05	Sep-05	Yes		
US BIFUEL (BPAC 2064)										
FY2004	58	\$37,098	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Jun-04	Sep-04	Yes		
FY2005	100	\$37,864	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Jun-05	Sep-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x4						
ITEM / 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	
UK GAS (BPAC 2066)										
FY2005	14	\$22,141	AFMC/WR-ALC	MIPR/OTH	USAFE (UNKNOWN)	Jun-05	Sep-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x2				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$5,517	\$5,513	\$7,855	\$2,636	\$3,815	\$4,988	\$3,862
<p>Description:</p> <p>Truck, Cargo-Utility, 3/4 Ton, 4X2 is a commercial four-door, six passenger cargo truck which equips our forces with a two-wheel-drive automatic transmission vehicle. This vehicle is operated on bases where off-highway, four wheel drive capability is not required. It permits crews and cargo to travel together to assigned work-sites. It is used in direct support of weapon systems such as missiles, strategic aircraft, and tactical fighter aircraft. For the Air National Guard, this vehicle is used for aircraft sortie generation on a daily basis. The vehicles support Flightline Maintenance Crews and their equipment, Aerial Ports, and Flight line expedite functions along with Base Supply and Civil Engineering. It is mission essential for Explosive Ordinance Disposal (EOD) and Security Forces Combat Arms Training (CATM). This vehicle is ideal for Medical Bio-environmental personnel whose teams of 4-6 personnel are transported to inspection sites as one unit. For HQ USAFE, this vehicle provides intra-base and theater movement of personnel and cargo operating over a million miles per year supporting USAF, EUCOM, and USAFE operational taskings. These vehicles are critical to the support of all facets of base support including Civil Engineering, Supply, and Transportation. Failure to fund sufficient quantities of this vehicle would cause inadequate support for many diverse base operations.</p> <p>Items requested in FY05 are identified on the 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. Our total inventory objective for this truck is 2,359. Our current procurement requirement for shortages/replacements is 1,045. FY05 procures 303 vehicles.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
TRUCK, CARGO-UTILITY, 3/4T, 4x2

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
US GAS/DIESEL (BPAC 2071)	A			203	\$5,308	170	\$3,668	197	\$4,733
GE GAS (BPAC 2072)	A					16	\$369		
JAPAN GAS (BPAC 2074)	A			17	\$209	19	\$263	26	\$373
US BIFUEL (BPAC 2076)	A					36	\$1,213	80	\$2,749
TOTALS:				220	\$5,517	241	\$5,513	303	\$7,855

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x2
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ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
US GAS/DIESEL (BPAC 2071)									
FY2003	203	\$26,148	AFMC/WR-ALC	MIPR/IDIQ	GSA (FORD)/DEARBORN, MI	Mar-03	Apr-03		
FY2004	170	\$21,578	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Apr-04	Yes	
FY2005	197	\$24,026	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Apr-05	Yes	
GE GAS (BPAC 2072)									
FY2004	16	\$23,036	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Apr-04	Aug-04	Yes	
JAPAN GAS (BPAC 2074)									
FY2003	17	\$12,282	AFMC/WR-ALC	MIPR/IDIQ	NAVY (TOYOTA MOTOR)/YOKOSUKA, JA	Jul-03	Nov-03		
FY2004	19	\$13,861	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Apr-04	Aug-04	Yes	
FY2005	26	\$14,361	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Apr-05	Aug-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARGO-UTILITY, 3/4T, 4x2						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
US BIFUEL (BPAC 2076)										
FY2004	36	\$33,698	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	80	\$34,360	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK MAINT/UTILITY/DELIVERY VAN				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,632	\$11,428	\$9,062	\$9,550	\$11,190	\$8,884	\$12,550
<p>Description:</p> <p>This program includes the procurement of a vehicle group consisting of commercial trucks with double rear doors as well as delivery vans with cut-off cabs and full-width rear doors and windows. Defining characteristics include two-wheel drive and automatic transmissions. The primary requirement for this vehicle is to support aircraft sortie generation. It also keeps cargo/supplies out of inclement weather, transports ammunition and weapons for combat training, provides mobile tool crib support for the flight line and serves as transportation for air/flight crew personnel and maintenance crews. Failure to provide this vehicle can diminish the Air Force's capability to support customer's need for repositioning assets for reception of forces supporting Air Expeditionary Forces (AEF).</p> <p>Items requested in FY05 are identified on the 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. Our total inventory objective for this type truck is 4,805. Our current procurement requirement for shortages/replacements is 1,755. FY05 purchases 241 vans.</p> <p>Truck Maintenance/Delivery Van received \$916,000 in the FY 04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK MAINT/UTILITY/DELIVERY VAN
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
DELIVERY VAN									
DELIVERY VAN GERMANY (BPAC 216A)	A			36	\$1,055	14	\$430	22	\$705
DELIVERY VAN JAPAN (BPAC 216C)	A			18	\$358	9	\$194		
DELIVERY VAN UNITED STATES (BPAC 216D)	A							2	\$42
DELIVERY VAN TURKEY (BPAC 216F)	A			4	\$113				
DELIVERY VAN UNITED STATES E85 (BPAC 216G)	A							20	\$544
DELIVERY VAN SPAIN (BPAC 216H)	A							7	\$144
DELIVERY VAN UNITED STATES (BPAC 2165)	A			200	\$8,107	258	\$10,495	163	\$6,686
DELIVERY VAN UNITED STATES BIFUEL (BPAC 2168)	A					9	\$310	27	\$940
TOTALS:				258	\$9,632	290	\$11,428	241	\$9,062

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK MAINT/UTILITY/DELIVERY VAN							
ITEM / 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	
DELIVERY VAN GERMANY (BPAC 216A)										
FY2003	36	\$29,292	AFMC/WR-ALC	MIPR/FFP	GSA/THOMAS HEILMAN/ENKENBACH-ALSE, GE	Sep-03	Dec-03			
FY2004	14	\$30,685	AFMC/WR-ALC	MIPR/FFP	GSA/UNKNOWN	Aug-04	Nov-04	Yes		
FY2005	22	\$32,065	AFMC/WR-ALC	MIPR/FFP	GSA/UNKNOWN	Aug-05	Nov-05	Yes		
DELIVERY VAN JAPAN (BPAC 216C)										
FY2003	18	\$19,886	AFMC/WR-ALC	MIPR/FFP	NAVY/TOYOTA/TOKYO, JA	Sep-03	Dec-03			
FY2004	9	\$21,556	AFMC/WR-ALC	MIPR/FFP	NAVY/UNKNOWN	Sep-04	Nov-04	Yes		
DELIVERY VAN UNITED STATES (BPAC 216D)										
FY2005	2	\$21,125	AFMC/WR-ALC	MIPR/FP W/OPT	GSA/UNKNOWN	Mar-05	Sep-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK MAINT/UTILITY/DELIVERY VAN						
ITEM / 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	
DELIVERY VAN										
DELIVERY VAN TURKEY (BPAC 216F)										
FY2003	4	\$28,272	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA/TOYOTA/ADANA, TU	Aug-03	Jan-04			
DELIVERY VAN UNITED STATES E85 (BPAC 216G)										
FY2005	20	\$27,199	AFMC/WR-ALC	MIPR/FFP W/OPT	GSA/UNKNOWN	Nov-04	May-05	Yes		
DELIVERY VAN SPAIN (BPAC 216H)										
FY2005	7	\$20,542	AFMC/WR-ALC	MIPR/FFP	NAVY/UNKNOWN	Nov-04	May-05	Yes		
DELIVERY VAN UNITED STATES (BPAC 2165)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK MAINT/UTILITY/DELIVERY VAN						
ITEM / 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	
FY2003	200	\$40,534	AFMC/WR-ALC	MIPR/OTH/FP W/OPT	GSA/GSA/CARTER CHEVROLET/OKARCHE, OK	Mar-03	Sep-03			
FY2004	258	\$40,678	AFMC/WR-ALC	MIPR/OTH/FP W/OPT	GSA/UNKNOWN	Mar-04	Sep-04	Yes		
FY2005	163	\$41,021	AFMC/WR-ALC	MIPR/OTH/FP W/OPT	GSA/UNKNOWN	Mar-05	Sep-05	Yes		
DELIVERY VAN UNITED STATES BIFUEL (BPAC 2168)										
FY2004	9	\$34,398	AFMC/WR-ALC	MIPR/OTH/FP W/OPT	GSA/UNKNOWN	Mar-04	Sep-04	Yes		
FY2005	27	\$34,813	AFMC/WR-ALC	MIPR/OTH/FP W/OPT	GSA/UNKNOWN	Mar-05	Sep-05	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 11			PAGE NO: 35				
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARRY-ALL				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$9,637	\$4,166	\$3,997	\$5,592	\$4,457	\$4,628
<p>Description:</p> <p>This vehicle family is capable of carrying a minimum of seven passengers, and a maximum of fifteen. They are procured with an automatic transmission; some are equipped with all-terrain, four wheel drive capability for use in remote/rugged areas, such as remote missile/radar sites. They are used by communications, weather, and radar site personnel as a combination cargo and group personnel carrier; medical repair teams transporting test and repair equipment to hospitals and medical facilities; missile and aircraft alert crews; and in some instances, as airport transportation for personnel and their baggage. This type of vehicle is critical to the overall sustainment of operations, transportation, and maintenance of remote Air Force locations. It is also procured as an alternate fueled vehicle whenever possible. Some models are made available and procured which are fueled by ethanol (E85), and others by compressed natural gas (CNG) in support of the Energy Policy Act of 1992.</p> <p>FY03 requirements are funded in Items Less Cargo Utility, P-1 Line #15.</p> <p>Items requested in FY05 are identified on the P40A 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. Our total inventory objective for Carryalls is 2,493. Our current procurement requirement for shortages/replacements is 1,308. FY05 procures 168 vehicles.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARRY-ALL					
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARRYALL 8 PAX US (BPAC 2191)	A					71	\$1,191	37	\$626
CARRYALL 8 PAX GE (BPAC 2192)	A					29	\$706		
CARRYALL 8 PAX IT GAS (BPAC 2194)	A							4	\$75
CARRYALL 8 PAX JA (BPAC 2195)	A					32	\$626	11	\$223
CARRYALL 4X4 SUV US GAS (BPAC 2196)	A					27	\$984	14	\$540
CARRYALL 7 PAX US E85 (BPAC 2197)	A					20	\$523	2	\$67
CARRYALL 4X2 SUV US GAS (BPAC 2198)	A					12	\$353	4	\$117
CARRYALL 8 PAX SN (BPAC 2199)	A							4	\$83
CARRYALL 15 PAX US GAS (BPAC 219A)	A					53	\$1,391	19	\$517
CARRYALL 15 PAX GE GAS (BPAC 219B)	A					19	\$743		
CARRYALL 15 PAX JA GAS (BPAC 219D)	A					17	\$311		
CARRYALL 15 PAX US BI-FUEL (BPAC 219E)	A					7	\$207	1	\$30
CARRYALL 4X4 SUV JA GAS (BPAC 219G)	A					10	\$212	1	\$21

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, CARRY-ALL
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CARRYALL 7 PAX US GAS (BPAC 219H)	A					21	\$359	19	\$328
CARRYALL 15 PAX IT GAS (BPAC 219M)	A					10	\$359		
CARRYALL 8 PAX US CNG (BPAC 219P)	A					25	\$464	14	\$350
CARRYALL 15 PAX US CNG (BPAC 219Q)	A					14	\$460	11	\$374
CARRYALL 7 PAX US CNG (BPAC 219R)	A					14	\$380	9	\$246
CARRYALL 7 PAX US BI-FUEL (BPAC 219S)	A							5	\$142
CARRYALL 8 PAX US BI-FUEL (BPAC 219T)	A					13	\$370	10	\$295
CARRYALL 4X4 9 PAX US BI-FUEL (BPAC 219V)	A							3	\$132
TOTALS:						394	\$9,637	168	\$4,166

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, CARRY-ALL
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ITEM / 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
CARRYALL 8 PAX US (BPAC 2191)									
FY2004	71	\$16,771	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Jun-04	Yes	
FY2005	37	\$16,932	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jun-05	Yes	
CARRYALL 8 PAX GE (BPAC 2192)									
FY2004	29	\$24,355	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Apr-04	Jul-04	Yes	
CARRYALL 8 PAX IT GAS (BPAC 2194)									
FY2005	4	\$18,672	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	May-05	Aug-05	Yes	
CARRYALL 8 PAX JA (BPAC 2195)									
FY2004	32	\$19,558	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jun-04	Jul-04	Yes	
FY2005	11	\$20,235	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jun-05	Jul-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARRY-ALL						
ITEM / 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	
CARRYALL 4X4 SUV US GAS (BPAC 2196)										
FY2004	27	\$36,447	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Apr-04	Jul-04	Yes		
FY2005	14	\$38,563	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
CARRYALL 7 PAX US E85 (BPAC 2197)										
FY2004	20	\$26,163	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	2	\$33,589	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
CARRYALL 4X2 SUV US GAS (BPAC 2198)										
FY2004	12	\$29,432	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	4	\$29,229	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
P-1 ITEM NO					PAGE NO:					
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARRY-ALL						
ITEM / 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	
CARRYALL 8 PAX SN (BPAC 2199)										
FY2005	4	\$20,867	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jul-05	Oct-05	Yes		
CARRYALL 15 PAX US GAS (BPAC 219A)										
FY2004	53	\$26,240	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Jul-04	Yes		
FY2005	19	\$27,225	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jul-05	Yes		
CARRYALL 15 PAX GE GAS (BPAC 219B)										
FY2004	19	\$39,090	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	May-04	Aug-04	Yes		
CARRYALL 15 PAX JA GAS (BPAC 219D)										
FY2004	17	\$18,299	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jul-04	Aug-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK, CARRY-ALL							
ITEM / 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	
CARRYALL 15 PAX US BI-FUEL (BPAC 219E)										
FY2004	7	\$29,531	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	1	\$29,742	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
CARRYALL 4X4 SUV JA GAS (BPAC 219G)										
FY2004	10	\$21,163	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jun-04	Aug-04	Yes		
FY2005	1	\$21,278	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jun-05	Aug-05	Yes		
CARRYALL 7 PAX US GAS (BPAC 219H)										
FY2004	21	\$17,089	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-04	Aug-04	Yes		
FY2005	19	\$17,246	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-05	Aug-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK, CARRY-ALL							
ITEM / 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	
CARRYALL 15 PAX IT GAS (BPAC 219M)										
FY2004	10	\$35,866	AFMC/WR-ALC	MIPR/FP	GSA (UNKNOWN)	Jun-04	Sep-04	Yes		
CARRYALL 8 PAX US CNG (BPAC 219P)										
FY2004	25	\$18,554	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-04	Aug-04	Yes		
FY2005	14	\$25,004	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-05	Aug-05	Yes		
CARRYALL 15 PAX US CNG (BPAC 219Q)										
FY2004	14	\$32,872	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-04	Sep-04	Yes		
FY2005	11	\$33,965	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-05	Sep-05	Yes		
CARRYALL 7 PAX US CNG (BPAC 219R)										
FY2004	14	\$27,111	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-04	Aug-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CARRY-ALL						
ITEM / 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	\$27,351	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-05	Aug-05	Yes		
CARRYALL 7 PAX US BI-FUEL (BPAC 219S)										
FY2005	5	\$28,381	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	May-05	Aug-05	Yes		
CARRYALL 8 PAX US BI-FUEL (BPAC 219T)										
FY2004	13	\$28,437	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-04	Sep-04	Yes		
FY2005	10	\$29,529	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	Jun-05	Sep-05	Yes		
CARRYALL 4X4 9 PAX US BI-FUEL (BPAC 219V)										
FY2005	3	\$43,942	AFMC/WR-ALC	MIPR/FFP	GSA (UNKNOWN)	May-05	Aug-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: FAMILY MEDIUM TACTICAL VEHICLES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$5,644	\$15,332	\$13,298	\$19,497	\$25,243	\$21,894
<p>Description:</p> <p>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 Ordnance Disposal (EOD) units and other tactical, direct mission support units throughout the Air Force. These trucks are extensively used by the US Army and in order to maintain commonality, compatibility of parts, and maintenance support, it is crucial that the Air Force utilize these trucks to conduct joint operations with the Army. These tactical vehicles are critical to the Air Force's war fighting capability. Shortfalls of these vehicle types will degrade Operations Plan execution and result in mission support and sustainment degradation. These vehicles are crucial in the mission support and sustainment efforts for contingency operations.</p> <p>FY03 vehicles were funded in Items Less Than \$5M Cargo Utility Vehicles Category.</p> <p>Items requested in FY05 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. Our total inventory objective for Family Medium Tactical Vehicles is 5,543. Our current procurement requirement for shortages/replacements is 2,721. FY05 procures 102 vehicles.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: FAMILY MEDIUM TACTICAL VEHICLES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRK, CGO, MTV, M1078A1 2.5 T (BPAC 2231)	A					21	\$2,595	42	\$5,418
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T (BPAC 2232)	A					13	\$1,920	54	\$8,112
TRK, TRACTOR, M1088 5 T (BPAC 2233)	A					1	\$158	1	\$163
TRK, WRECKER, M1089A1 5 T (BPAC 2234)	A					3	\$971	5	\$1,638
TOTALS:						38	\$5,644	102	\$15,332

Remarks:
Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: FAMILY MEDIUM TACTICAL VEHICLES							
ITEM / 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 (BPAC 2231)										
FY2004	21	\$123,571	AFMC/WR-ALC	MIPR/C/M-5 (Yr1)	ARMY(UNKNOWN)	May-04	May-05	Yes		
FY2005	42	\$129,000	AFMC/WR-ALC	MIPR/C/M-5 (Yr2)	ARMY(UNKNOWN)	May-05	May-06	Yes		
TRK, CGO, MTV, M1083A1, W/O WINCH 5 T (BPAC 2232)										
FY2004	13	\$147,673	AFMC/WR-ALC	MIPR/C/M-5 (Yr1)	ARMY(UNKNOWN)	May-04	May-05	Yes		
FY2005	54	\$150,229	AFMC/WR-ALC	MIPR/C/M-5 (Yr2)	ARMY(UNKNOWN)	May-05	May-06	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: FAMILY MEDIUM TACTICAL VEHICLES						
ITEM / 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, TRACTOR, M1088 5 T (BPAC 2233)										
FY2004	1	\$158,242	AFMC/WR-ALC	MIPR/C/M-5 (Yr1)	ARMY(UNKNOWN)	May-04	May-05	Yes		
FY2005	1	\$163,257	AFMC/WR-ALC	MIPR/C/M-5 (Yr2)	ARMY(UNKNOWN)	May-05	May-06	Yes		
TRK, WRECKER, M1089A1 5 T (BPAC 2234)										
FY2004	3	\$323,742	AFMC/WR-ALC	MIPR/C/M-5 (Yr1)	ARMY(UNKNOWN)	May-04	May-05	Yes		
FY2005	5	\$327,638	AFMC/WR-ALC	MIPR/C/M-5 (Yr2)	ARMY(UNKNOWN)	May-05	May-06	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 13			PAGE NO: 48				Page 2 of 2

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HIGH MOBILITY VEHICLE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$12,021	\$3,687	\$7,555	\$3,445	\$4,345	\$5,843	\$8,085
<p>Description:</p> <p>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 Squadron, Engineering (RED HORSE) Squadrons, combat communication flights, and Air Force Special Operations Forces (SOF) airlift units. The M1097A2 model serves as the prime tactical vehicle for the US Army. Requirements to conduct combined joint operations with the Army make this vehicle the logical choice for fulfilling Air Force requirements due to the commonality and compatibility of parts and standardized maintenance and supply support 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 (ASOS) and other tactical, direct mission support units throughout Pacific Air Forces (PACAF), Air Combat Command (ACC), and United States Air Forces in Europe (USAFE) as well as other commands in the Air Force. These tactical vehicles are critical to our war fighting capability. Current shortfalls of these vehicles negatively impact Operations Plan execution and have the potential to result in force protection degradation. 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.</p> <p>Items requested in FY05 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. Our total inventory objective for the High Mobility Vehicle is 3,010. Our current procurement requirement for shortages/replacements is 191. FY05 purchases 106 vehicles.</p>								
	P-1 ITEM NO 14		PAGE NO: 49		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HIGH MOBILITY VEHICLE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
M1097A2 HMMWV BPAC	A			176	\$12,021	53	\$3,687	106	\$7,555
TOTALS:				176	\$12,021	53	\$3,687	106	\$7,555

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HIGH MOBILITY VEHICLE						
ITEM / 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 BPAC										
FY2003	176	\$68,301	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/TACOM AM GENERAL/SOUTH BEND, IN	May-03	Oct-03			
FY2004	53	\$69,566	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/TACOM AM GENERAL/SOUTH BEND, IN	May-04	Feb-05	Yes		
FY2005	106	\$71,273	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/TACOM AM GENERAL/SOUTH BEND, IN	May-05	Feb-06	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK TRACTOR, OVER 5T				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$14,086	\$0	\$745	\$0	\$0
<p>Description:</p> <p>These assets provide intra-base and intra-theater movement of equipment and cargo in support of USAF operational taskings worldwide. Usage of these vehicles includes the capability to transport heavy cargo (i.e., aircraft wings), over-the-road transport, munitions movement, etc. They are also utilized with trailers (i.e., tilt trailers for transporting disabled vehicles and van trailers) and for transporting classified materials or sensitive materials requiring protection from the weather. As part of the General Purpose fleet, truck tractors are the backbone of USAF's accomplishment of diverse missions. These vehicles are critical for the support of a multitude of units; civil engineering, base supply, transportation, etc. Truck tractors are not currently available for OCONUS lease.</p> <p>FY04 was identified under Items Less, Cargo Utility category.</p> <p>Items requested in FY05 are identified on the 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. Our current procurement requirement is 1,496 against an inventory objective of 2,153. FY05 procures 170 trucks.</p>								
	P-1 ITEM NO 15		PAGE NO: 52		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK TRACTOR, OVER 5T
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRK TRAC 44.5K GVW (BPAC 2331)	A							53	\$4,576
TRK TRAC MSL SPT, ITALY (BPAC 2332)	A							13	\$936
TRK TRAC 6X4 52K GVW (BPAC 2334)	A							4	\$336
TRK TRAC 55K GVW (BPAC 2335)	A							8	\$714
TRK TRAC MSL SPT, US (BPAC 2336)	A							18	\$2,068
TRK TRAC MSL SPT, GE (BPAC 2337)	A							5	\$360
TRK TRAC 39.5K GVW (BPAC 2338)	A							29	\$2,275
TRK TRAC 44.5K GVW, GE (BPAC 233H)	A							20	\$1,420
TRK TRAC 44.5K GVW, UK (BPAC 233J)	A							6	\$430
TRK TRAC 24K GVW 4X2 (BPAC 233K)	A							12	\$746
TRK TRAC 24K GVW 4X2, JAPAN (BPAC 233M)	A							2	\$223
TOTALS:								170	\$14,086

Remarks:

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

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
TRUCK TRACTOR, OVER 5T

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK TRACTOR, OVER 5T						
ITEM / 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 TRAC 44.5K GVW (BPAC 2331)										
FY2005	53	\$86,342	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Mar-05	Jul-05	Yes		
TRK TRAC MSL SPT, ITALY (BPAC 2332)										
FY2005	13	\$72,000	AFMC/WR-ALC	MIPR/IDIQ	AIR FORCE/GSA/UNKNOWN	Mar-05	Jul-05	Yes		
TRK TRAC 6X4 52K GVW (BPAC 2334)										
FY2005	4	\$84,108	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Mar-05	Jul-05	Yes		
TRK TRAC 55K GVW (BPAC 2335)										
FY2005	8	\$89,305	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Mar-05	Jul-05	Yes		
TRK TRAC MSL SPT, US (BPAC 2336)										
P-1 ITEM NO 15					PAGE NO: 55		Page 1 of 3			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK TRACTOR, OVER 5T						
ITEM / 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	18	\$114,878	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Apr-05	Jul-05	Yes		
TRK TRAC MSL SPT, GE (BPAC 2337)										
FY2005	5	\$72,000	AFMC/WR-ALC	MIPR/IDIQ	AIR FORCE/GSA/UNKNOWN	Jun-05	Sep-05	Yes		
TRK TRAC 39.5K GVW (BPAC 2338)										
FY2005	29	\$78,460	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Apr-05	Aug-05	Yes		
TRK TRAC 44.5K GVW, GE (BPAC 233H)										
FY2005	20	\$70,998	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Jun-05	Sep-05	Yes		
TRK TRAC 44.5K GVW, UK (BPAC 233J)										
FY2005	6	\$71,742	AFMC/WR-ALC	MIPR/IDIQ	AIR FORCE/GSA/UNKNOWN	Jun-05	Sep-05	Yes		
P-1 ITEM NO 15					PAGE NO: 56		Page 2 of 3			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK TRACTOR, OVER 5T						
ITEM / 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 TRAC 24K GVW 4X2 (BPAC 233K)										
FY2005	12	\$62,173	AFMC/WR-ALC	MIPR/IDIQ	GSA/UNKNOWN	Mar-05	Jul-05	Yes		
TRK TRAC 24K GVW 4X2, JAPAN (BPAC 233M)										
FY2005	2	\$111,744	AFMC/WR-ALC	MIPR/IDIQ	NAVY/UNKNOWN	Mar-05	Jul-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: CAP VEHICLES
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$787	\$780	\$802	\$815	\$833	\$847	\$862

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 these vehicles will increase average vehicle fleet age well over CAP's ten-year average, increase safety risks, and increase maintenance costs.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$34,926	\$40,390	\$24,734	\$61,931	\$72,071	\$77,080	\$89,955
<p>Description:</p> <p>This P-1 line includes various Cargo-Utility Vehicles and Equipment with procurement values of less than \$5,000,000 and are Identification Code A. These items are critical across the spectrum of functional users throughout the Air Force and provide multi-purpose capabilities. These vehicles also support mission needs for light to heavy cargo transport, as well as transportation for Air/Flight Crew Personnel. In addition, these vehicles support Flightline Operations (Aircraft Maintenance) and Base Civil Engineers performing base and airfield maintenance. The 1,188 vehicles requested for FY05 include alternative fuel vehicles that are required under Executive Order 13149, 21 April 2000. Items requested in FY05 are identified on the following P-40A I/L and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p> <p>Items Less Than \$5M (Cargo Utility) received \$536K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)					
TRUCK, PICKUP 3/4T 4X4 (BPAC 2992002)	2320008116869			49	\$837
TRUCK, COMPACT PICKUP 4X4 (BPAC 2992003)	2320010878223			7	\$144
TRUCK, COMPACT PICKUP 4X4 BI-FUEL (BPAC 2992004)	2320010878223			5	\$114
TRUCK, COMPACT PICKUP 4X4 JAPAN (BPAC 2992005)	2320010878223			4	\$65
TRUCK, COMPACT PICKUP (BPAC 2992006)	2320010096194			163	\$2,022
TRUCK, PICKUP 1/2T 4X2 PEC 35205 (BPAC 2992009)	2320005401428			134	\$1,572
TRUCK, PICKUP 1/2T 4X2 (BPAC 2992010)	2320005401428			34	\$625
TRUCK, PICKUP 3/4T 4X4 (BPAC 2992011)	2320008116869			7	\$191
TRUCK, PICKUP 3/4T 4X4 (BPAC 2992012)	2320008116869			12	\$286
TRUCK, PICKUP 1/2T 4X2 UNITED STATES (BPAC 2992014)	2320005401428			57	\$961
TRUCK, COMPACT PICKUP JAPAN (BPAC 2992015)	2310010096194			50	\$501

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRUCK, COMPACT PICKUP UNITED STATES (BPAC 2992016)	2320010096194			3	\$54
TRUCK, COMPACT PICKUP UNITED STATES (BPAC 2992017)	2320010096194			16	\$246
TRUCK, PICKUP 1/2T 4X2 JAPAN (BPAC 2992023)	2320005401428			15	\$200
TRUCK, COMPACT PICKUP UNITED STATES (BPAC 2992024)	2320010096194			60	\$865
TRUCK, UTILITY 1/2T 4X2 (ETHANOL-FLEX) (BPAC 2992026)	2320005401428			73	\$985
TRUCK, PICKUP 3/4T 4X4 (BPAC 2992027)	2320008116869			35	\$580
SEMI-TRAILER, LOWBED 60T (BPAC 2993002)	2330003492572			2	\$64
SEMI-TRAILER, 20 TON 25FT (BPAC 2993003)	2330008997527			2	\$58
SEMI-TRAILER, 20 TON 38FT (BPAC 2993004)	2330013819477			14	\$507
SEMI-TRAILER, T-DECK 22 TON (BPAC 2993005)	2330001383011			3	\$69
SEMI-TRAILER VAN CARGO 12 TON (BPAC 2993006)	2330008655443			4	\$91
SEMI-TRAILER LOW BED 35 TON (BPAC 2993007)	2330010516648			3	\$144

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRAILER, L/B, 50T, (BPAC 2993008)	2330010585911			1	\$53
SEMI-TRAILER 40 TON W/463L RLRS (BPAC 2993009)	2330010940007			8	\$337
SEMI-TRAILER, 60T, DROP DECK (BPAC 2993014)	2330012521245			1	\$45
TRAILER, 45FT 25 TON FB (BPAC 2993016)	2330013378944			3	\$53
TRAILER, CABLE REEL, 6T/UNDER (BPAC 2993018)	2330004714506			1	\$13
TRUCK, VAN BAND 24KGVW (BPAC 2994002)	2320010397929			2	\$97
TRUCK, 1 TON HI-CUBE VAN	2320013755832			2	\$62
TRAILER, M-105 CARGO 1.5TON (BPAC 2996003)	2330005416466			2	\$38
TRAILER, 5T M1061 (BPAC 2996005)	2330014523157			1	\$17
TRAILER, M-843 FLATBED 5 TON (BPAC 2996007)	2330002108935			1	\$12
TRAILER, CHS 2,5 TON M-200 (BPAC 2996008)	2330005403950			4	\$29
HMMWV, XM113 (BPAC 2996020)	2320014120143			13	\$956

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
CUCV UTILITY M1009 (BPAC 2996024)	2320011232665			43	\$1,404
CUCV CARGO M1008 (BPAC 2996025)	2320011232671			52	\$2,042
CUCV, SHELTER M-1028 (BPAC 2996026)	2320011275077			2	\$130
TRAILER, HIGH MOBILITY, LIGHT (BPAC 2996036)	2330013886662			62	\$804
TRAILER, TILT DECK 4-5 TON (BPAC 299A001)	2330009201273			5	\$27
TRUCK, UTILITY 4K 4X4 (299B001)	2320009889120			16	\$328
TRUCK, UTILITY 4000 GROSS VEHICLE WEIGHT 4X4 (BPAC 299B005)	2320013386502			6	\$125
TRUCK, UTILITY 4K 4X4 (BPAC 299B016)	2320009889120			4	\$84
TRUCK, UTILITY 4X2 ITEM 100B (BPAC 299B022)	2320014416914			3	\$89
TRUCK, UTILITY 4X4 ITEM 105B (BPAC 299B023)	2320014416916			14	\$415
TRUCK, MIL 4X4 (BPAC 299B031)	2320014839971			16	\$571
TRUCK, UTILITY, 4X4 ITEM 105B (BPAC 299B033)	2320014416916			3	\$333

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRUCK, PICKUP CREW CAB 4X2 (BPAC 299B035)	2320014846745			22	\$584
TRUCK, PICKUP, CREWCAB, 1/2T, 4X4 (BPAC 299B036)	2320014846748			14	\$386
TRUCK, UTILITY 4000GVW 4X4 (BPAC 299B042)	2320013386502			13	\$255
TRUCK, UTILITY 4X2 ITEM 100B (ETHANOL-FLEX) (BPAC 299B043)	2320014416914			9	\$261
TRUCK, UTILITY, 4X4, ITEM 105B (ETHANOL- FLEX)(BPAC 299B044)	2320014416916			4	\$107
SUV, 4DR 4X2 (BPAC 299B045)	2320014848859			10	\$179
TRUCK, 4X4 6 PAX, DUAL REAR (BPAC 299C009)	2320014242760			3	\$95
TRUCK, PU,4X2, 6 PAX DUAL REAR WHEELED (BPAC 299C010)	2320010107351			3	\$75
TRUCK, CARGO, 2.5T, 4X4 (BPAC 299C011)	2320008017593			3	\$202
TRUCK, CARGO, 6 PAX, 2.5T 4X2 (BPAC 299C012)	2320008790680			18	\$950
TRUCK, CARGO, 2.5T, 4X2 (BPAC 299C014)	2320007023537			9	\$350
TRUCK, PANEL 4X2 UNITED STATES (BPAC 299C018)	2320010432754			48	\$830

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (CARGO-UTILITY)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRUCK, PANEL 4X2 GERMANY (BPAC 299C019)	2320010432754			31	\$537
TRUCK, PANEL 4X2 JAPAN (BPAC 299C021)	2320010432754			17	\$193
TRUCK, PANEL 4X2 UNITED STATES (BPAC 299C040)	2320010132754			8	\$220
TRUCK, PANEL 4X2 UNITED STATES (BPAC 299C049)	2320010132754			13	\$269
TOTALS:					\$24,734

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, TANK, 1200 GAL
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$5,775	\$5,799	\$5,822	\$5,839	\$5,856

Description:

These 4X2 and 4X4 trucks are used to receive, transport, store and dispense 1200 gallons of fuel to a diverse list of combustion fired support equipment at local and remote locations. Aircraft missions could be impacted if these vehicles are not available to service ground support equipment. The four-wheel drive chassis has a high ground clearance to transport the fuel over rough, off-road and unimproved terrain. The 4X4 is a direct replacement for the M-49 Fuel Truck which is obsolete.

FY03 and FY04 funding is included in Item Less than \$5 Million (Special Purpose).

Items requested in FY05 on the P-40A 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. The total inventory objective for these fuel trucks is 600. The current procurement requirement for shortages/replacements is 310. This procurement requirement represents an initial shortage of 139 and a replacement requirement of 171. FY05 purchases 54 trucks.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, TANK, 1200 GAL
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRK TANK 1200 GAL 4X2 (BPAC 3111)	A							12	\$1,085
TRK TANK 1200 GAL 4X4 (BPAC 3113)	A							42	\$4,690
TOTALS:								54	\$5,775

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 18		PAGE NO: 67		Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK, TANK, 1200 GAL							
ITEM / 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 TANK 1200 GAL 4X2 (BPAC 3111)										
FY2005	12	\$90,444	AFMC/WR-ALC	MIPR/IDIQ	GSA/ISOMETRICS INC/REIDSVILLE, NC	Feb-05	Nov-05	Yes		
TRK TANK 1200 GAL 4X4 (BPAC 3113)										
FY2005	42	\$111,670	AFMC/WR-ALC	MIPR/IDIQ	GSA/ISOMETRICS INC/REIDSVILLE, NC	Feb-05	Nov-05	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 18			PAGE NO: 68				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, TANK FUEL R-11				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$39,216	\$14,642	\$19,323	\$20,417	\$21,014	\$25,557
<p>Description:</p> <p>R-11 Refueling Tank Truck vehicles are required by aircraft operating commands to transport fuel and dispense fuel to aircraft in specific amounts and within controlled conditions. When aircraft require maintenance where on-board fuel must be removed, refueling tank trucks remove the fuel and transport it to fuel facilities for disposition. Refueling tank trucks are subject to deployment by air to forward operating areas for support of all aircraft types (Fighters, Bombers, Reconnaissance, Command and Control and Airlift aircraft) and must be sufficiently rugged to operate reliably in various worldwide environments. Further, due to the volatility of the cargo, the vehicle must be designed, manufactured and operated with safety of truck, nearby objects (aircraft, buildings, other vehicles, etc) and personnel in mind. The refueling tank truck is air transportable on C-130, C-141, C-17 and C-5 aircraft.</p> <p>Items requested in FY05 on the P-40a 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. Our total inventory objective for these fuel trucks is 2,101. Our current procurement requirement for shortages/replacements is 1,558. FY05 purchases 86 R-11 Refuelers.</p> <p>Truck, Tank Fuel R-11 received \$25.205M in the FY04 supplemental.</p>								
	P-1 ITEM NO 19		PAGE NO: 69		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, TANK FUEL R-11
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
TRK TANK FUEL R-11	A			242	\$39,216	86	\$14,642
TOTALS:				242	\$39,216	86	\$14,642

Remarks:

Cost information is in thousands of dollars.

	P-1 ITEM NO 19		PAGE NO: 70	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, TANK FUEL R-11						
ITEM / 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 TANK FUEL R-11										
FY2004	242	\$162,050	AFMC/WR-ALC	OPT/FFP	KOVATCH CORP/NESQUEHONING, PA	Mar-04	Oct-04	Yes		
FY2005	86	\$170,256	AFMC/WR-ALC	OPT/FFP	KOVATCH CORP/NESQUEHONING, PA	Mar-05	Apr-05	Yes		
<p>Remarks:</p> <p>Cost information is in actual dollars.</p> <p>FY02 Basic Contract awarded Apr 03.</p>										
P-1 ITEM NO 19			PAGE NO: 71			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HMMWV, ARMORED				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,297	\$3,399	\$2,301	\$2,750	\$8,842	\$4,573	\$3,634
<p>Description:</p> <p>This program provides funding for armored High Mobility Multipurpose Wheeled Vehicles (HMMWV). These vehicles consist of the standard diesel powered HMMWV utility trucks with armor plating to provide ballistic protection for armament components, crew, and ammunition.</p> <p>The Air Force and the US Army jointly program these requirements to provide an armored vehicle which 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 being essential to the ongoing Force Protection/Anti-Terrorism (FP/AT) effort. EOD employs this vehicle as an unexploded ordinance (UXO) team work platform; CE uses it to support damage assessment and as an Armored Personnel Carrier (APC); and SF requires this vehicle for force protection and Air Base Defense operations. In overseas locations (OCONUS), the Armored HMMWV is a must-have asset in meeting SF force protection needs. The diverse environments within Southwest Asia (SWA) require a vehicle that has a 4X4 capability (this vehicle is 4X4 capable) and provides adequate protection from hostile fire in dangerous situations. In stateside (CONUS) locations, the vehicle is used primarily in a nuclear support role as directed by DoD Directive 5210.41-M, Nuclear Weapon Security Manual, which requires suitable security vehicles to enhance mobility and all security force vehicles to 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.</p> <p>Items requested in FY05 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. Our total inventory objective for the Armored HMMWV is 1,047. Our current procurement requirement for shortages/replacements is 886. FY05 purchases 29 Armored HMMWVS.</p> <p>The Armored HMMWV received \$453K in the FY04 supplemental.</p>								
	P-1 ITEM NO 20		PAGE NO: 72		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HMMWV, ARMORED
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HMMWV, ARMORED (M1025A2) (BPAC 3202)	A			16	\$1,297	46	\$3,399	29	\$2,300
TOTALS:				16	\$1,297	46	\$3,399	29	\$2,300

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HMMWV, ARMORED						
ITEM / 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) (BPAC 3202)										
FY2003	16	\$81,062	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/AM GENERAL/SOUTH BEND, IN	May-03	Oct-03			
FY2004	46	\$73,891	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/AM GENERAL/SOUTH BEND, IN	May-04	Oct-04	Yes		
FY2005	29	\$79,311	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/AM GENERAL/SOUTH BEND, IN	May-05	Oct-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, REFUSE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$549	\$0	\$0	\$0	\$0
<p>Description:</p> <p>This program consists of rear hoist and load packer refuse trucks and provides the health, safety, and sanitation requirements for both CONUS and OCONUS bases. These vehicles provide for the transport, placement, and disposition of collected refuse at air force bases. They pick up, compact, and dispose of refuse from base housing, as well as all other facilities located on air force installations.</p> <p>If these vehicles were not procured, the potential exists for health hazards due to garbage piling up and not being picked up and disposed of appropriately.</p> <p>Items requested in FY05 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 the Air Force mission requirements. Our total inventory objective for the Refuse Truck is 15. Our current procurement requirement for shortages/replacements is 12. FY05 purchases 3 refuse trucks.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
TRUCK, REFUSE

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRUCK, REF LOADPACKER	A							3	\$549
TOTALS:								3	\$549

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, REFUSE						
ITEM / 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, REF LOADPACKER										
FY2005	3	\$183,000.0 0	AFMC/WR-ALC	MIPR/FFP	GSA/UNKNOWN	Apr-05	Jun-05	Yes		
Remarks: Cost information is in actual dollars.										
P-1 ITEM NO 21			PAGE NO: 77			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HMMWV, UP-ARMORED				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,770	\$5,940	\$6,953	\$8,593	\$10,710	\$7,052	\$9,134
<p>Description:</p> <p>This program provides funding for Up-Armored High Mobility Multipurpose Wheeled Vehicles (HMMWV). These vehicles consist of standard diesel powered HMMWV utility trucks with armor plating to provide ballistic protection for armament components, crew, and ammunition. The Up-Armored HMMWV provides additional protection from land mines and aerial bursts of munitions in addition to the protection offered by the standard Armored HMMWV. This vehicle meets Air Force Explosive Ordnance Disposal (EOD), Civil Engineering (CE), Air Base Damage Assessment Team, Base Recovery After Attack Team (BRAAT) and Security Forces (SF) requirements as well as being essential to the ongoing Force Protection/Anti-Terrorism (FP/AT) effort. EOD employs this vehicle as an unexploded ordinance (UXO) team work platform; CE uses it to support damage assessment and as an Armored Personnel Carrier (APC); and SF requires this vehicle for force protection, nuclear weapon security, and Air Base Defense operations. In overseas locations (OCONUS), the Up-Armored HMMWV is a must-have asset in meeting force protection needs. The diverse environments of operations within Southwest Asia require a vehicle with a 4X4 capability, adequate protection from hostile fire, and increased survivability of personnel from land mine and ordinance explosion/fragmentation hazards.</p> <p>Items requested in FY05 on the P-40A 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. Our total inventory objective for the Up-Armored HMMWV is 761. Our current procurement requirement for shortages/replacements is 265. FY05 purchases 40 Up-Armored HMWWVS.</p> <p>Up-Armored HMWWV received \$174K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: HMMWV, UP-ARMORED
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HMMWV, UPARMORED (M1116)	A			21	\$3,770	34	\$5,940	40	\$6,953
TOTALS:				21	\$3,770	34	\$5,940	40	\$6,953

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: HMMWV, UP-ARMORED						
ITEM / 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)										
FY2003	21	\$179,523	AFMC/WR-ALC	MIPR/C/M-5 (Yr3)	ARMY/AM GENERAL/SOUTH BEND, IN	Apr-03	Oct-03			
FY2004	34	\$174,705	AFMC/WR-ALC	MIPR/C/M-5 (Yr4)	ARMY/AM GENERAL/SOUTH BEND, IN	May-04	Feb-05	Yes		
FY2005	40	\$173,813	AFMC/WR-ALC	MIPR/C/M-5 (Yr5)	ARMY/AM GENERAL/SOUTH BEND, IN	May-05	Feb-06	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRACTOR, A/C TOW, MB-4				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$6,214	\$5,128	\$11,127	\$7,076	\$9,381	\$8,123	\$8,532
<p>Description:</p> <p>The MB-4 Tow Tractor tows fighter aircraft and large aircraft up to the size of the C-130. This tractor is used daily to support flightline operations. The primary users are the Aircraft Maintenance and Munitions Squadrons. Equipped with a diesel engine, four wheel drive and four wheel steering, this tow tractor can safely move equipment and aircraft during launch and recovery operations. Additionally, using these tow tractors with the air brake systems, the combat Aerospace Ground Equipment (AGE) Teams assigned to Munitions Squadrons (MUNS) are able to tow large weapons trailers (MHU-196 and MU-204) transporting munitions to and from storage locations. These operations are critical for our heavy bomber (B-52, B-1, and B-2) combat missions. This vehicle is also used to move aircraft around the flightline as well as during emergency situations such as towing stalled or disabled aircraft from active runways and taxi-ways. There are no work-a-rounds because this vehicle type is not readily available for rent or lease nor is there an equivalent nuclear certified aircraft tow tractor available in the private sector. The current age and condition of the MB-4 Fleet is such that if we fail to procure these assets it will adversely affect our ability to meet mission requirements whether, its generating aircraft for missions in a timely manner or moving munitions.</p> <p>Items requested in FY05 are identified on the 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. Our total inventory objective for the MB-4 Tow Tractor is 1068. Our current procurement requirement for shortages/replacements is 513. FY05 procures 99 MB-4 Tow Tractors.</p> <p>Tractor, A/C Tow, MB-4 received \$1.389M in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRACTOR, A/C TOW, MB-4
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRAC TOW MB4 (BPAC 3322)	A			56	\$6,214	46	\$5,128	99	\$11,127
TOTALS:				56	\$6,214	46	\$5,128	99	\$11,127

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRACTOR, A/C TOW, MB-4						
ITEM / 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	
TRAC TOW MB4 (BPAC 3322)										
FY2003	56	\$110,965	AFMC/WR-ALC	DO/IDIQ	UNKNOWN	Mar-04	Oct-04	Yes		
FY2004	46	\$111,480	AFMC/WR-ALC	DO/IDIQ	UNKNOWN	Mar-04	Jul-05	Yes		
FY2005	99	\$112,394	AFMC/WR-ALC	DO/IDIQ	UNKNOWN	Mar-05	Dec-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Contract award was delayed due to the transition from military specifications to commercial specifications. Commercial specifications are available; contract award projected, March 2004.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRACTOR, TOW, FLIGHTLINE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,529	\$6,846	\$6,820	\$4,446	\$5,217	\$6,742	\$10,666
<p>Description:</p> <p>The Flight Line Tow Tractor (FLTT) is a diesel engine, two and four wheel drive tow tractor. The FLTT is capable of towing trailers weighing up to 40,000 pounds, and military aircraft weighing up to 70,000 pounds on grades up to two and one-half percent. The FLTT generates 4,500 pounds of drawbar pull. The FLTT is an altered wheelbase commercial truck, which is highly maneuverable in congested areas on the flightline and in aircraft hangers. The FLTT tows aircraft (i.e., F-15, F-16, small passenger carrying aircraft and helicopters), Aerospace Ground Equipment (AGE) and munitions trailers. The FLTT is nuclear certified and is the prime mover for powered and non-powered AGE for aircraft launch, recovery, and maintenance actions. The FLTT is essential for day to day flightline operations and is absolutely vital to sortie production during contingencies. Major Commands, including the Pacific Air Forces, Air Force Material Command, United States Air Forces Europe, Air Combat Command, and Air Mobility Command operate this vehicle in direct mission support roles. Depending on terrain and mission requirements, various configurations may be procured (e.g. heavy winterization, four-wheel drive). This item is in direct support of contingency operations. There is not a work-around or suitable substitute item available for this type of vehicle.</p> <p>Items requested in FY05 on the P-40A 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. Our total inventory objective for the Flightline Tow Tractor is 3,530. Our current procurement requirement for shortages/replacements is 1,496. FY05 purchases 187 Flightline Tow Tractors.</p> <p>Tractor, Flightline Tow received \$841K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
TRACTOR, TOW, FLIGHTLINE

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRAC TOW FLT (BPAC 3332)	A			237	\$8,529	189	\$6,846	181	\$6,586
TRAC TOW FLT (BPAC 3337)	A							6	\$234
TOTALS:				237	\$8,529	189	\$6,846	187	\$6,820

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRACTOR, TOW, FLIGHTLINE						
ITEM / 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	
TRAC TOW FLT (BPAC 3332)										
FY2003	237	\$35,987	AFMC/WR-ALC	OPT/FFP	STINAR CORP/ST. PAUL, MN	Apr-03	Jun-04			
FY2004	189	\$36,222	AFMC/WR-ALC	OPT/FFP	STINAR CORP/ST. PAUL, MN	Apr-04	Apr-05	Yes		
FY2005	181	\$36,385	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Apr-05	Mar-06	Yes		
TRAC TOW FLT (BPAC 3337)										
FY2005	6	\$39,037	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Apr-05	Mar-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>Basic contract date; 28 June 2002.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, HYDRANT FUEL				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,975	\$1,385	\$45	\$2,026	\$1,921	\$1,632	\$1,357
<p>Description:</p> <p>The Hydrant Fuel Truck is a truck-mounted piece of equipment designed to control fuel flow from an in-ground installed, pressurized fuel system into an aircraft or vice versa. Flowing up to 1,000 gallons of fuel per minute, it permits quicker loading (compared to above-ground R-11 Refueler Truck) of fuel onto large fuel capacity aircraft such as the C-5, C-17, C-141, B1, B-52, and C-130, supporting MAJCOMs worldwide. Without Hydrant Fuel Trucks, pressurized fuel systems cannot be used, requiring the use of refueling truck vehicles thus, increasing fuel loads required for tanker trucks and aircraft servicing time (compared to Hydrant Fuel Trucks) to load one aircraft with fuel, which could impact/delay the mission.</p> <p>FY04 and FY05 funding is included in items less than \$5 Million (Special Purpose)</p> <p>Items requested in FY05 on the P-40a 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. Our total inventory objective for this truck is 314. Our current procurement requirement for shortages/replacements is 127. FY05 purchases one Hydrant Fuel Truck.</p> <p>Note: There is an administrative error, FY05 is currently \$45K. \$102K will be reprogrammed from P-1 Line 27, Items Less Than \$5 Million (Special Purpose).</p>								
	P-1 ITEM NO 26		PAGE NO: 87		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, HYDRANT FUEL
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRK HYDRANT FUEL 3581	A			56	\$7,975	8	\$1,385	1	\$147
TOTALS:				56	\$7,975	8	\$1,385	1	\$147

Remarks:

Cost information is in thousands of dollars.

FY04 funding is included in items less than \$5 Million (Special Purpose)

	P-1 ITEM NO 26		PAGE NO: 88	Page 1 of 1
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, HYDRANT FUEL						
ITEM / 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 HYDRANT FUEL 3581										
FY2003	56	\$142,410	AFMC/WR-ALC	C/FFP	BETA FLUID SYSTEMS/REIDSVILLE, NC	Apr-03	Apr-04			
FY2004	8	\$173,125	AFMC/WR-ALC	OPT/FFP	BETA FLUID SYSTEMS/REIDSVILLE, NC	Mar-04	Mar-05	Yes		
FY2005	1	\$147,134	AFMC/WR-ALC	OPT/FFP	BETA FLUID SYSTEMS/REIDSVILLE, NC	Dec-04	May-05	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 26			PAGE NO: 89				Page 1 of 1

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$20,806	\$31,013	\$38,839	\$43,330	\$41,532	\$44,364	\$40,751
<p>Description:</p> <p>Includes special purpose vehicles with a procurement value of less than \$5,000,000. These vehicles include Flightline, Maintenance and Facility Vehicles essential to base and flying operations. Items requested in FY05 are identified on the following P-40A I/L and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p> <p>Items Less Than \$5M (Special Purpose) received \$6,820K in the FY04 supplemental.</p> <p>Note: \$102K of FY05 funds will be reprogrammed from this P-1 Line to Hydrant Fuel Truck, P-1 Line #26 to offset administrative error addressed in P-1 Line #26.</p>								
	P-1 ITEM NO 27		PAGE NO: 90		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)					
TRAILER, CABLE REL 10T (BPAC 3992003)	2330004207079			5	\$426
TRUCK, TANK A24 (BPAC 3993001)	2320000898979			3	\$176
TRUCK, LIQUID NITROGEN C5A (BPAC 3993002)	2320000999346			6	\$1,529
TRUCK, TANK WATER (BPAC 3993015)	2320014652737			4	\$446
SEMI-TRAILER TRK LO/LN 4000G (BPAC 3994004)	2330008279351			3	\$355
SEMITRAILER, WATER DIST 5500G (BPAC 3994010)	3825005703417			6	\$553
SEMITRAILER, COMP GAS 38 CYL (BPAC 3994018)	2330009955613			3	\$667
TRAILER, WATER M-149 400 GAL (BPAC 3996003)	2330000606511			10	\$140
TRAILER, CHASSIS M-103 (BPAC 3996004)	2330001418052			3	\$41
DOLLY SET, 1022A1 (BPAC 3996006)	2330013789997			12	\$548
TRAILER, ISO CONTAINER M872 (BPAC 3996053)	2330011421385			5	\$192

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
REFRIGERATOR VAN 19000 GVW (BPAC 3997001)	2320007704467			5	\$358
SHOP VAN 4X2 19 GROSS VEHICLE WEIGHT (BPAC 3997004)	2320008188015			3	\$127
SHOP VAN 4X4 (BPAC 3997005)	2320008562480			8	\$488
TRUCK, MISSILE VAN PEC 11213 (BPAC 3997006)	2320013755833			12	\$1,360
TRUCK, HI-LIFT 9T STAKE & PLATFORM (BPAC 3999002)	2320005403991			6	\$1,098
TRUCK, HI-LIFT 3T (BPAC 3999003)	2320005403489			7	\$925
TRUCK, TP MAINT, 6 PAX (BPAC 399A001)	2320004512184			3	\$111
TRUCK, TELEPHONE LINE CONSTRUCTION C/REEL (BPAC 399A004)	2320013727398			9	\$1,399
TRUCK, MAINTENANCE 3/4 T 4X4 (BPAC 399A006)	2320005411714			39	\$1,334
TRUCK, HI REACH 45 FT (BPAC 399A007)	2320009955610YW			12	\$1,444
TRUCK, HI REACH 65 FT (BPAC 399A008)	2320009897163YW			9	\$1,357
TRUCK, HI REACH 100 FT (BPAC 399A009)	2320004869951YW			6	\$1,516

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
TRUCK, TELEPHONE MAINTENANCE STANDARD UTIL (BPAC 399A010)	2320008019193			105	\$3,310
TRUCK, MOUNTED DIGGER DERRICK 6X4 (BPAC 399A012)	2320004558464			11	\$2,649
TRUCK, MAINTENANCE 3/4T 4X4 JAPAN (BPAC 399A016)	2320005411714			7	\$134
TRUCK, TELEPHONE MAINTENANCE STD 4X2 JAPAN (BPAC 3991019)	2320008019193			4	\$108
TRUCK, TELEPHONE MAINTENANCE 1 TON (BPAC 399A021)	2320013437375			12	\$469
TRUCK, TELEPHONE MAINTENANE CREW CAB 4X4 (BPAC 399A025)	2320013951368			3	\$103
TRUCK, MAINTENANCE DIGGER DERRICK 6X4 (BPAC 399A026)	2320013977528			12	\$2,246
TRUCK, MAINT EXT CAB (BPAC 399A029)	2320015138386			5	\$152
TRUCK, HYDRANT HOSE R-12 (BPAC 399B002)	2320011252481			20	\$2,942
1 (BPAC 399B013)	2320NSL29			3	\$651
AF PLANT 42 VEHICLES (BPAC 399B035)	399B035			5	\$1,435
TRACTOR IW 40 (BPAC 399C001)	2420001900054			5	\$129

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (SPECIAL PURPOSE)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRACTOR, TOW MB-2 (BPAC 399C002)	1740001438464YW			24	\$2,799
TRACTOR, U30 AIRCRAFT TOWING AS32U (BPAC 399C003)	1740013679485YW			10	\$2,072
CARRIER O'SNOW, 10 PAX (BPAC 399D003)	2350008931225			3	\$455
WRECKER, TILT BED (BPAC 399E001)	2320013804755			4	\$427
TRUCK, WRECKER 4X2 32GVW HYD TYPE 1 (BPAC 399E004)	2320013033010			11	\$1,368
TRUCK, WRECKER 6X4 44.5GVW (BPAC 399E005)	2320011306353			3	\$465
TRUCK, WRECKER 21,000 GVW (BPAC 399E006)	2320007264347			3	\$335
TOTALS:					\$38,839

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CRASH P-19				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$4,800	\$16,158	\$16,520	\$20,457	\$11,838	\$6,802
<p>Description:</p> <p>This aircraft rescue and fire fighting truck equips our bases with a vehicle capable of rapidly extinguishing 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. The total Air Force P-19 requirement is determined by the type of aircraft frequenting an aerial facility and is driven by the number of gallons per minute of firefighting agent the truck can deliver. The P-19 provides for the sustained capability to provide rapid fire containment and control to allow personnel self egress at a crash scene. Rapid fire control will also prevent possible munitions detonation and suppress the spread of fire to the surrounding area thereby protecting personnel, facilities and other aircraft. The newly configured P-19 provides the firefighter an additional 500 gallons of agent at a fire scene; this increases the agent delivery time 33%. This increase is critical to any rescue effort. The P-19 is built to meet National Fire Protection Association (NFPA), Occupational Safety and Health Administration (OSHA), Federal Aviation Administration (FAA), and Air Force safety regulations.</p> <p>FY03 appears in Items Less Than \$5 Million (Fire Fighting).</p> <p>Items requested in FY05 are reflected on the 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. Our total inventory objective for this crash rescue truck is 560. Our current procurement requirement for shortages/replacements is 498. FY05 purchases 32 crash trucks.</p>								
	P-1 ITEM NO 28		PAGE NO: 95		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, CRASH P-19
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
TRUCK CRASH P-19 BPAC 4012	A			10	\$4,800	32	\$16,158
TOTALS:				10	\$4,800	32	\$16,158

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, CRASH P-19						
ITEM / 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 BPAC 4012										
FY2004	10	\$480	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Mar-04	Jan-05	Yes		
FY2005	32	\$505	AFMC/WR-ALC	MIPR/IDIQ	DSCP (UNKNOWN)	Jan-05	Oct-05	Yes		
Remarks: Cost information is in thousands of dollars.										
P-1 ITEM NO 28			PAGE NO: 97			Page 1 of 1				

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (FIRE FIGHTING)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,274	\$3,735	\$8,372	\$8,007	\$4,186	\$13,253	\$18,707
<p>Description:</p> <p>This P-1 line includes fire fighting vehicles with a procurement value of less than \$5,000,000. These vehicles provide critical capability in support of Aircraft Crash/Recovery, Personnel Rescue, and Hazardous Material mishaps. Items requested in FY05 are identified on the following P-40A I/L 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. The types of items contained within this P-1 line are critical (deployed) assets used in direct support of Air Force units engaged in contingency operations.</p>								
	P-1 ITEM NO 29		PAGE NO: 98		Page 1 of 1			

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (FIRE FIGHTING)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (FIRE FIGHTING)					
P-23 CRASH TRUCK (BPAC 4991)	4210007026801			2	\$1,175
TRUCK FIRE HI-REACH P-21 (BPAC 4993)	4210010570696			1	\$755
P-26 WATER TRUCK (BPAC 499D)	4210013564907			6	\$1,637
P-24 (P-8) TRUCK, PUMPER (BPAC 499E)	4210002331538			2	\$756
TRUCK, FIRE PUMPER (BPAC 499F)	4210002244564			3	\$1,056
TRUCK, FIRE FIGHTING MEDIUM RESCUE (BPAC 499J)	4210014525121			1	\$200
TRUCK, SMALL RESCUE (BPAC 499M)	4210015051040			6	\$685
TRUCK, FIRE FIGHTING MULTI-PURPOSE (BPAC 499P)	4210015001083			4	\$2,108
TOTALS:					\$8,372

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, F/L 6000 LB				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$7,408	\$0	\$346	\$0	\$140
<p>Description:</p> <p>This family of vehicles consists of 6,000 pound capacity commercial forklifts with pneumatic tires and either a diesel or liquid propane gas (LPG) engine. They are used in a wide variety of cargo movement operations: (1) Munitions Handling, (2) Aerial Transport, (3) Base Supply, (4) Warehouse, (5) Maintenance Shop, and (6) Adverse Terrain. More specifically, these forklifts come in various configurations: (1) Rigid Frame with standard mast and carriage design (2) Rigid Frame with Shooting Boom and (3) Articulating Frame. Unique options on these vehicles include: (1) Nuclear Certification, (2) Air Transportability, and (3) Electro-Magnetic Interference (EMI) Certified.</p> <p>FY03 & FY04 are funded in Items Less Than \$5M Material Handling Category.</p> <p>Items requested in FY05 are identified on the P-40A and are representative of the items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. Our total inventory objective for the 6,000 LB forklift is 1,711. Our current procurement requirement for shortages/replacements is 943. FY05 purchases 177.</p>								
	P-1 ITEM NO 30		PAGE NO: 100		Page 1 of 1			

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:

TRUCK, F/L 6000 LB

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRUCK, FORKLIFT 6K NARROW AISLE (BPAC 5021)	A							15	\$1,951
TRUCK, FORKLIFT 6K NUCLEAR CERTIFIED (BPAC 5022)	A							134	\$4,438
TRUCK, FORKLIFT 6K ROUGH TERRAIN (BPAC 5026)	A							5	\$220
TRUCK, FORKLIFT 6K VARIABLE REACH (BPAC 5028)	A							2	\$181
TRUCK, FORKLIFT 6K COMMERCIAL (BPAC 502A)	A							21	\$618
TOTALS:								177	\$7,408

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: TRUCK, F/L 6000 LB							
ITEM / 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, FORKLIFT 6K NARROW AISLE (BPAC 5021)										
FY2005	15	\$130,075	AFMC/WR-ALC	MIPR/FFP	DLA /(UNKNOWN)	Feb-05	Oct-05	No	Feb-04	
TRUCK, FORKLIFT 6K NUCLEAR CERTIFIED (BPAC 5022)										
FY2005	134	\$33,121	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP (HYSTER/DANVILLE, IL	Feb-05	Oct-05	Yes		
TRUCK, FORKLIFT 6K ROUGH TERRAIN (BPAC 5026)										
FY2005	5	\$43,943	AFMC/WR-ALC	MIPR/FFP	DLA /(UNKNOWN)	Feb-05	Oct-05	Yes		
TRUCK, FORKLIFT 6K VARIABLE REACH (BPAC 5028)										
FY2005	2	\$90,448	AFMC/WR-ALC	MIPR/FFP	DLA /(UNKNOWN)	Feb-05	Oct-05	No	Feb-04	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, F/L 6000 LB						
ITEM / 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, FORKLIFT 6K COMMERCIAL (BPAC 502A)										
FY2005	21	\$29,431	AFMC/WR-ALC	MIPR/FFP	DLA /(UNKNOWN)	Feb-05	Oct-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, F/L 10,000 LB				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$14,622	\$12,424	\$18,588	\$19,562	\$23,833	\$35,102	\$27,286
<p>Description:</p> <p>This family of vehicles consists of commercial 10,000 LB forklifts with diesel engines and pneumatic tires. These forklifts are air transportable and nuclear certified. They are compatible with and support all strategic and tactical airlift aircraft except wide-body Civil Reserve Air Fleet (CRAF) aircraft. The standard configuration is the most widely used 463L asset in the fleet and is employed at every base with an air cargo mission. The all-terrain version is utilized in close combat support roles in austere environments and provides support for the full spectrum of Air Force contingency operations. The Air Mobility Command (AMC) and other commands must replace these assets to assure continued support of the airlift mission for all services. These critical forklifts prevent major delays in loading outbound aircraft, particularly intra-theater C-130 re-supply missions. Base operations such as aircraft loading operations, cargo build-up, and pre-positioning would be drastically affected by lack of 463L all-terrain forklifts. During a contingency, deploying units would not be able to meet taskings. At many forward operating locations there is no alternative vehicle to accomplish cargo loading. These all-terrain forklifts are the only forklifts capable of recovering air dropped munitions, supplies, and equipment.</p> <p>Items requested in FY05 are identified on the P-40A and are representative of the items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. Our total inventory objective for the 10,000 LB forklift is 3,098. Our current procurement requirement for shortages/replacements is 2,320. FY05 purchases 193.</p> <p>Truck, 10k Fork Lift received \$996K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, F/L 10,000 LB
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TRUCK, FORKLIFT 10K ADVERSE TERRAIN (BPAC 5031)	A			71	\$8,886	66	\$8,834	88	\$11,817
TRUCK, FORKLIFT 10K STD (BPAC 5032)	A			92	\$5,736	53	\$3,590	105	\$6,771
TOTALS:				163	\$14,621	119	\$12,424	193	\$18,588

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, F/L 10,000 LB						
ITEM / 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, FORKLIFT 10K ADVERSE TERRAIN (BPAC 5031)										
FY2003	71	\$125,151	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (CATERPILLAR/PEORIA, IL)	Aug-03	Nov-03			
FY2004	66	\$133,845	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (CATERPILLAR/PEORIA, IL)	Apr-04	Oct-04	Yes		
FY2005	88	\$134,280	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (CATERPILLAR/PEORIA, IL)	Apr-05	Oct-05	Yes		
TRUCK, FORKLIFT 10K STD (BPAC 5032)										
FY2003	92	\$62,345	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (HYSTER, DANVILLE, IL)	Jan-04	Sep-04			
FY2004	53	\$67,741	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (HYSTER, DANVILLE, IL)	Apr-04	Oct-04	Yes		
FY2005	105	\$64,490	AFMC/WR-ALC	MIPR/IDIQ	DLA/DSCP (HYSTER, DANVILLE, IL)	Apr-05	Oct-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (MATERIALS HANDL EQUIP)
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,670	\$9,724	\$18,184	\$6,657	\$6,161	\$5,160	\$11,361

Description:

This program includes various material handling vehicles with a procurement value of less than \$5,000,000. These vehicles consist of Lifting Trucks, Sequencing Trucks, and other warehouse equipment critical to depot and base supply operations. Items requested in FY05 are identified on the P-40A I/L 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.

Materials Handling Equipment received \$370,000 in the FY 04 supplemental.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (MATERIALS HANDL EQUIP)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
FORKLIFT, 4K ELEC ARTICULATING (BPAC 5991001)	3930011450120			9	\$302
FORKLIFT, 13K ALL TERRAIN (BPAC 5991003)	3930011260457CT			14	\$2,070
FORKLIFT, ELECTRIC 4K STANDARD 144 (BPAC 5991005)	3930000539175			22	\$808
FORKLIFT, ELECTRIC 2K STANDARD (BPAC 5991006)	3930006782580			12	\$288
FORKLIFT, 2500LB ELECTRIC (BPAC 5991009)	3930011022185			8	\$199
FORKLIFT, N/AISLE ELECTRIC (BPAC 5991010)	3930011028906			9	\$271
FORKLIFT, 2500 LBELEC PT (BPAC 5991012)	3930011040164			8	\$211
FORKLIFT, SIDE LDR 4K ELECTRIC (BPAC 5991018)	3930013499908			9	\$567
TRUCK, FL DED 20000 LB PT (BPAC 5991019)	3930010396763			10	\$964
TRACTOR, WHSE WALKING, 700LB (BPAC 5991021)	3930009901302			11	\$166
FORKLIFT, 10K NON-463L (BPAC 5991023)	3930010153965			9	\$439
FORKLIFT, 4K DED (BPAC 5991027)	3930010130338			59	\$1,570

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (MATERIALS HANDL EQUIP)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
FORKLIFT, 5K COMMERCIAL (BPAC 5991035)	3930014330885			17	\$461
TRUCK, FORKLIFT 15K (BPAC 5991037)	3930014411597			21	\$1,301
TRUCK, F/L 44K CONTR HDLR (BPAC 5991046)	3930014662860			11	\$3,402
CRANE, WAREHOUSE GAS 10000LB (BPAC 5992005)	3950005555021			12	\$1,080
CRANE, ELEC WAREHOUSE (BPAC 5992012)	3950005555022			11	\$581
TRUCK, MOUNTED CONVEYOR BELT (BPAC 5993001)	3930000195630			16	\$591
WHEELED CONVEYOR BELT PORTABLE (BPAC 5993002)	3910001417188			10	\$855
TRACTOR, WAREHOUSE 4K (BPAC 5994007)	3930010070115			69	\$1,818
TRACTOR, WAREHOUSE ELEC 4K, (BPAC 5994019)	3930008114125			10	\$241
TOTALS:					\$18,184

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: LOADER, SCOOP				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$5,804	\$9,414	\$0	\$496	\$800	\$280
<p>Description:</p> <p>This program includes the procurement of a vehicle group consisting of commercial front end scoop loaders ranging from 1.5 to 5 cubic yards (CY). These vehicles are considered construction equipment and have many applications, but are used primarily by civil engineers to clear debris and other materials for both new construction sites as well as the removal of old structures. They are also used by Rapid Engineer Deployable Heavy Operational Repair Squadron, Engineering (REDHORSE) units for Rapid Runway Repair and road construction. They are crucial to civil engineering operations in base maintenance projects and in the role of mission support operations. They are used by the military in support of clean up operations following natural disasters/terrorist attacks while aiding civilian operations. Scoop Loaders are used very extensively in the rebuilding efforts in Iraq.</p> <p>Items requested in FY05 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. Our total inventory objective for Scoop Loaders is 1,367. Our current procurement requirement for shortages/replacements is 992. FY05 purchases 93 loaders.</p> <p>Loader, Scoop received \$189K in the FY04 supplemental.</p>								
	P-1 ITEM NO 35		PAGE NO: 110		Page 1 of 1			

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

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
LOADER, SCOOP

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
5CY SCOOP LDR PT (BPAC 6112)	A					12	\$1,083	17	\$1,534
2.5CY SCOOP LDR FT (BPAC 6113)	A							4	\$851
5CY SCOOP LDR W/Q CPLR (BPAC 6114)	A					25	\$2,285	19	\$1,760
4CY SCP LDR PT (BPAC 6115)	A					9	\$1,663	19	\$3,511
SCP LDR W/BKHOE (BPAC 6118)	A					2	\$103		
SCP LDR W/BKHOE (BPAC 6119)	A					13	\$671	34	\$1,758
TOTALS:						61	\$5,804	93	\$9,414

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: LOADER, SCOOP						
ITEM / 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	
5CY SCOOP LDR PT (BPAC 6112)										
FY2004	12	\$90,242	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-04	Oct-04	Yes		
FY2005	17	\$90,242	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-05	Oct-05	Yes		
2.5CY SCOOP LDR FT (BPAC 6113)										
FY2005	4	\$212,800	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-05	Oct-05	Yes		
5CY SCOOP LDR W/Q CPLR (BPAC 6114)										
FY2004	25	\$91,383	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-04	Oct-04	Yes		
FY2005	19	\$92,613	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-05	Oct-05	Yes		
4CY SCP LDR PT (BPAC 6115)										
FY2004	9	\$184,763	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-04	Oct-04	Yes		
P-1 ITEM NO 35					PAGE NO: 112		Page 1 of 2			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: LOADER, SCOOP							
ITEM / 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	19	\$184,789	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-05	Oct-05	Yes		
SCP LDR W/BKHOE (BPAC 6118)										
FY2004	2	\$51,577	AFMC/WR-ALC	MIPR/FFP	NAVY (UNKNOWN)	Apr-04	Oct-04	Yes		
SCP LDR W/BKHOE (BPAC 6119)										
FY2004	13	\$51,577	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-04	Oct-04	Yes		
FY2005	34	\$51,712	AFMC/WR-ALC	MIPR/FFP	DLA (UNKNOWN)	Apr-05	Oct-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: GRADERS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$4,202	\$5,092	\$5,112	\$5,132	\$5,153
<p>Description:</p> <p>Graders are civil engineering specific assets critical to Rapid Engineers Deployable Heavy Operational Repair Squadron Engineer (RED HORSE) deployments and airfield operations at a number of USAF forward-deployed locations. These assets are utilized for airfield preparations, site setups, etc. They are currently among the oldest vehicle type in the USAF's vehicle inventory. Graders are mission essential for the support of military operations, particularly in deployed locations. During Operation Enduring Freedom and Operation Iraqi Freedom the USAF used graders extensively to rebuild runways, roads, and industrial areas. Without mission ready and timely replacement of assets, airfield and other site setup at forward deployed locations will come to a standstill.</p> <p>FY03 and FY04 are listed as Items Less, Base Maintenance Category.</p> <p>Items requested in FY05 are identified on the 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. The total Air Force FY05 inventory objective is 355 with a procurement requirement of 285. FY05 procures 29 Graders.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
GRADERS

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GRADER, SIZE 5, TYPE III (BPAC 6121)	A							22	\$3,102
GRADER, SIZE 6 (BPAC 6122)	A							5	\$700
GRADER, SIZE 7 (BPAC 6123)	A							2	\$400
TOTALS:								29	\$4,202

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: GRADERS						
ITEM / 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	
GRADER, SIZE 5, TYPE III (BPAC 6121)										
FY2005	22	\$141,005	AFMC/WR-ALC	MIPR/IDIQ	DLA/UNKNOWN	Apr-05	Aug-05	Yes		
GRADER, SIZE 6 (BPAC 6122)										
FY2005	5	\$140,031	AFMC/WR-ALC	MIPR/IDIQ	DLA/UNKNOWN	Apr-05	Aug-05	Yes		
GRADER, SIZE 7 (BPAC 6123)										
FY2005	2	\$200,056	AFMC/WR-ALC	MIPR/IDIQ	DLA/UNKNOWN	Apr-05	Aug-05	Yes		
Remarks: Cost information is in actual dollars.										
			P-1 ITEM NO 36			PAGE NO: 116	Page 1 of 1			

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, DUMP				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$5,043	\$10,609	\$12,076	\$10,423	\$14,342	\$14,730
<p>Description:</p> <p>This program includes the procurement of a vehicle group consisting of commercial dump trucks. These vehicles have many applications, but are used primarily by civil engineers to haul debris and other construction material. They provide crucial support to Rapid Runway Repair (RRR) operations and are also used for moving material at construction sites. They also provide essential combat and sustainment support for bare base construction/operation for Rapid Engineer Deployable Heavy Operational Repair Squadron, Engineering (RED HORSE). As one of the primary users, the Air National Guard (ANG) uses these vehicles in support of clean up operations following natural/manmade disasters while aiding civilian operations.</p> <p>Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements. Our total inventory objective for dump trucks is 1,627. Our current procurement requirement for shortages/replacements is 1,209. FY05 purchases 127 trucks.</p> <p>Truck, Dump received \$90K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, DUMP
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
5T DUMP 4X2 (BPAC 6131)	A					30	\$1,563	36	\$1,879
5T DUMP 4X4 (BPAC 6132)	A					9	\$672	18	\$1,363
5 KGVW 6X4 DUMP (BPAC 6133)	A					30	\$2,724	33	\$3,050
5T DUMP 6X4 (BPAC 6134)	A							20	\$2,000
22T DUMP ARTICULATED (BPAC 6135)	A							7	\$1,682
5T DUMP 4X2 JAPAN (BPAC 6136)	A					2	\$84	7	\$300
5T DUMP 4X4 (BPAC 6137)	A							3	\$166
5T DUMP 4X2 (BPAC 6138)	A							3	\$169
TOTALS:						71	\$5,043	127	\$10,609

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, DUMP						
ITEM / 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	
5T DUMP 4X2 (BPAC 6131)										
FY2004	30	\$52,109	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jul-04	Yes		
FY2005	36	\$52,197	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jul-05	Yes		
5T DUMP 4X4 (BPAC 6132)										
FY2004	9	\$74,710	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Jun-04	Yes		
FY2005	18	\$75,746	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Jun-05	Yes		
5 KGVW 6X4 DUMP (BPAC 6133)										
FY2004	30	\$90,794	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Oct-04	Yes		
FY2005	33	\$92,414	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Oct-05	Yes		
5T DUMP 6X4 (BPAC 6134)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: TRUCK, DUMP
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ITEM / 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	20	\$99,995	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Sep-05	Yes	
22T DUMP ARTICULATED (BPAC 6135)									
FY2005	7	\$240,350	AFMC/WR-ALC	MIPR/IDIQ	DSCP/UNKNOWN	Apr-05	Jun-06	Yes	
5T DUMP 4X2 JAPAN (BPAC 6136)									
FY2004	2	\$41,799	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Mar-04	Sep-04	Yes	
FY2005	7	\$42,855	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Mar-05	Mar-05	Yes	
5T DUMP 4X4 (BPAC 6137)									
FY2005	3	\$55,266	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Apr-05	Aug-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: TRUCK, DUMP						
ITEM / 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	
5T DUMP 4X2 (BPAC 6138)										
FY2005	3	\$56,237	AFMC/WR-ALC	MIPR/IDIQ	NAVY (UNKNOWN)	Mar-05	Aug-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,841	\$16,177	\$22,589	\$32,276	\$39,262	\$34,010	\$31,963
<p>Description:</p> <p>This program includes the procurement of a vehicle group consisting of commercial sweepers and snow removal vehicles that are used on all airfield surfaces to help prevent Foreign Object Damage (FOD) to aircraft engines and tires and to remove snow. Snow removal equipment includes front mounted brooms, multi-purpose blowers, and plows. Multi-purpose vacuum sweepers maintain airfields, roads, and grounds. Since fighter aircraft cannot land or take off with ice on the runway, snow removal vehicles provide critical mission support to airfield operations. 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 down a runway. The types of items contained within this P-1 line are critical (deployed) assets used in direct support of Air Force units engaged in contingency operations.</p> <p>Items requested in FY05 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. Our total inventory objective for Runway Snow Removal and Cleaning Equipment is 1,753. Our current procurement requirement for shortages/replacements is 1,236. FY05 procures 100 Runway Snow Removal and Cleaning Equipment vehicles.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT						
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST	
CLEANER, VAC MULTIPURPOSE (BPAC 6211)	A			15	\$1,465	24	\$2,528	20	\$2,281	
SNOW REMOVAL UNIT 3K TON PER HOUR (BPAC 6214)	A			1	\$282	2	\$572	8	\$2,351	
RAPID RUNWAY REPAIR DIRT SWEEPER (BPAC 6215)	A							11	\$617	
DUMP W/SNOW PLOW (BPAC 6218)	A			15	\$1,916	4	\$525	2	\$277	
54K PLOW (BPAC 6219)	A			1	\$203			1	\$218	
DUMP W/SNOW PLOW (BPAC 621C)	A					1	\$102	8	\$831	
45K REVERSIBLE PLOW (BPAC 621G)	A			28	\$6,478	21	\$5,146	24	\$5,964	
SNOW BROOM AND BLOWER (BPAC 621H)	A			22	\$7,497	21	\$7,304	26	\$10,050	
TOTALS:				82	\$17,841	73	\$16,177	100	\$22,589	
Remarks: Cost information is in thousands of dollars.										
			P-1 ITEM NO 38				PAGE NO: 123			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT						
ITEM / 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 (BPAC 6211)										
FY2003	15	\$97,687	AFMC/WR-ALC	MIPR/IDIQ	DLA/ELGIN/ELGIN, IL	Mar-03	Jun-03			
FY2004	24	\$105,327	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-04	Jul-04	Yes		
FY2005	20	\$114,044	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Jul-05	Yes		
SNOW REMOVAL UNIT 3K TON PER HOUR (BPAC 6214)										
FY2003	1	\$282,170	AFMC/WR-ALC	MIPR/IDIQ	DLA/OSKOSH/OSKOSH, WI	Jul-03	Jun-04			
FY2004	2	\$285,850	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-04	Sep-04	Yes		
FY2005	8	\$293,917	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Sep-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT							
ITEM / 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 RUNWAY REPAIR DIRT SWEEPER (BPAC 6215)										
FY2005	11	\$56,112	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Jul-05	Yes		
DUMP W/SNOW PLOW (BPAC 6218)										
FY2003	15	\$127,734	AFMC/WR-ALC	MIPR/IDIQ	GSA/FREIGHTLINER INC./PORTLAND, OR	Apr-03	Sep-03			
FY2004	4	\$131,250	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Sep-04	Yes		
FY2005	2	\$138,464	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Sep-05	Yes		
54K PLOW (BPAC 6219)										
FY2003	1	\$202,743	AFMC/WR-ALC	MIPR/IDIQ	DLA/OSKOSH/OSKOSH, WI	Aug-03	Jul-04			
FY2005	1	\$217,590	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Sep-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT			P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT							
ITEM / 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 (BPAC 621C)										
FY2004	1	\$102,000	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-04	Sep-04	Yes		
FY2005	8	\$103,894	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Sep-05	Yes		
45K REVERSIBLE PLOW (BPAC 621G)										
FY2003	28	\$231,344	AFMC/WR-ALC	MIPR/IDIQ	DLA/OSKOSH/OSKOSH, WI	Aug-03	Jul-04			
FY2004	21	\$245,041	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-04	Nov-04	Yes		
FY2005	24	\$248,520	AFMC/WR-ALC	MIPR/IDIQ	GSA (UNKNOWN)	Mar-05	Nov-05	Yes		
SNOW BROOM AND BLOWER (BPAC 621H)										
FY2003	22	\$340,773	AFMC/WR-ALC	MIPR/IDIQ	DLA/OSKOSH/OSKOSH, WI	Aug-03	Aug-04			
FY2004	21	\$347,826	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-04	Nov-04	Yes		
FY2005	26	\$386,526	AFMC/WR-ALC	MIPR/IDIQ	DLA (UNKNOWN)	Mar-05	Nov-05	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: RUNWAY SNOW REMOVAL AND CLEANING EQUIPMENT						
ITEM / 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: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: CRANE, 7-50 Ton				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$0	\$5,827	\$5,610	\$5,629	\$5,648	\$5,662
<p>Description:</p> <p>This program includes the procurement of a vehicle group consisting of commercial cranes ranging from 7.5 ton to 65 tons. These vehicles are categorized as construction equipment with numerous applications. They are primarily used by civil engineering. Cranes are critical for a variety of Air Force missions involving heavy lifting tasks. Common use of cranes includes removal of air conditioning units from building tops, loading/unloading barriers, placing vehicles on trailers, supporting plumber's lift stations, etc. Cranes are also used to support maintenance of aircraft weapon systems such as F-15, C-130, C-5, C-141, and C-17. They are used to remove/install flight controls, engines, and horizontal stabilizers. Weapon system support also includes repositioning of wings from installation dollies to transportation dollies, and lifting canopies and wings for F-15 fuselage maintenance, etc. The versatile use of cranes provides a valuable capability to the Air Force.</p> <p>FY04 procurement was funded in Items Less Than \$5M Base Maintenance Support.</p> <p>Items requested in FY05 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. Our total inventory objective for Cranes is 348. Our current procurement requirement for shortages/replacements is 281. FY05 purchases 27 cranes.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
CRANES

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
CRANE, 20T CRAWLER (BPAC 6322)	A					1	\$72
CRANE, 15T HYDRAULIC (BPAC 6323)	A					3	\$400
CRANE, 35T CRASH RECOVERY (BPAC 6324)	A					4	\$1,425
CRANE, 7.5T (BPAC 6326)	A					6	\$1,228
CRANE, 40T CRAWLER (BPAC 6328)	A					1	\$396
CRANE, 25T R/T (BPAC 6329)	A					11	\$1,918
CRANE, 17T (BPAC 632B)	A					1	\$388
TOTALS:						27	\$5,827

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: CRANE, 7-50 Ton						
ITEM / 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	
CRANE, 20T CRAWLER (BPAC 6322)										
FY2005	1	\$72,042	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
CRANE, 15T HYDRAULIC (BPAC 6323)										
FY2005	3	\$133,370	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
CRANE, 35T CRASH RECOVERY (BPAC 6324)										
FY2005	4	\$356,328	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
CRANE, 7.5T (BPAC 6326)										
FY2005	6	\$204,637	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: CRANE, 7-50 Ton						
ITEM / 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	
CRANE, 40T CRAWLER (BPAC 6328)										
FY2005	1	\$395,740	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
CRANE, 25T R/T (BPAC 6329)										
FY2005	11	\$174,361	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
CRANE, 17T (BPAC 632B)										
FY2005	1	\$387,742	AFMC/WR-ALC	MIPR/FFP	DLA/DSCP/ (UNKNOWN)	Apr-05	Sep-05	Yes		
Remarks: Cost information is in actual dollars.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,129	\$561	\$4,474	\$4,034	\$1,230	\$1,251	\$1,270
<p>Description:</p> <p>This program includes permanent modifications that consist of configuration changes to in-service systems and equipment. These modifications correct deficiencies, (material, design, etc.) add, or delete capability. Safety modifications correct deficiencies which would potentially produce hazards to personnel, systems, or equipment. This budget line encompasses both new and on-going modification efforts for vehicular equipment. FY05 funds are needed for modification of the P-23 fire truck hub and axle replacement.</p> <p>Currently, "M" series tactical vehicles are limited on highway speed (cannot exceed 40 mph) due to a required modification to the ABS on the vehicles. The "M" series vehicles are limited in capability due to this modification requirement. Once this low cost modification is completed, the vehicles will no longer be limited and will be able to resume travel at normal highway speed.</p> <p>The P-23 fire truck modification is required as a result of critical failures in the hub assemblies due to cracks caused by metal fatigue. The modification consists of a redesigned, improved hub assembly and retrofit of the P-23 fire truck fleet of 250 trucks. The contract for the redesign, testing, and manufacturing for the retrofit of the number 3 axle was awarded Jun 03 with delivery scheduled to start Aug 05. Field level maintenance personnel will remove the old design and replace with the redesigned hub. Total estimated modification cost is \$8M.</p> <p>Items requested in FY05 are identified on the 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/VEHICULAR EQUIPMENT

P-1 NOMENCLATURE:
MODIFICATIONS

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MISC LOW COST MODIFICATIONS	A								\$349
M SERIES ABS MODIFICATIONS (BPAC 697A)	A				\$2,870		\$561		
AFMC HYBRID WAREHOUSE TUG (BPAC 697B)	A				\$64				
P-23 CRASH TRUCK MODIFICATION (BPAC 697P)	A				\$5,195				\$4,125
TOTALS:					\$8,129		\$561		\$4,474

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE MAINTENANCE SPT)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$21,043	\$19,278	\$34,013	\$52,943	\$35,375	\$34,036	\$26,772
<p>Description:</p> <p>This program includes various Base Maintenance Vehicles with a procurement value of less than \$5,000,000 and are Identification Code A items. These vehicles provide Civil Engineering personnel with the capability to conduct sanitary landfill operations, improve airfield safety by removing foreign object damage materials, and repair and construct base physical plant requirements.</p> <p>Items requested in FY05 are identified on the following P40-A-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.</p> <p>Items Less Than \$5M (Base Maintenance Support) received \$7,108K in the FY04 supplemental.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE MAINTENANCE SPT)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (BASE MAINTENANCE SPT)					
MIXER CONCRETE TRAILER MOUNTED (BPAC 6992021)	3895010055422			7	\$997
PAVING MACHINE RUBBER TIERED (BPAC 6992022)	3895010575288			8	\$1,487
SMALL UNIT SUPPORT VEHICLE (SUSV) (BPAC 6994002)	2350011329099			6	\$1,428
SCRAPER SELF PROPELLED 11-12 CUBIC YARD (BPAC 6996001)	3805011538646			6	\$1,159
SCRAPER MOTORIZED 18 CUBIC YARD (BPAC 6996003)	3805002349778			11	\$4,151
ROLLER MOTORIZED PNEUMATIC TIERED SELF- PROPELLED 15T (BPAC 6997002)	3895000785898			8	\$555
ROLLER ROAD MOTORIZED TANDEM (BPAC 6997005)	3895002436797			12	\$354
ROLLER VIBRATING TYPE II (BPAC 6997006)	3895010715625			9	\$954
EXCAVATOR CRAWLER (BPAC 6999002)	3805010583562			11	\$1,783
EXCAVATOR DIESEL ENGINE DRIVEN PT (BPAC 6999003)	3805011067176			13	\$3,000
EXCAVATOR CRAWLER (BPAC 6999004)	3805010583562			7	\$1,148

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE MAINTENANCE SPT)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
TRENCHER SELF-PROPELLED W/TRAILER (BPAC 699B002)	3805010329974			14	\$1,635
ROCK DRILL CRAWLER MOUNTED (BPAC 699C003)	3820000509964			6	\$555
TRAILER DITCHING MACHINE (BPAC 699C015)	2330010794053			9	\$105
TRUCK, WASTE WATER 2000 (BPAC 699C037)	2320005802819			8	\$1,185
TRUCK, PIPE & SEWER CLEAN (BPAC 699C039)	2320001960811			4	\$647
TRAILER, MANHOLE CLEANER (BPAC 699C042)	2330003073295			10	\$648
TRUCK, SEWER, DUAL AXLE (BPAC 699C046)	2320015005501			5	\$1,174
TRACTOR, WHEELED W/DOZER (699E003)	2420005403881			7	\$1,785
TRACTOR, IW90 INDUSTRIAL (BPAC 699E004)	2420014062995			8	\$417
TRACTOR, IW70 INDUSTRIAL (BPAC 699E005)	2420001138984			52	\$1,594
TRACTOR, WHEELED 85HP 4WD (BPAC 699E006)	2420012058579			4	\$236
DOZER, T4 (BPAC 699G001)	2410001664176			6	\$516

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/VEHICULAR EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE MAINTENANCE SPT)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
DOZER, T7 (BPAC 699G002)	2410007561161			13	\$2,996
DOZER, T9 (BPAC 699G003)	2410008165091			5	\$1,656
DOZER, T11 (BPAC 699G004)	2410007317872			5	\$1,851
TOTALS:					\$34,013

Remarks:
Cost information is in thousands of dollars.

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMSEC EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$42,138	\$30,246	\$46,867	\$58,192	\$108,457	\$143,779	\$183,867
<p>Description:</p> <p>This program funds procurement of Communications Security (COMSEC) equipment, ancillary encryption/decryption devices, 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 and DoD missions. Supported systems fall within Air Force Information Systems Security (INFOSEC) and Information Assurance (IA) arenas. Development funding for this program is in Program Element 33140F.</p> <p>1. COMSEC EQUIPMENT: FY05 funding continues in the following three categories.</p> <p style="margin-left: 40px;">a. SPACE COMMUNICATIONS SECURITY PRODUCTS (SPECIAL PROJECTS): Space COMSEC is on the front line of AF Space and Information superiority goals. Space COMSEC provides communications security products, to all DoD satellite systems. It enables secure command and control of DoD satellites and prevents unauthorized access and destruction. It enables secure transmission of satellite systems health and status telemetry data to ground control stations thus protecting critical information about the capabilities of DoD satellite systems. Space COMSEC provides the warfighter with global secure anti-jam communications capabilities. It provides secure transmission of information collected by sensor satellites, which provides the warfighter an integrated view of the battle space. Space COMSEC will be critical to enabling Transformational Communications secure integration into the Global Information Grid. Space COMSEC Products are grouped in three primary product families:</p> <p style="margin-left: 40px;">(1) High Speed: The High Speed Product family provides secure transmission for large volumes of satellite sensor data to the ground station for processing. Specifically, High Speed products are eight-channel downlink encryption products used in ground station processing facilities. Sensor satellites</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMSEC EQUIPMENT			
Description 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 in order to protect the interests of the nation. Current High Speed Space COMSEC products achieve data rates up to 3.2 Gbps. Future Transformational Communication system requirements will continue to push the limits of High Speed satellite link products with estimates in the 10 Gbps to 40 Gbps range. High Speed products average \$2 million dollars per unit due to cutting edge technology, multi-channel capacity, and low rate production. (2) Command/Telemetry (CMD/TLM) : CMD/TLM products provide secure transmission of satellite command and control uplinks and secure transmission of satellite telemetry and tracking data. All DoD satellite systems require secure command and control 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 Ground Operating Equipment (GOE), sustainment products, and ground station products. The family includes embedment products and complete stand along COMSEC products. CMD/TLM products cost from \$10,000 for an embedment 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. (3) Transmission Security (TRANSEC): Provides warfighter secure anti-jam satellite communications capabilities essential for mission accomplishment. TRANSEC 3080 products provide embedment products for warfighter satellite communication terminals such as Family of Beyond Line of Sight Terminals (FAB-T). TRANSEC products cost from \$10,000 for an embedment circuit card to \$40,000 per unit for stand alone units. The high cost can be attributed to specialized government requirements and low rate production for satellite systems. 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. Secure encryption products provided include, but are not limited to, Network Encryption Systems, aircraft secure voice and data, traditional and wireless telecommunications, and embedded cryptographic modules for use in tactical and strategic environments.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMSEC EQUIPMENT			
Description <p>c. AIR FORCE ELECTRONIC KEY MANAGEMENT SYSTEM (AFEKMS): AFEKMS is an Acquisition Category (ACAT) III acquisition and sustainment program providing secure, flexible, and timely upgrades to cryptologic key generation, distribution, and management systems. (Reference Program Element 33140F of the Air Force Descriptive Summaries.)</p> <p>(1) SIMPLIFIED KEY LOADER (SKL): The SKL is a handheld, low-cost, ruggedized and simplified-operation Personal Data Assistant (PDA) device for routine, end crypto unit key fill operations. Army Communications Electronic Command (CECOM) is funding the development of this multi-service development. The SKL LRIP contract awarded in FY03. This device replaces current paper tape loader (KOI-18 & KYK-13) and Data Transfer Device (AN/CYZ-10) equipment.</p> <p>(2) KOV-21 CARDS: The KOV-21 card is a Personal Computer Memory Card International Association (PCMCIA) Information Security (INFOSEC) Card developed for the National Security Agency. The KOV-21 card will be the crypto engine for all next generation key loading and field management devices. KOV-21, used in conjunction with the Data Management Device (DMD) and Simplified Key Loader (SKL) hosts, will replace outdated, out of production, and slower Digital Transfer Device (DTDs) in support of base and user level key management.</p> <p>(3) DMD WORKSTATIONS: The DMD workstation supports end user level key management operations worldwide. It automates the entry of payload data required for the improvement of operations at the Tier 2 - Tier 3 interface. Primary goal is to get the key to the user while maintaining critical operational objectives such as security, flexibility, interoperability, speed of service, and economy. The DMD is initially targeted at those users who must use Common Tier 3 software (ARC-210, Link 16/Fighter Data Link) on the DTD and need a workstation capability for complex key and other data loads. It ultimately will be used for all key organizations for operational units throughout the Air Force.</p> <p>d. CRYPTOGRAPHIC MODERNIZATION: The fundamental requirement of the Cryptographic Modernization Program is to develop a modern cryptographic database that supports security, interoperability, flexibility and programming ability, and Key Management Infrastructure (KMI) compatibility. The requirements dictated by cryptographic modernization apply to all C4ISR IT systems employing Type 1 cryptography used to encrypt classified and</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMSEC EQUIPMENT			
Description sensitive 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. FY05 funding will go towards procuring KIV-7M, a cryptographic device designed specifically for secure data communications and to transfer the encryption electronic key. Satellite systems cannot complete their mission without this equipment. e. KEY MANAGEMENT INFRASTRUCTURE: No FY05 funds are requested. 2. COMPUTER NETWORK SUPPORT: Computer network support provides Defensive Counter Information capability to protect AF computer systems and their information against unauthorized intrusion, corruption, and/or destruction, be it deliberate or unintentional. This program contains AF Information Warfare Center (AFIWC) and 67th Information Operations Wing (67th IW) programs and initiatives to protect AF computers, whether they are stand-alone, networked, telephone switches, or embedded in weapon systems, and provide Information Warfare (IW) threat prediction for AF systems. A brief description by program/initiative follows. a. COMPUTER SECURITY ASSISTANCE PROGRAM (CSAP) AF COMPUTER EMERGENCY RESPONSE TEAM (AFCERT): No FY05 funds are requested. b. 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 AFCERT and the CSAP Assessment Teams, as well as AF, DoD, and authorized national agencies. Data collected by the AFCERT and Assessment Teams directly influences development of countermeasure tools and drives the near real-time implementation of countermeasures in the field. Funding procures hardware/software necessary for vulnerability analysis, vulnerability identification, countermeasure development, and testing in an environment simulating the real-world operational environment. c. CSAP ASSESSMENTS: No FY05 funding is requested. d. SENSOR SHADOW: No FY05 funding is requested.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMSEC EQUIPMENT			
Description e. IW COUNTRY BUILDS (CTAS): No FY05 funding is requested. f. IW REACHBACK (CI LAN): No FY05 funding is requested. g. SERVER CONSOLIDATION: No FY05 funding is requested. h. ALTERNATE OPERATING LOCATION: No FY05 funding is requested. i. TECHNICAL REFRESH: No FY05 funding is requested. 3. C4ISR: No FY05 funding is requested. 4. US SPACE COMMAND: a. USSPACECOM: No FY05 funding is requested. b. NORTHCOM HLS Office: No FY05 funding is requested. The COMSEC equipment program received \$55,000 in the FY04 supplemental. Items requested in FY05 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMSEC EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMSEC EQUIPMENT (1-2)					{ \$40,355,000 }		{ \$30,246,000 }		{ \$46,867,000 }
SPACE COMSEC PRODUCTS					{ \$8,667,000 }		{ \$9,236,000 }		{ \$19,364,000 }
TRANSEC LOGISTICS	A				\$307,041				
KGR-28A	A				\$2,359,959		\$1,092,000		\$3,000,000
CMD/TLM LOGISTICS	A								\$339,003
KGR-247 LOGISTICS	A						\$6,565,000		\$8,024,997
HIGH SPEED LOGISTICS	A				\$2,000,000		\$1,579,000		
KGR-247	A				\$4,000,000				\$8,000,000
AIR & GROUND COMM PROGRAM					{ \$10,529,000 }		{ \$8,790,925 }		{ \$9,975,000 }
COMSEC MULTIFUNCTIONAL RADIO MD133	A				\$1,139,000				
KEY GENERATORS	A				\$45,000		\$75,000		\$38,000
SECURE TELEPHONES	A				\$220,000		\$375,000		\$150,001

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMSEC EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SOFTWARE SYSTEM UPGRADE	A				\$345,000		\$277,006		\$297,000
CAR	A				\$735,000		\$677,000		\$365,000
SUPPORT EQUIPMENT	A				\$281,000		\$100,000		\$115,000
SECURE COMMUNICATIONS VOICE/DATA	A				\$935,000		\$125,000		\$299,999
NETWORK ENCRYPTION SYSTEMS	A				\$6,824,000		\$6,868,922		\$8,035,000
EMBEDDED ENCRYPTION DEVICES	A				\$5,000		\$292,997		\$675,000
CRYPTOGRAPHIC MODERNIZATION									{ \$12,229,999 }
KIV-7M/KIV-19M	A								\$12,229,999
AFEKMS					{ \$4,396,000 }		{ \$10,199,075 }		{ \$3,280,001 }
AFEKMS (TECH UPDATE)	A								\$650,501
AFEKMS (SECURE DTD 2000 SYSTEMS) (SDS)	A				\$868,000				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMSEC EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AFEKMS (HW/SW UPGRADE)	A				\$25,000				
AFEKMS (TIER 2 LAN)	A						\$200,075		
AFEKMS (KOV-21 CARDS)	B				\$898,000		\$577,000		\$74,500
AFEKMS (SIMPLE KEY LOADER) (SKL)	B						\$9,422,000		\$2,555,000
AFEKMS (SIMPLE KEY LOADER) (SKL) W/O KOV-21 CARDS	B				\$2,605,000				
COMPUTER NETWORK SUPPORT	A				{\$4,643,000}		{\$2,020,000}		{\$2,018,000}
IW REACHBACK (CI LAN)	A				\$231,000				
IW COUNTRY BUILDS (CTAS)	A				\$334,000				
SENSOR SHADOW	A				\$887,000				
CSAP ASSESSMENTS	A				\$944,000				
CSAP COUNTERMEASURES	A				\$1,990,000		\$2,020,000		\$2,018,000
CSAP (AFCERT)	A				\$257,000				

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

COMSEC EQUIPMENT

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	
KEY MANAGEMENT INFRASTRUCTURE - AAW000					{\$2,893,000}			
KMI MANAGER WORKSTATIONS	A				\$198,200			
ISDR: INTEGRATED SATCOM INTERFERENCE DETECTION/RESPONSE	A				\$410,000			
GEOLOCATION	A				\$501,008			
DIRECTORY SERVICES	A				\$1,189,200			
AF SMART CARD CERTIFICATE LOGON	A				\$336,940			
AF CAC PIN RESET	A				\$257,653			
US SPACE COMMAND - AUQ000					{\$9,227,000}			
USSPACECOM	A				\$1,486,000			
NORTHCOM HLS OFFICE	A				\$7,741,000			
INTEGRATION	A				\$1,783,000			
COMSEC EQUIPMENT								

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMSEC EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TOTALS:					\$42,138,000		\$30,246,000		\$46,867,000

Remarks:

Cost information is in actual dollars.

- (1) Multiple equipment types and unit costs within TRANSEC family (SPACE COMSEC).
- (2) Multiple equipment types and unit costs within various families of AIR & GROUND SECURITY PRODUCTS.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MODIFICATIONS (COMSEC)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$452	\$0	\$462	\$2,384	\$479	\$1,478	\$1,508
<p>Description:</p> <p>The Communications Security (COMSEC) Modification program provides for retrofit and modification of selected COMSEC equipment. The 1980s National Security Agency (NSA) production contract was called ELWELL (not an acronym), and the name is still used today to identify a family of COMSEC products to include KGR-62, KGT-62, KGR-61, and KGT-61. These products are ground station products which encrypt satellite command uplinks and decrypt satellite telemetry/mission data downlinks. FY05 funds will procure new ELWELL power supply modifications, which will extend the life cycle of the ELWELL units to support customer mission life cycle requirements and reduce maintenance costs. Development funding for this program is in Program Element 33140.</p> <p>Items requested in FY05 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

MODIFICATIONS (COMSEC)

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MODIFICATIONS (COMSEC)					{\$452}				{\$462}
ELWELL	A				\$452				\$462
TOTALS:					\$452				\$462

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE TRAINING EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,288	\$2,913	\$2,902	\$4,713	\$5,138	\$5,251	\$5,358
<p>Description:</p> <p>Intelligence Training Equipment funds procure equipment for military personnel to receive initial, intermediate, and advanced training in the General Intelligence and Cryptologic/Signals Intelligence (SIGINT) related career fields. General Intelligence Skills Training is comprised of all imagery, analysis, indications and warning, fusion, targeting, and weaponeering training. Cryptologic/SIGINT Skills and Related Training includes all communications (except communications security) and electronic intelligence as well as intelligence systems maintenance training. Major procurement items support functional training on new generation intelligence systems. No operational equipment is procured. The emphasis is on computer-based training systems that allow simulation of operational equipment functions through software manipulation. This equipment is essential for preparing intelligence personnel to support war-fighting commanders. The equipment is located at Goodfellow AFB, TX where intelligence training is conducted. These systems support Air Force responsible training authority and executive agency training for the DoD and all Services.</p> <p>GOODFELLOW INTELLIGENCE TRAINING ARCHITECTURE (GITA) UPGRADE: The Goodfellow Intelligence Training System (ITS) Infrastructure name changed to GITA. GITA upgrade encompasses technical refresh for ITS and other legacy intelligence training equipment that currently supports intelligence training operations at Goodfellow Air Force Base. GITA upgrade also consolidates all intelligence training equipment into an integrated Enterprise Architecture. FY05 funds procure infrastructure upgrades for the intelligence training systems that support Air Force Specialty granting initial skills training courses and advanced skills training courses. This funding is needed for the lifecycle procurement of replacement servers, workstations, switches, and printers on the training networks at Goodfellow Air Force Base. These funds also support the development of the Enterprise Architecture, which consolidates multiple networks and systems into an integrated Intelligence Training Architecture (ITA). All current intelligence training equipment, including ITA and other legacy intelligence training systems will be incorporated within GITA. FY05 funds also procure replacement hardware for modernizing interactive courseware (ICW) development labs, lifecycle procurement of exercise workstations and related equipment, and servers/equipment</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: INTELLIGENCE TRAINING EQUIPMENT			
Description 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 FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: INTELLIGENCE TRAINING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GOODFELLOW ITS UPGRADE	A				\$1,288		\$2,913		\$2,902
TOTALS:					\$1,288		\$2,913		\$2,902

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE TRAINING EQUIPMENT						
ITEM / 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	
GOODFELLOW ITS UPGRADE										
FY2003(1)			AFMC/ESC	C/FFP	MULTIPLE	Mar-03	Apr-03			
FY2004			AFMC/ESC	C/FFP	UNKNOWN	Mar-04	Apr-04	No	Feb-04	
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Mar-05	Apr-05	No	Feb-05	
Remarks:										
(1) Contractors for FY03 include: Dell Marketing, Round Rock, TX; Applied Computer Systems (ACS) Inc., Johnstown, OH; Micro Resources, Manassas, VA; and Intelligence Enterprise Solutions, Bethesda, MD										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$24,978	\$18,545	\$1,695	\$1,717	\$1,755	\$6,830	\$6,961
<p>Description:</p> <p>The Intelligence Communications Equipment program procures various communications equipment required to disseminate intelligence information to the warfighter across the spectrum of Air Force (AF) intelligence, surveillance, and reconnaissance (ISR) mission areas.</p> <p>1. JOINT TACTICAL TERMINAL/COMMON INTEGRATED BROADCAST SERVICE MODULES (JTT/CIBS-M): JTT is a member of the Congressionally-mandated family of terminals delivering CIBS-M capability. The JTT/CIBS-M must meet all requirements stated in the JTT Joint Operational Requirements Document (JORD).</p> <p style="margin-left: 20px;">A. JTT/CIBS-M UNITS: No FY05 funds are requested.</p> <p style="margin-left: 20px;">B. CRYPTO DEVICES: No FY05 funds are requested.</p> <p>2. AIR FORCE TACTICAL EXPLOITATION OF NATIONAL CAPABILITIES (AF TENCAP): This program was established by Congressional mandate to improve AF tactical warfighting operations through effective use of national space system resources. It accomplishes this through three specific endeavors: a) rapid-prototyping of new and unique methods with potential for improving tactical warfighting operations, then exploiting the true utility of the prototyped methods through one-to-two year demonstrations; b) influencing the design and operation of future space systems for tactical applications through close involvement with those government agencies and commercial companies who design, build, and operate US space systems; and c) developing and implementing educational and training programs that inform Combat Air Forces (CAFs) how to use and benefit from available space-based resources. FY05 funding continues equipment procurement in support of AF TENCAP initiatives. Development funding for AF TENCAP is in Program Element 27247F.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT			
Description 3. SPACE WARFARE CENTER (SWC): The SWC, located at Shriever AFB, CO, develops, evaluates, and tests space application and utility concepts, new technologies, and tactics that enable Combat AF Warfighters to realize the full potential of existing and planned assets to provide space capabilities to Effects Based Operations (EBO). FY05 funding continues procurement program supporting Tech Refresh of high-speed computer network for Distributed Mission Operations-Space (DMO-S), primary DoD Air & Space Fusion Center systems, and server capability supporting AFSPC AEF training of deploying space augmentation members to forward Air and Space Operations Centers (AOCs). Development funding for SWC is in Program Element 35147F. 4. AIR NATIONAL GUARD (ANG): Jumbo Digital Transit Cased System received \$12.4 million as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sep 03. No FY05 funding requested. 5. EAGLE VISION: In FY04, Eagle Vision received \$5 million as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sep 03. No FY05 funding requested. 6. AIR FORCE SPACE COMMAND (AFSPC) SPACE ANALYSIS: AFSPC Space Analysis advances Air Force, joint and combined space warfare through innovation, testing, integration, tactics development, education, and training. FY05 funding continues procurement program supporting space analysis tool capabilities and development of AF Space Analysis Virtual Analysis Systems used for modeling and simulation support to all space mission areas; such as, space research/analysis, launch collision avoidance science and technology projects, and space capabilities fielded to warfighters. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
JOINT TACTICAL TERMINAL/COMMON INTEGRATED BROADCAST SERVICE MODULES (JTT/CIBS-M)					{5,673}				
JTT/CIBS-M UNITS	A				\$5,243				
CRYPTO DEVICES	A				\$430				
AF TENCAP	A				\$184		\$193		\$196
SPACE WARFARE CTR (SWC)	A				\$707		\$1,478		\$776
ANG TACTICAL CRYPTOLOGIC SPT	A				\$914		\$11,911		
EAGLE VISION	A				\$17,500		\$4,963		
AFSPC SPACE ANALYSIS	A								\$723

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TOTALS:					\$24,978		\$18,545		\$1,695

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
JOINT TACTICAL TERMINAL/COMMON INTEGRATED BROADCAST SERVICE MODULES (JTT/CIBS-M)										
JTT/CIBS-M UNITS(1)										
FY2003			AFMC/ESC	MIPR/FFP	ARMY/CECOM, RAYTHEON/ST. PETERSBURG, FL	Oct-02	Apr-04			
CRYPTO DEVICES										
FY2003			AFMC/ESC	MIPR/FFP	ARMY/CECOM, RAYTHEON/ST. PETERSBURG, FL	Feb-03	Aug-05			
AF TENCAP(1)										
FY2003			HQ AFSPC	DO/FP	INFORMATION TECH & APPLICATIONS CORP/COLORADO SPRINGS, CO	Jan-03	Jun-03			
FY2004			HQ AFSPC	DO/FP	INFORMATION TECH & APPLICATIONS CORP/COLORADO SPRINGS, CO	Apr-04	Sep-04	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT						
ITEM / 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			HQ AFSPC	DO/FP	INFORMATION TECH & APPLICATIONS CORP/COLORADO SPRINGS, CO	Apr-05	Sep-05	Yes		
SPACE WARFARE CTR (SWC)(1)										
FY2003			HQ AFSPC	DO/FP	BTG/COLORADO SPRINGS, CO	Jan-03	Apr-03			
FY2004			HQ AFSPC	DO/FP	BTG/COLORADO SPRINGS, CO	Jan-04	Apr-04			
FY2005			HQ AFSPC	DO/FP	BTG/COLORADO SPRINGS, CO	Jan-05	Apr-05	Yes		
ANG TACTICAL CRYPTOLOGIC SPT(1)										
FY2003			AFMC/WR-ALC	DO/FFP	RAYTHEON SYS/FALLS CHURCH, VA	Nov-02	Jul-03			
FY2004			AFMC/WR-ALC	DO/FFP	RATHEON SYS/GARRLAND, TX	Mar-04	Aug-04			
EAGLE VISION										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: INTELLIGENCE COMMUNICATIONS EQUIPMENT						
ITEM / 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	
FY2003			AFMC/ESC	MIPR/FFP	MULTIPLE (2)	Jul-03	Aug-03			
FY2004			AFMC/ESC	MIPR/FFP	MULTIPLE (2)	Jul-04	Aug-04	Yes		
AFSPC SPACE ANALYSIS										
FY2005			HQ AFSPC	DO/FP	UNKNOWN	Jan-05	May-05	No	Sep-04	
Remarks:										
<p>(1) Quantity/unit costs vary because of different types/configurations of equipment being procured.</p> <p>(2) MIPRS go to Electronics Systems Command (ESC)/SR, Hanscom Air Force Base, MA; ESC/ACU, Eglin Air Force Base, FL; GSA/ITSolutions, Philadelphia, PA; and Comptroller USAF. Various contract methods and types of contracts will be used in support of Eagle Vision. EADS, Velizy, FR; ERIM International, Inc., Ann Arbor, MI; and others as yet unknown. Award/delivery date reflects date of first award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: ATCALs				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$46,068	\$62,342	\$2,949	\$3,399	\$964	\$968	\$968
<p>Description:</p> <p>Air Traffic Control and Landings Systems (ATCALs) procures and supports fixed-base and tactical radar, navigational aids, voice communications (radio and telephone), 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. The weapon system includes operational equipment, training systems for air traffic controllers, and equipment required to interface USAF systems with systems operated and maintained by other services, the Federal Aviation Administration (FAA), or host-nations. Development funding for this program is in PE 35114F.</p> <p>1. AIR TRAFFIC CONTROL OPERATIONS (ATC OPS): ATC operations provide for replacement and modernization of legacy ATC navigation and landing systems, voice communications, data processing/automation capabilities, and ancillary equipment.</p> <p style="padding-left: 20px;">a. INSTRUMENT LANDING SYSTEM (ILS): The ILS consists of two subsystems, a "localizer" that provides runway alignment information and a "glideslope" to provide vertical descent angle information. ILS provides horizontal and vertical guidance to allow aircraft to make a precision approach to a runway in inclement weather. The current operational ILS systems are approaching the end of their intended life cycle. FY05 funds will procure and install 3 ILS systems at key AF locations.</p> <p style="padding-left: 20px;">b. RHEIN-MAIN TRANSFER PROGRAM: No FY 05 funding is requested.</p> <p style="padding-left: 20px;">c. RICKENBACKER INSTRUMENT LANDING SYSTEM (ILS): No FY05 funding is requested.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: ATCAL5			
Description 2. TOWER SIMULATION SYSTEM (TSS): No FY 05 funding is requested. 3. MOBILE APPROACH CONTROL SYSTEM (MACS): No FY05 Funds requested. 4. AIR FORCE TERMINAL INSTRUMENT PROCEDURES - REPLACEMENT (AFTERPS-R) SOFTWARE LICENSES: No FY05 funding is requested. Items requested in FY05 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.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: ATCAL5								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AIR TRAFFIC CONTROL OPERATIONS							(\$11,551)			(\$2,509)			(\$2,949)
INSTRUMENT LANDING SYSTEM	A						\$9,589			\$1,926			\$2,949
RHEIN-MAIN TRANSFER PROGRAM	A									\$583			
RICKENBACKER ILS	A						\$1,962						
TOWER SIMULATION SYSTEM	A						\$28,111			\$20,124			
MOBILE APPROACH CONTROL SYSTEM										\$39,709			
AFTERPS-R SOFTWARE LICENSES							\$6,406						

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: ATCAL5									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
TOTALS:							\$46,068			\$62,342			\$2,949	
Remarks: Total Cost information is in thousands of dollars.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: ATCAL5						
ITEM / 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 SYSTEM										
FY2003(1)			AFMC/ASC	C/FFP W/OPT	SAIC/SAN DIEGO, CA	Jan-03	Jan-04			
FY2004(1)			AFMC/ASC	OPT/FFP	SAIC/SAN DIEGO, CA	Jan-04	Jan-05			
FY2005(1)			AFMC/ASC	OPT/FFP	SAIC/SAN DIEGO, CA	Jan-05	Jan-06	Yes		
RHEIN-MAIN TRANSFER PROGRAM										
FY2004			HQ USAFE	PO/FP	THALES ATM, INC., KS	Mar-04	Dec-04	Yes		
RICKENBACKER ILS										
FY2003			ANGRC	C/FFP	THALES ATM, INC., KS	Aug-03	May-04			
TOWER SIMULATION SYSTEM										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: ATCAL5						
ITEM / 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	
FY2003(1)			AFMC/ASC	C/FFP W/OPT	ADACEL GRAND PRAIRE/TX	Dec-02	Jun-03			
FY2004(1)			AFMC/ASC	OPT/FFP	ADACEL GRAND PRAIRE/TX	Dec-03	Jun-04			
Remarks: (1) Award/delivery dates reflect date of first award and delivery.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$33,858	\$27,896	\$44,354	\$51,577	\$58,453	\$59,703	\$60,921
<p>Description:</p> <p>The National Airspace System (NAS) program will modernize the Department of Defense (DoD) Air Traffic Control (ATC) system in conjunction with the Federal Aviation Administration (FAA) modernization effort. NAS will increase safety of flight, provide systems and facilities interoperable with FAA modernization, replace aging DoD ATC systems, provide identical service to military and civilian aircraft, reduce DoD flight cancellations/delays, and reduce maintenance. Equipment procured includes fixed site approach control, control towers, airfield automation systems, radar, voice switches, associated Pre-Planned Product Improvement (P3I), site preparation, installation support, ancillary equipment and supplies, and direct production support. Use of Non-Developmental Items (NDI) is maximized. 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, DoD must remain operationally compatible to continue to provide service to military and civilian users who depend on DoD's ATC services. NAS received \$2.4 million as a Congressional Add in the Appropriation Conference Report 108-283, dated 24 Sep 03.</p> <p>The Air Force is the lead service for the NAS program. NAS will modernize 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 non-standard communications and automation equipment through separate contracts. Of the 92 DoD sites, 44 constitute AF sites requiring AF funding.</p> <p>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 controller 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. FY05 funds procure and install 9 DAAS systems at key AF locations.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM			
Description					
<p>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. FY05 funds procure and install 3 DASRs at key AF locations.</p> <p>3. VOICE COMMUNICATIONS SWITCHING SYSTEM (VCSS): No FY05 funding is requested.</p> <p>4. AIRFIELD AUTOMATION SYSTEM (AFAS): AFAS is comprised of equipment tailored to display and control airfield support systems, including airfield lighting, meteorological instruments, and interfaces to air route traffic control center flight data. AFAS provides consolidated, re-configurable displays and controls at each operator position in air traffic control facilities. AFAS replaces current, disparate, single-location displays and controls of airfield support systems. FY05 funds procure and install 25 AFASs at key AF locations.</p> <p>Items requested in FY05 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>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
NATIONAL AIRSPACE SYSTEM (1)														
DOD ADVANCED AUTOMATION SYSTEM														
DAAS	A					\$900,833	\$5,405		3,961,000	\$15,844		1,187,889	\$10,691	
DIGITAL AIRPORT SURVEILLANCE RADAR														
DASR PRIME MISSION EQUIPMENT	A					3,334,000	\$6,668					2,040,000	\$6,120	
PROGRAM MANAGEMENT ADMIN (1)							\$11,643			\$4,761			\$8,560	
SITE ACTIVATION (1)							\$6,986			\$2,856			\$13,896	
VOICE COMMUNICATIONS SWITCHING SYSTEM														
VCSS	A					\$225,428	\$3,156		\$887,000	\$4,435				
AIRFIELD AUTOMATION SYSTEM														

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
AFAS	A												\$203,480	\$5,087
TOTALS:							\$33,858			\$27,896				\$44,354
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Because NAS equipment is installed as a system, the PMA and site activation costs include that for the DAAS, DASR, and VCSS inclusive.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
NATIONAL AIRSPACE SYSTEM										
DOD ADVANCED AUTOMATION SYSTEM										
DAAS										
FY2003(2)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./MARLBORO, MA	Jan-03	Oct-03			
FY2004(2)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./MARLBORO, MA	May-04	Oct-04	Yes		
FY2005(2)			AFMC/HSC	OPT/FFP	RAYTHEON CORP./MARLBORO, MA	Jan-05	Oct-05	Yes		
DIGITAL AIRPORT SURVEILLANCE RADAR										
DASR PRIME MISSION EQUIPMENT										
FY2003(3)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./MARLBORO, MA	Mar-03	Aug-04			
FY2005(3)			AFMC/ESC	OPT/FFP	RAYTHEON CORP./MARLBORO, MA	Dec-04	May-05	Yes		
VOICE COMMUNICATIONS SWITCHING SYSTEM										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM						
ITEM / 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	
VCSS										
FY2003(4)			AFMC/ESC	OPT/FFP	NORTHROP-GRUMMAN DENRO/GAITHERSBURG, MD	Jan-03	Jul-03			
FY2004(4)			AFMC/ESC	OPT/FFP	NORTHROP-GRUMMAN DENRO/GAITHERSBURG, MD	Feb-04	Jul-04			
AIRFIELD AUTOMATION SYSTEM										
AFAS										
FY2005			AFMC/ESC	MIPR/FFP	GSA/UNKNOWN	Jan-05	Jan-06	No	Aug-04	
<p>Remarks:</p> <p>(1) System equipment quantity and configurations are tailored to meet specific site requirements. The result is varying unit costs in all systems.</p> <p>(2) Option to the FAA Standard Terminal Automated Replacement System contract awarded in September 1996.</p> <p>(3) Option to the Air Force Digital Airport Surveillance Radar contract awarded in August 1996.</p> <p>(4) Option to the FAA Enhanced Terminal Voice Switch contract awarded in July 1995</p> <p>(5) Contractors include, but not limited to: MITRE, Bedford, MA; OASIS, Bedford, MA; P3I, Hopkinton, MA; ACS DEFENSE, Burlington, MA;</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NATIONAL AIRSPACE SYSTEM						
ITEM / 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	
WINDMILL, Nashua, NH; and MCR FEDERAL, McLean, VA (6) Contractors include, but not limited to: DENRO, Gaithersburg, MD and RAYTHEON, Marlboro, MA										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$24,562	\$114,627	\$67,471	\$92,321	\$93,248	\$70,759	\$71,282
<p>Description:</p> <p>The Theater Air Control System Improvements (TACSI) program acquires state-of-the-art equipment and capabilities essential to the survival and combat effectiveness of tactical air command and control (C2). Collectively, they provide the flexibility, responsiveness, reliability and maintainability necessary for effective C2. TACSI provides funding for the procurement of the Battle Control System (BCS) Family of Systems (FOS). BCS is comprised of fixed Homeland Defense (HLD) BCS-Fixed (BCS-F) and mobile Theater Battle Management (TBM) C2 nodes BCS-Mobile (BCS-M). Additionally, TACSI provides funding for procurement of the Air Force Mission Support System (AFMSS) that provides unit level mission planning systems for pilots and supports all current/future aircraft and associated weapons.</p> <p>1. BATTLE CONTROL SYSTEM (BCS-M): The BCS-M, formerly known as Ground Theater Air Control System (GTACS), also known as Control and Reporting Center (CRC), and also referred to under PE Title "Modular Control System (MCS)," is a low density/high demand deployable ground C2 asset conducting both theater and homeland defense operations. The BCS-M strategy supports the modernization of the current CRC to become the Battle Control Center (BCC) with forward deployed Radar/Communications Cells (RCC). The CRC will continue to provide capability until all phases of BCS-M have been accomplished. The CRC provides the Joint Task Force (JTF)/Joint Force Air Component Commander (JFACC) with a deployable Theater Battle Management C2 capability. The CRC conducts worldwide C2 missions ranging from tactical-level operations supporting Continental United States (CONUS) homeland defense, military-operations-other-than-war, and peacetime contingencies, to projecting decisive force into one or more major regional conflicts in support of strategic war. The CRC deploys into a theater with its operations contingent located on or near a main operating base (MOB) with organic AN/TPS-75 deployed radars (DRs), Link 16-capable AN/TSC-147 Joint Tactical Information Distribution System (JTIDS) Modules, and secure ground-air-ground communications placed forward in-theater. In addition to the AN/TPS-75, the CRC must be capable of integrating sensors of opportunity (USAF, Joint, CONUS, Federal Aviation Administration (FAA), and host nation radars) that may be located within its assigned area of operations.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT		
Description a. BCS-M EVOLUTIONARY UPGRADES: The BCS-M activities include, but are not be limited to, Secure Voice Remote Radio, Remote Radar, Battle Control Center (BCC), Common Battle Management Software, and Sensor Replacement/Upgrade, transitioning Area Cruise Missile Defense (ACMD) Advanced Capabilities Technology Demonstration (ACTD) into BCS-M, leveraging capabilities from BCS-F and AWACS 40/45 (if feasible), and integrating evolutionary upgrades from legacy CRC into BCS-M. FY05 funding provides for continuing BCS-M evolutionary upgrades. Development funding for this program is in Program Element 12326F. b. CRC IMPROVEMENTS: CRC Improvements continue to provide both evolutionary upgrades and reliability and maintainability improvements to the AN/TYQ-23 Operations Modules (OMs), the AN/TPS-75 radar, and peripheral equipment through projects that include, but are not limited to, Operator Console Units (OCUs), Joint Range Extension, Service Life Extension (SLE), Radar Shelters, and the Gateway. FY05 funding provides for continuing CRC improvements. c. AN/TPS-75: No additional funding required. d. INTERIM CONTRACTOR SUPPORT (ICS): Provides Interim Contractor Support associated with the fielding of BCS-M Evolutionary Upgrades. FY05 funding provides for continuing ICS. 2. BATTLE CONTROL SYSTEM-FIXED (BCS-F): BCS-F, formerly known as Region/Sector Air Operations Center (R/SAOC), or Region Air Operations Center-Air Defense Sector (RAOC-ADS), is the fixed modernized RAOC-ADS for the Atmospheric Early Warning System (AEWS). The BCS-F Program will provide a modernized Command and Control, Communications, Computer and Intelligence (C4I) system with enhanced capability to integrate data from existing and future civil and military defense surveillance systems into a comprehensive recognized air picture to enhance North American Aerospace Defense/Combatant Commanders (NORAD/CCs) capability to conduct peacetime air sovereignty, and transition to conventional warfare in the event of aggression toward the North American Continent. The current system has reached saturation of its capability to receive, process, display, exchange, and				
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT			
Description employ air surveillance data from current sensor and communications systems. In some cases, the BCS-F's processing and displaying capacity has been exceeded, thus contributing to delays in the kill chain. The outdated technology has become increasingly difficult and costly to sustain and provides no opportunity for application enhancement. a. BCS-F: Provides an operational replacement for the RAOC-ADS System (AN/FYQ-93) including the AN/GSQ-235, ROCC - Airborne Warning and Control System (AWACS) Digital Information Link (RADIL), the AN/FYQ-155, Advanced Interface Control Unit (AICU), and the NORAD Contingency Suite (NCS). FY05 funding provides for continuing BCS-F. Development funding for this program is in Program Element 27412F. 3. AIR FORCE MISSION SUPPORT SYSTEM (AFMSS): 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, and imagery; prepare and calculate flight and weapons delivery planning data (e.g., maps, charts, imagery, flight logs, radar predictions, and navigation databases); and electronically transfer this information to the aircraft and weapons. These systems increase the combat effectiveness of Air Force (active duty, guard, and reserve forces) aircraft and weapons by increasing wartime sortie rates, supporting sophisticated avionics and precision/autonomous guided munitions, and providing the ability to analyze and defeat complex threats. The program procures Unix-based mission planning computers 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 of increasing capability to meet the continuum of peacetime, contingency, and wartime mission planning requirements. The AFMSS 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 the users' needs. These adjustments were made for the following technologically-driven reasons: the evolutionary nature of the AFMSS mission 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 and mix of Unix-based 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 the Air Force mission planners. Market surveys and analysis of COTS products support procurement decisions. Development funding for this program is in Program Element 28006F.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT			
Description a. UNIX-BASED MISSION PLANNING COMPUTER (UMPC): UMPC consists of a transportable, network-capable system integrated with AFMSS Mission Planning System (MPS) software to provide basic mission planning capability as well as mission planning for precision guided munitions, large data storage, and full interoperability with TBM systems. Additionally, color printers are included with the system to allow the user to produce charts and other mission-specific products. FY05 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, data transfer device, Personal Digital Assistants (PDAs) and tablet PCs. It consists of a portable, tailorable, network-capable system integrated with AFMSS Portable Flight Planning System (PFPS) software to provide basic mission planning capability, large data storage, and full interoperability with TBM systems. PMPCs can also 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 produce charts and other mission-specific products. FY05 funding procures these systems, associated hardware, warranties and software licenses. c. PROGRAM/ENGINEERING SUPPORT: FY05 funding continues program/engineering support for AFMSS. The Theater Air Control System improvement program received \$85,000,000 in the FY04 supplemental. Items requested in FY05 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.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		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)							(\$11,252)			(\$103,846)			(\$45,535)
BCS EVOLUTIONARY UPGRADES	A						\$2,852			\$12,293			\$34,905
CRC IMPROVEMENTS	A						\$8,400			\$6,617			\$10,240
INTERIM CONTRACTOR SUPPORT										\$80			\$390
EQUIPMENT REPLENISHMENT	A									\$84,856			
BATTLE CONTROL SYSTEM (BCS-F)													(\$8,010)
REPLACEMENT EQUIPMENT	A												\$8,010
AIR FORCE MISSION PLANNING SYSTEM (AFMSS)							(\$13,310)			(\$10,781)			(\$13,926)
UNIX-BASED MISSION PLANNING COMPUTER (UMPC)	A						\$3,731			\$811			\$1,748
PC-BASED MISSION PLANNING COMPUTER (PMPC)	A						\$8,096			\$7,649			\$10,183
PROGRAM/ENGINEERING SUPPORT							\$1,483			\$2,321			\$1,995

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
TOTALS:							\$24,562			\$114,627				\$67,471
Remarks: Total Cost information is in thousands of dollars.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT						
ITEM / 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 EVOLUTIONARY UPGRADES										
FY2003			AFMC/ESC	MIPR/OTH	NAVAL AIR WARFARE CENTER, PATUXENT RIVER/ST INIGOES, MD	Dec-02	Mar-03			
FY2004(2)			AFMC/ESC	OTH/OTH	MULTIPLE	Dec-03	Mar-04			
FY2005(2)			AFMC/ESC	OTH/OTH	MULTIPLE	Oct-04	Mar-05	Yes		
CRC IMPROVEMENTS										
FY2003			AFMC/OO-ALC	SS/FP	LITTON SYSTEMS, INC/WOODLAND HILLS, CA	Nov-03	Jan-04			
FY2004(2)			AFMC/OO-ALC	OTH/OTH	MULTIPLE	Mar-04	Jan-05			
FY2005(2)			AFMC/OO-ALC	OTH/OTH	MULTIPLE	Jun-05	Jun-06	Yes		
INTERIM CONTRACTOR SUPPORT										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT						
ITEM / 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	
FY2004			AFMC/ESC	MIPR/OTH	NAVAL AIR WARFARE CENTER, PATUXENT RIVER/ST INIGOES, MD	Oct-03	Oct-04			
FY2005(2)			AFMC/ESC	OTH/OTH	MULTIPLE	Oct-04	Oct-04	Yes		
EQUIPMENT REPLENISHMENT										
FY2004(2)			AFMC/ESC	OTH/OTH	MULTIPLE	Feb-04	Sep-04	Yes		
BATTLE CONTROL SYSTEM (BCS-F)										
REPLACEMENT EQUIPMENT										
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Apr-05	Jun-05	No	Mar-05	
AIR FORCE MISSION PLANNING SYSTEM (AFMSS)										
UNIX-BASED MISSION PLANNING COMPUTER (UMPC)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT						
ITEM / 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	
FY2003(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-02	Feb-03			
FY2004(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-03	Feb-04			
FY2005(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-04	Feb-05	Yes		
PC-BASED MISSION PLANNING COMPUTER (PMPC)										
FY2003(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-02	Feb-03			
FY2004(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-03	Feb-04			
FY2005(3)			AFMC/ESC	OPT/FFP	MULTIPLE	Nov-04	Feb-05	Yes		
Remarks:										
<p>(1) Quantity and unit cost vary because of different types/configuration of equipment being procured or equipment procured is site specific.</p> <p>(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; etc. Award/delivery dates reflect date of first award and delivery.</p> <p>(3) AFMSS components are procured as commercial-off-the-shelf equipment available through various contract sources, e.g. GSA, IDIQ contracts, blanket</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER AIR CONTROL SYSTEM IMPROVEMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>purchase agreements. Examples of contractors including Dell Corporation, Austin, TX; Rugged Portable System (RPS), Santa Ana, CA; Beyond Technology (BTG), Fairfax VA; Government Technology Services, Inc (GTSI), Chantilly VA; and Tracor Enterprise solutions, Reston, VA. Award/delivery dates reflect date of first award and devlivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$28,466	\$32,595	\$32,366	\$31,877	\$32,734	\$25,043	\$28,426
<p>Description:</p> <p>This is a continuing program for acquisition of meteorological and space environmental equipment supporting the global missions of the Air Force (AF), Army, Special Operations Forces, unified commands, and other government agencies. Fixed and transportable equipment will provide observing and forecasting capabilities at in-garrison and deployed locations for support of Air and Space Expeditionary Forces and Army forces worldwide. Weather system technological upgrades have emerged as critical for support of modern air combat operations. These systems enhance the lethality of Air Force weapon systems and precision munitions by accurately predicting weather to provide optimal targeting conditions and to ensure effective bomb damage assessment.</p> <p>Air Force Weather (AFW) programs are aligned under the five core capabilities of weather data collection, forecasting (funding strategy identified within Communications-Electronics Modifications), product tailoring/warfighter applications, weather data analysis, and dissemination as described in the AFW Mission Area Plan. 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 35111F, BPAC 672738, Weather Service.</p> <p>1. WEATHER DATA COLLECTION: Combines terrestrial and space weather sensors into an integrated meteorological sensing and instrumentation approach for battlefield and in-garrison operations. Components include the following components:</p> <p style="margin-left: 20px;">a. OBSERVING SYSTEM 21ST CENTURY (OS-21): Provides state-of-the-art life-cycle replacement through off-the-shelf acquisition for weather observing/sensor equipment approaching 20 years old. OS-21 includes five different configurations: fixed, deployable, remote, manual, and upper air. FY05 funding procures fixed, in-garrison weather observing/sensor systems.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST			
Description <p>b. DIGITAL IONOSPHERIC SOUNDER SYSTEM (DISS): Provides vertical incidence measurements of the ionosphere from 16 locations worldwide. Those measurements are used as model inputs for space weather forecast products supporting warfighter operations. FY05 funding begins procurement of commercially available systems.</p> <p>2. PRODUCT TAILORING/WARFIGHTER APPLICATIONS: 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 in-garrison and deployed locations. FY05 funding will deliver a software toolkit and associated hardware for use by CWTs at AF and Army locations in the Continental United States and overseas.</p> <p>3. WEATHER DATA ANALYSIS: Provides global-scale atmospheric data and forecast and analysis capabilities at the AFW Strategic Center to generate products required by AF and Army customers worldwide and implements weather data interfaces for Command and Control and mission planning systems. Other customers for global products include DoD and Department of Commerce agencies and the National Intelligence Community. FY05 funding procures computer hardware and associated integration software for database expansion and incorporation of new weather data from non-DoD satellite resources.</p> <p>4. WEATHER DATA DISSEMINATION: Provides for timely and reliable transmission of weather data and products to intermediate and end users through Web-based intra- and internets while ensuring data integrity and continuity of service. Ensures data formats and transmission protocols support the DoD Technical Reference Model (TRM) objectives for integration into the warfighter's Command and Control and mission planning and rehearsal systems. FY05 funding will procure commercial off-the-shelf computer hardware and software and associated communications equipment.</p> <p>Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
WEATHER OBSERVATION/FORECAST														
WEATHER DATA COLLECTION							{\$15,029}			{\$17,757}				{\$19,910}
OS-21							{\$15,029}			{\$17,757}				{\$15,780}
PRIME MISSION EQUIPMENT	A						\$12,139			\$14,370				\$12,046
SYSTEM ENGINEERING							\$2,890			\$3,387				\$3,734
DIGITAL IONOSPHERIC SOUNDER SYSTEM (DISS)														{\$4,130}
PRIME MISSION EQUIPMENT	A													\$3,730
SYSTEM ENGINEERING														\$400
PRODUCT TAILORING & WARFIGHTER APPLICATIONS							{\$7,417}			{\$5,515}				{\$4,023}
PRIME MISSION EQUIPMENT	A						\$5,966			\$4,765				\$3,093
SYSTEM ENGINEERING							\$1,451			\$750				\$930

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
WEATHER DATA ANALYSIS							(\$5,720)			(\$4,750)			(\$3,842)
PRIME MISSION EQUIPMENT	A						\$4,601			\$4,105			\$3,089
SYSTEM ENGINEERING							\$1,119			\$645			\$753
WEATHER DATA DISSEMINATION							(\$300)			(\$4,573)			(\$4,591)
PRIME MISSION EQUIPMENT	A						\$300			\$4,573			\$4,591
TOTALS:							\$28,466			\$32,595			\$32,366

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
WEATHER OBSERVATION/FORECAST										
WEATHER DATA COLLECTION										
OS-21										
PRIME MISSION EQUIPMENT(1)										
FY2003(2)			AFMC/ESC	C/IDIQ	COASTAL ENVIRONMENTAL SYSTEMS/SEATTLE, WA	Nov-02	Feb-03			
FY2004(2)			AFMC/ESC	OPT/IDIQ	COASTAL ENVIRONMENTAL SYSTEMS/SEATTLE, WA	Nov-03	Feb-04			
FY2005(2)			AFMC/ESC	OPT/IDIQ	COASTAL ENVIRONMENTAL SYSTEMS/SEATTLE, WA	Nov-04	Feb-05	Yes		
DIGITAL IONOSPHERIC SOUNDER SYSTEM (DISS)										
PRIME MISSION EQUIPMENT(1)										
FY2005			AFSPC/SMC	C/FFP	UNKNOWN	Jan-05	Jun-05	Yes		
PRODUCT TAILORING & WARFIGHTER APPLICATIONS										
PRIME MISSION EQUIPMENT(1)										
FY2003(3)			AFMC/ESC	OPT/OTH	MULTIPLE	Nov-02	Feb-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST						
ITEM / 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	
FY2004(4)			AFMC/ESC	C/FFP	UNKNOWN	Jun-04	Sep-05	Yes		
FY2005(4)			AFMC/ESC	OPT/FFP	UNKNOWN	Oct-04	Sep-05	Yes		
WEATHER DATA ANALYSIS										
PRIME MISSION EQUIPMENT(1)										
FY2003(5)			AFMC/ESC	C/CPFF	RAYTHEON TECHNICAL SERVICES/BELLEVUE, NE	Mar-03	Jul-03			
FY2004(6)			AFMC/ESC	C/CPFF	UNKNOWN	Mar-04	Jun-04	Yes		
FY2005(7)			AFMC/ESC	OPT/CPFF	UNKNOWN	Jan-05	Jun-05	Yes		
WEATHER DATA DISSEMINATION										
PRIME MISSION EQUIPMENT(1)										
FY2003			HQ AFWA	MIPR/FP	GSA/KANSAS CITY, MO	Mar-03	Sep-03			
FY2004(8)			HQ AFWA	C/FP	UNKNOWN	Jan-04	Jun-04			
FY2005(8)			HQ AFWA	C/FP	UNKNOWN	Dec-04	Jun-05	Yes		
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: WEATHER OBSERVATION/FORECAST						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) Quantity and unit cost vary due to site specific configurations.</p> <p>(2) Initial contract was awarded to Coastal Environmental Systems, Seattle, WA, in Nov 01.</p> <p>(3) Multiple contractors: Raytheon, Fullerton, CA, and Information Technology Contract with General Dynamics through GSA Kansas City, MO.</p> <p>(4) PTWA contract will be competed beginning in FY04. Acquisition strategy calls for a down-select to two vendors in June 04 followed by a "fly-off" to be completed NLT September 05.</p> <p>(5) Selection through pre-competed Advanced Technology Support Program (ATSP II), Defense Micro Electronics Activity (DMEA) contract vehicle.</p> <p>(6) New competitive contract will be awarded for WDA.</p> <p>(7) Option year on contract to be awarded in FY04.</p> <p>(8) Contracts will be awarded for Commercial-Off-The-Shelf equipment to multiple vendors by 55th Contracting Squadron, Offutt AFB, NE.</p> <p>(9) Time & Materials contract executed by AFMC/ESC through GSA.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$23,529	\$45,374	\$49,300	\$39,044	\$35,328	\$39,356	\$43,778
<p>Description:</p> <p>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 command and control 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. Additionally, the program supports life-cycle replacement of outdated and unreliable communications equipment in support of the B-2 Program. Funding increases reflect higher priority placed on improved, survivable strategic communications.</p> <p>1. NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES): NPES is the single, survivable national command and control (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 AF is the lead service. This funding covers test, fixed command center and mobile platforms. FY05 funding will procure NPES Spooler and NUDET Detection System test, and operational hardware suites.</p> <p>2. MOBILE CONSOLIDATED COMMAND CENTER (MCCC): The United States Strategic Command (USSTRATCOM) Mobile Consolidated Command Center (MCCC), Offutt Air Force Base (AFB), NE, provides contingency communications capable of accomplishing all Combatant Command C2, reconstitution, and continuity of operations missions in the event primary C2 facilities are incapacitated. FY05 funding will: complete the transition of the Defense Satellite Communications System (DSCS) vans from US Northern Command (NORTHCOM), to include procurement of a Frequency Division Multiple Access (FDMA) enhancement; complete the upgrade of the enhanced message distribution system; provide initial procurement of Mobile DIRECT (SIOP support components); complete the procurement of the updated mobile power system; provide initial procurement of the Advanced Extreme High Frequency SATCOM terminal; finalize procurement of enhanced wideband communication capability; life cycle updates for the Data Distribution System</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL			
Description (DDS) multi-domain secure network. 3. C2 MODERNIZATION: USSTRATCOM's C2 Modernization is a program for employing a set of underlying information services, technologies, and tools that enable the Commander, United States Strategic Command (CDR USSTRATCOM) to achieve the broad operational warfighting capabilities described in Joint Vision 2020 and further dictated by the Unified Command Plan 1 and 2. This is a spiral development effort with a collection of distributed databases and applications, integrated through a grid of supporting services. C2 Modernization provides the hardware to acquire, process, and deliver information, as needed, to enhance decision-making. FY05 begins the purchasing of equipment for the Enterprise Work Station (EWS) Module supporting the Command Center (CC). EWS Modules are compilations of command and control equipment in various locations outside the CC proper that process and feed information into the CC for the decision makers. The supporting audio, video distribution, and display capability will be consistent with Knowledge Wall Environment (KWE) concepts developed jointly with USPACOM under CINC21 Advanced Concept Technology Demonstration (ACTD), and refined during the fielding of the Commander's Situation Room in FY04. FY05 will also provide VTC upgrades in the Commander's Situation Room. Major capability enhancements in decision support will be provided through the use of Defense Strategic Integrated Decision Environment (D-SIDE) products. 4. STRATEGIC WAR PLANNING SYSTEM (SWPS): The mission of USSTRATCOM is to establish and provide full-spectrum global strike, 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. To enable USSTRATCOM to carry out its mission, SWPS infrastructure capabilities develop, verify, and produce Operational Plan (OPLAN) 8044 and CONPLAN 8022, Theater Support Planning Documents, new Unified Command Plan (UCP) taskings, and related products. To support its mission objectives, SWPS includes automatic 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 replacement for SWPS. SWPS 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 crews' strike mission data in digital and hard copy formats. USSTRATCOM developed a hardware six-year life-cycle replacement plan to replace servers, storage devices, workstations, PCs, and network upgrades over multiple years.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL			
Description <p>This life-cycle replacement plan eliminates the peaks and valleys to better utilize existing manpower to install and configure the replacement hardware, providing an incremental and efficient life-cycle replacement of critical infrastructure components. FY05 funding:</p> <ul style="list-style-type: none">- Continues the procurement of application servers, storage area network (SAN), high availability storage arrays, and the backup and recovery replacement project.- Completes personal computer (PC) and peripheral hardware life-cycle refreshment.- Continues the life-cycle workstation (UNIX platform) replacement project.- Begins life-cycle refreshment of Government Furnished Equipment (GFE) at application contractor sites, which will include workstations, PCs, and servers.- Begins initial replacement of GFE to support the SWPS strategic modernization contractor. This will include workstations, PCs, servers, storage devices, networking infrastructure, and other peripherals. <p>5. MISSILE ANALYSIS AND REPORTING SYSTEM (MARS) STRATCOM UNIQUE SUBSYSTEM: The USSTRATCOM Command Center Processing and Display System-Replacement (CCPDS-R) Unique Subsystem is the only automated system to provide time-critical Strategic Force Management and Force Survivability information that includes force status, Time to Impact, and Positive Control to Launch advisories. This information supports the President, Secretary of Defense, Joint Staff, and nuclear Commanders in the initial phase of a theater or strategic/nuclear conflict. This unique subsystem requires replacement in order to interface with the new Missile Analysis and Reporting System (MARS) that will replace CCPDS-R in FY05. The new Strategic Threat Analysis and Reporting System (STARS) requirement includes a development suite for creating and maintaining the application, a test suite, a scenario-generation system for training and operator proficiency, and a Command Center operational suite. The test suite will serve as back up for the operational system. FY05 funding will purchase the development suite hardware and software and the test suite for software development testing, Formal Qualification Testing (FQT), and operator training. FY05 funds purchase the scenario generation system hardware and software. This system will allow USSTRATCOM to isolate itself and engage in a warfighting scenario simulating the entire Integrated Tactical Warning/Attack Assessment network (ITW/AA). FY05 funding will complete the scenario generation system purchase and the entire Command Center operational suite. The test suite will serve as back up for the operational system.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL			
Description					
6. B-2 SUPPORT: The B-2 weapon system relies heavily on C2 equipment to meet its operational capability. These funds support the following B-2 dedicated systems:					
a. ENGINEERING DATA SYSTEMS (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, which are integral to strategic C2. Locations with EDS computers include: Langley AFB, VA; Whiteman AFB, MO; Wright-Patterson AFB, OH; Oklahoma City Air Logistics Center, OK; and Northrop Grumman Corp in CA. FY05 funds continue procurement and installation of 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, OK, provides software support and maintenance for the 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. FY05 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.					
Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES)	A				\$160		\$3,660		\$1,470
MOBILE CONSOLIDATED COMMAND CENTER (MCCC)	A				\$5,514		\$12,402		\$9,961
C2 MODERNIZATION	A				\$1,920		\$9,749		\$13,864
STRATEGIC WAR PLANNING SYSTEM (SWPS)	A				\$8,405		\$11,070		\$15,361
STRATEGIC THREAT ANALYSIS AND REPORTING SYSTEM (STARS) STRATCOM UNIQUE SUBSYSTEM	A						\$1,000		\$1,000
B-2 SUPPORT					{\$7,530}		{\$7,493}		{\$7,644}
ENGINEERING DATA SYSTEMS (EDS)	A				\$3,749		\$1,706		\$1,574
WEAPON SYSTEM SUPPORT CENTER (WSSC)	A				\$3,781		\$5,787		\$6,070

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TOTALS:					\$23,529		\$45,374		\$49,300

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL						
ITEM / 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)(1-4)										
FY2003(1-2)			USSTRATCOM	C/FP	MULTIPLE	Nov-02	Jan-03			
FY2004(1-2)			USSTRATCOM	C/FP	MULTIPLE	Nov-03	Jan-04			
FY2005(1-2)			USSTRATCOM	C/FP	UNKNOWN	Nov-04	Jan-05	Yes		
MOBILE CONSOLIDATED COMMAND CENTER (MCCC)										
FY2003(1,3)			AFMC/ESC	OPT (3)/CPAF	LOCKHEED MARTIN/ALBUQUERQUE, NM	Oct-02	Jan-03			
FY2004(1,3)			AFMC/ESC	OPT (3)/CPAF	LOCKHEED MARTIN/ALBUQUERQUE, NM	Oct-03	Jan-04			
FY2005(1,3)			AFMC/ESC	OPT (3)/CPAF	LOCKHEED MARTIN/ALBUQUERQUE, NM	Oct-04	Jan-05	Yes		
C2 MODERNIZATION										
FY2003(1-2)			USSTRATCOM	C/FP	MULTIPLE	Jan-03	Feb-03			
FY2004(1-2)			USSTRATCOM	C/FP	MULTIPLE	Jan-04	Feb-04			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL						
ITEM / 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)			USSTRATCOM	C/FP	UNKNOWN	Jan-05	Feb-05	Yes		
STRATEGIC WAR PLANNING SYSTEM (SWPS)										
FY2003(1-2)			USSTRATCOM	C/FP	MULTIPLE	Jan-03	Feb-03			
FY2004(1-2)			USSTRATCOM	C/FP	MULTIPLE	Jan-04	Feb-04			
FY2005(1-2)			USSTRATCOM	C/FP	UNKNOWN	Jan-05	Feb-05	No	Dec-04	
STRATEGIC THREAT ANALYSIS AND REPORTING SYSTEM (STARS) STRATCOM UNIQUE SUBSYSTEM										
FY2004			USSTRATCOM	C/FFP	MULTIPLE	Jan-04	Feb-04			
FY2005			USSTRATCOM	C/FFP	UNKNOWN	Jan-05	Feb-05	No	Dec-04	
B-2 SUPPORT										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL						
ITEM / 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	
ENGINEERING DATA SYSTEMS (EDS)										
FY2003(1,4)			AFMC/OC-ALC	C/FP	MULTIPLE	Mar-03	Apr-03			
FY2004(1,4)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-04	Apr-04	Yes		
FY2005(1,4)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-05	Apr-05	Yes		
WEAPON SYSTEM SUPPORT CENTER (WSSC)										
FY2003(1,4)			AFMC/OC-ALC	C/FP	MULTIPLE	Mar-03	Jul-03			
FY2004(1,4)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-04	Jul-04	Yes		
FY2005(1,4)			AFMC/OC-ALC	C/FP	UNKNOWN	Mar-05	Jul-05	Yes		
Remarks:										
<p>(1) Varying unit costs and quantities due to multiple types of equipment being procured.</p> <p>(2) 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 are the date of first contract award and delivery.</p> <p>(3) Lockheed Martin contract first awarded Feb 1, 2000.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: STRATEGIC COMMAND AND CONTROL						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(4) 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 are the date of first contract award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,272	\$20,460	\$17,672	\$20,917	\$13,677	\$17,560	\$13,017
<p>Description:</p> <p>This program supports acquisition for 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 (AFSPC) with communications and computer equipment for the Defense Message System and Base Network Control Center, US Northern Command (NORTHCOM) Mobile Consolidated Command Center and the Cheyenne Mountain Training System.</p> <ol style="list-style-type: none"> 1. COMBATANT COMMANDER MOBILE CONSOLIDATED COMMAND CENTERS (MCCCs): No FY05 funds requested. 2. NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT (NMC-TW/AA) SYSTEMS: HQ AFSPC approved an update to the Integrated Master Evolutionary Plan (IMEP) to better manage configuration control of legacy mission systems and spiral Combatant Commanders' Integrated Command and Control System (CCIC2S) hardware and software migration capabilities. FY05 funding procures CCIC2S hardware and associated software equipment for Cheyenne Mountain operating locations, to include remote interfacing sites essential for executing US Strategic Command (USSTRATCOM) and NORAD missions exercised from the Cheyenne Mountain Operations Center (CMOC) and forward operating locations. (Reference the Research, Development, Test, and Evaluation (RDT&E) Budget Justification Exhibits for Program Element (PE) 35906F). <ol style="list-style-type: none"> a. CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE: Provides the Information Technology (IT) foundation that CCIC2S resides on. This includes the development of: system operations, communications, networks, C2 services, workstations, databases, and security. Core C2 infrastructure is singularly integral to data exchange and interoperability among developing mission domains. FY05 funds will procure Communications Processing System 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX			
Description <p>(CPS) equipment, to include servers, client workstations, installations and upgrades. FY05 funds will also continue procuring Core C2 enterprise capabilities in support of missile warning and space missions.</p> <p>b. INTERACTIVE TRAINING SYSTEM (IATS) AND SCENARIO SERVICES: IATS has been developed as a learning management tool to provide users access to training curriculums and training records. IATS will support training in C2 operations systems and maintenance, and includes other instructional media elements as required by the CCIC2S missions (such as interactive web-based training (WBT), training support help desk, and electronic manuals, following the Advanced Distributed Learning (ADL) standard). FY05 funds will update IATS for Missile Warning and any updates for Air Defense. Scenario Services will provide scenario generation and injection capabilities for the CCIC2S program, mirroring the migrating CCIC2S operational environment as realistically as possible to provide high fidelity, repeatable scenario capabilities to all primary ISC2 missions (e.g., air defense, missile warning, space, etc). An additional set of Scenario Services tools will replace the Scenario Control/Scenario Generator (SC/SG) at Cheyenne Mountain Training System (CMTS). FY05 funds for Scenario Services will update the current scenario capability to support Missile Warning, required updates to Air Defense, as needed, and updates to CMTS.</p> <p>c. MISSILE ANALYSIS AND REPORTING SYSTEM (MARS): FY05 funds will procure equipment and software for MARS, which consists of a single architecture that provides both strategic and theater missile warning capabilities. The MARS project will deliver enhanced missile warning functionality by providing improved situational awareness, more timely and accurate assessments and will evolve to provide multi-source data correlation. This integrated approach to achieving a single integrated missile warning capability will extend from sensor to decision-maker, and will result in great efficiencies in assessments during peace or crisis operations. MARS will provide inclusion of Space-Based Infrared Sensor (SBIRS) Standard Survivable Message Set (SSMS) 2 messages, which will provide a more accurate infrared picture.</p> <p>d. SPACE SURVEILLANCE: FY05 funds will be used to purchase initial space surveillance capability designed to support high accuracy catalog maintenance and products for a future expanded Resident Space Object catalog.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX			
Description e. SPACE DEFENSE: FY05 funds will procure equipment for Space Defense/Space Control capability and space Battle Management Core System (SBMCS) continuation. This system provides initial space common operating picture, enhancements to mission capability reporting, satellite overflight and navigational accuracy. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

CHEYENNE MOUNTAIN COMPLEX

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
CHEYENNE MOUNTAIN COMPLEX	A						
COMBATANT COMMANDER MOBILE CONSOLIDATED COMMAND CENTER (MCCC)	A				\$3,722		\$1,093
NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT SYSTEMS	A				{\$13,550}		{\$19,367}
CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE	A				\$5,050		\$3,176
INTERACTIVE TRAINING SYSTEM AND SCENARIO SERVICES	A				\$4,000		\$1,985
MISSILE ANALYSIS AND REPORTING SYSTEM (MARS)	A				\$1,700		\$6,860
SPACE SURVEILLANCE	A				\$2,800		\$6,452
SPACE DEFENSE	A						\$894
TOTALS:					\$17,272		\$20,460

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX						
ITEM / 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)										
FY2003(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-02	Feb-03			
FY2004(1-2)			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			
NORAD CHEYENNE MOUNTAIN COMPLEX-TACTICAL WARNING/ATTACK ASSESSMENT SYSTEMS										
CORE C2 ENTERPRISE NETWORK INFRASTRUCTURE										
FY2003			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-02	Feb-03			
FY2004			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			
FY2005			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-04	Feb-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX						
ITEM / 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	
INTERACTIVE TRAINING SYSTEM AND SCENARIO SERVICES										
FY2003			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-02	Feb-03			
FY2004			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			
FY2005			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-04	Feb-05	Yes		
MISSILE ANALYSIS AND REPORTING SYSTEM (MARS)										
FY2003			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-02	Feb-03			
FY2004			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			
FY2005			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-04	Feb-05	Yes		
SPACE DEFENSE										
FY2004			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: CHEYENNE MOUNTAIN COMPLEX						
ITEM / 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/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-04	Feb-05	Yes		
SPACE SURVEILLANCE										
FY2003			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-02	Feb-03			
FY2004			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-03	Feb-04			
FY2005			AFMC/ESC	OPT/CPAF	LOCKHEED MARTIN/COLORADO SPRINGS, CO	Oct-04	Feb-05	Yes		
<p>Remarks:</p> <p>(1) Various quantities and unit costs due to different site configurations.</p> <p>(2) Options to basic FFP contract awarded Feb 00 by competitive bid to Lockheed Marin, Colorado Springs, CO.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL SIGINT SUPPORT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,315	\$386	\$386	\$414	\$424	\$433	\$442
<p>Description:</p> <p>Tactical Signals Intelligence (SIGINT) Support procures a variety of signals processing, modeling, and support equipment necessary to operate and maintain tactical cryptologic programs. Funding also procures equipment to support ground processing functions associated with airborne operations.</p> <p>1. SENSOR ACE PROGRAM IMPROVEMENTS: This program procures specialized signals processing equipment and computer hardware for testing software algorithms designed to detect and analyze foreign air and air defense command and control networks. Rapid information age innovations highlight the criticality of modernizing detection and processing equipment. Without accurate information on foreign air and air defense networks, situational awareness at all levels of command would degrade to an unacceptable level for threat warning requirements. FY05 funding provides high speed digitizers for emerging higher data rates and pulsed signals in targeted countries.</p> <p>2. CONTINUITY OF OPERATIONS (COOP) PROGRAM: No FY05 funding requested.</p> <p>Items requested in FY05 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TACTICAL SIGINT SUPPORT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
SENSOR ACE IMPROVEMENTS									
SIGNAL PROCESSORS	A				\$315		\$386		\$386
TACTICAL ANALYSIS AND REPORTING PROGRAM (TARP) IMPROVEMENTS									
COMPUTER EQUIPMENT (1)	A				\$10,000				
TOTALS:					\$10,315		\$386		\$386

Remarks:

Cost information is in thousands of dollars.

(1) In FY03 Congress added \$10 million from the Cost of War Transfer Account for the COOP program. Reference Appropriations Conference Report 107-732, October 9, 2002, page 218.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$81,287	\$86,883	\$99,862	\$97,999	\$105,079	\$88,581	\$90,644
<p>Description:</p> <p>This program provides for commercially available Information Technology (IT) acquisitions and equipment additions to government-owned computer systems. Items to be purchased include: 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 Air Force (AF) automated capabilities via specific hardware and software tools. Many support and enhance war-fighting capability and all enhance productivity in support of AF weapon systems and personnel. Funds will support a standard system infrastructure allowing major commands to purchase computer equipment capabilities and quality networking.</p> <p>11TH WING (11WG)</p> <p>1. HEADQUARTERS INFORMATION TECHNOLOGY (IT) INVESTMENT: FY05 funding provides significant infrastructure improvements in many IT categories at Headquarters, United States Air Force (HQ USAF). HQ USAF 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 classified and unclassified networks such as the Internet and the Secure Internet Protocol Routed Network (SIPRNET). HQ USAF 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.</p> <p>2. HEADQUARTERS MAINFRAME SYSTEM SUPPORT: Numerous IT upgrades are accomplished with FY05 funding. Magnetic tape systems are</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES			
Description <p>upgraded to meet increasing data storage requirements and enhance the read/write capability and archival storage capacity. FY05 funding also addresses mainframe communications equipment upgrades in order 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.</p> <p>3. JOINT INTERFACE CONTROL OFFICER SUPPORT SYSTEM (JSS): FY05 funds will procure support for the JSS toolset that facilitates the Joint Interface Control Officer's ability to plan and manage the Multi-Tactical Digital Information Link (TADIL) Data Link Network, including data exchange requirements, correct network deficiencies, transmit, and receive 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 (JROC) validated and approved the JSS Operational Requirements Document (ORD). Refer to Research, Development, Test, and Evaluati (RDT&E) Budget Justification Exhibits for program Element (PE) 27434F.</p> <p>4. OBJECTIVE GATEWAYS/JOINT RANGE EXTENSION: FY05 funds procure additional Joint Range Extension Transparent Multi Platform Gateway (TMPG) Equipment Package (JTEP) to outfit 32 Joint Range Extension mobile vans within the Control Reporting Centers (CRC) in both the Continental United States and Overseas Continental United States. Funding will also assist the Air Force in fielding this capability to all CRCs.</p> <p>5. TACTICAL DATA LINK (TDL) FIELD, INTEGRATION, AND OPERATIONAL SUPPORT PROGRAM (T-FIS): FY05 funding for T-FIS provides field units with all services required to successfully field a Tactical Data Link capability. Funds also provide network support for major Operational Exercises and contingency events, including Operation Freedom, Operation Enduring Freedom, Joint Expeditionary Forces Experiment, and Joint Combat Identification Evaluation Team.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES			
Description					
<p>6. AIR FORCE HISTORICAL RESEARCH AGENCY (AFHRA): FY05 funding procures support for the electronic imaging infrastructure of the Inferential Retrieval Indexing System (IRIS II). IRIS is the AF historical repository and contingency operational system. Funds will provide the capability to collect, organize and disseminate historical paper and electronic documents for official researchers, war fighters, planners and professional military students at Air University.</p> <p>7. FINANCIAL INFORMATION RESOURCE SYSTEM (FIRST): No FY05 funds are requested.</p> <p>8. BUSINESS TRANSFORMATION INVESTMENT PROGRAM (BTIP): FY05 funds facilitate the AF electronic Procurement System (Phase I): Business Transaction & Intelligence Components (BTIC) Enablement. Funds also provide Business Information Repository and enables interfaces with internal and external AF systems. This Initiative takes the electronic Government Purchase Card (eGPC) AF wide, places all AF contracting data into CBIS (Contracting Business Intelligence System), and adds an additional 100 AF users into CBIS.</p> <p>AIR COMBAT COMMAND (ACC)</p> <p>9. BASE OPERATIONS: FY05 funds procure modern Training and Range Command and Control (C2) equipment for Combat Air Forces Operations electronic and communications connectivity. Funds will allow for the replacement of C2 consoles at 13 ACC units.</p> <p>10. INTELLIGENCE SURVEILLANCE RECONNAISSANCE (ISR) MANAGER: No FY05 funds are requested.</p> <p>11. COMBINED AIR OPERATIONS CENTER-EXPERIMENTAL (CAOC-X): This program has a separate P-1 Line for FY05-10, see P-65, Air Operations Center.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES			
Description					
AIR EDUCATION AND TRAINING COMMAND (AETC)					
12. TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS, formerly ADVANCED TRAINING SYSTEM (ATS)): FY05 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. FY05 funds will be used to automate resource tracking within TTMS. TTMS is a tool for the management of all technical training students and resources, design & development of courses, evaluation of training to include testing and critiques, and management of employee records. This hardware is required to meet advanced technical training requirements for 175,000 trainees per year in 20 different career fields.					
13. AIR FORCE INSTITUTE OF TECHNOLOGY (AFIT) EDUCATION AND RESEARCH SYSTEM (EARS): AFIT and EARS provides 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. FY05 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, continued replacement, and upgrade central academic computing systems and network architecture.					
14. 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. FY05 funds continue procurement of computer hardware to support technology applications.					
15. AIR UNIVERSITY (AU): These funds support efforts to migrate to the Air University (AU) Education Management System (EMS). EMS implements effective and efficient education information management practices at AU. EMS encompasses the management of an information infrastructure targeting					
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Description major common business processes (Student Administration-including registrar functions, Curriculum Management and Delivery, and Resource Management) employed throughout AU. FY05 funds establish information infrastructure (local networks and associated equipment) to facilitate research, enhance curriculum, and provide information required to execute the education mission. FY05 funds purchase upgrades to the enterprise platform architecture and interoperability between education curriculums. 16. AIR FORCE RECRUITER INFORMATION SUPPORT SYSTEM (AFRISS): AFRISS is the Air Force's modernization program to replace the legacy system, Procurement Management Information System. FY05 funds purchase hardware and associated software necessary to automate and streamline recruiting processes to provide improved integration with the Air Force Personnel Data System (PDS). AFRISS provides the capability to process recruits much faster, an important capability in an increasingly competitive market. Additionally, funding will procure three telecommunications modules and other required enhancements necessary to support recruiting business practices and supports critical recruiting business practices, applicant entry into active duty, and an increased number of recruiters. 17. PROFESSIONAL MILITARY EDUCATION (PME): FY05 funding will be used to replace or upgrade audio-visual systems in PME school auditoriums. FY05 purchases include system lumens output, soundboards, receivers, and auditorium lighting. AIR FORCE COMMUNICATIONS AGENCY (AFCA) 18. KEESLER COMPUTER NETWORK TRAINING: FY05 funds reprogrammed to Appropriation 3400 due to change in threshold. AIR FORCE MANPOWER & INNOVATION AGENCY (AFMIA) (formerly called the Air Force Center for Quality and Management Innovation (AFCQMI)) 19. MANPOWER DATA SYSTEM (MDS): FY05 funds will provide replacement/refreshment computer servers for every major command. MDS					
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Description processes manpower changes for all force structure actions into the programming, budgeting, and personnel systems (recruiting, assignments, training, and career field management). Without replacement/refreshment equipment, the Air Force will be unable to accomplish accurate and timely personnel assignments, recruiting, projections, and training planning. AIR FORCE MATERIEL COMMAND (AFMC) 20. COMPREHENSIVE ENGINE TRENDING AND DIAGNOSTICS SYSTEM (CETADS) (formerly COMPREHENSIVE ENGINE MANAGEMENT SYSTEM (CEMS)): CETADS is the jet engine trending and diagnostic system for the Air Force supporting engine test software for AF On-Condition Maintenance and Reliability Centered Maintenance programs. It is a National Security System (NSS) program, utilized worldwide in support of Air Combat Command, Air Mobility Command, Air National Guard, AF Reserve Command, Pacific Air Forces (PACAF), US Air Forces in Europe, AF Materiel Command, and Air Education 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. FY05 funds will provide for continued CETADS procurement requirements of a wide range of special configurations of computers and commercial/peculiar hardware devices essential for multiple weapon system support. CETADS has been designated a mission-critical computer resource. 21. COMPUTER RESOURCES SUPPORT IMPROVEMENT PROGRAM (CRSIP) (formerly EMBEDDED (COMPUTER RESOURCES) SUPPORT IMPROVEMENT PROGRAM (ESIP)): No FY05 funds are requested. 22. NETWORK SERVICES (Formerly ENTERPRISE DATA INTEGRATION SYSTEM (EDIS)): FY05 funds provide information assurance software and Consolidated Network Control Center (CNCC) server hardware upgrades at the highest priority to AF Materiel Command (AFMC) bases, and will					
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Description support continued consolidation of electronic mail services at AFMC's Air Logistics Centers (ALCs). Specifically, these funds will acquire additional storage (SANs, servers) accommodating expanding customer needs..					
23. WEAPON SYSTEM MANAGEMENT INFORMATION SYSTEM (WSMIS): WSMIS provides an automated logistics decision support systems to ensure that USAF weapon system and combat forces meet wartime taskings as well as peacetime operating requirements. FY05 funds procure computer hardware, software licenses and associated peripheral equipment for the transition to WSMIS web-enabled capability Readiness Spares Packages (RSP), Computation and Assessment System (RCAS), the Supportability Analysis Visibility (SAV), Warfighter Briefing and the Supply Chain Common Operating Picture (SCCOP), while also supporting legacy systems. FY05 funds will satisfy new WSMIS decision support processes in unclassified and classified environments, and ensure these implementations maintain the foundation infrastructure to achieve Defense Information Infrastructure Common Information Environment (DIICOE)/Global Combat Support System (GCSS) compatibility.					
24. RELIABILITY AND MAINTAINABILITY MANAGEMENT INFORMATION SYSTEM (REMIS): No FY05 funds are requested.					
25. NATIONAL AIR AND SPACE MODEL (NASM): No FY05 funds are requested.					
26. AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) POINT OF MAINTENANCE (POMX) (formerly Integrated Maintenance Data System (IMDS): The point of maintenance effort is a subset of IMDS development. POMX will support multiple disciplines (i.e., maintenance, munitions, etc.) and introduce automatic information technology (AIT) into the workplace reducing the data collection burden on the users. This capability will enable all POMX users to record their work efforts into IMDS from the location at which it happens and in so doing, increase the data accuracy and minimize the data latency. FY05 funds procure the electronic tools (T-Tools) and wireless LAN equipment, including a deployable computer server, necessary to implement POMX whether at home station or in a deployed scenario.					
27. EAGLE VISION: Eagle Vision is a family of systems that provide commercial imagery to operational commanders for mission planning, rehearsal,					
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Description visualization, and intelligence gathering purposes. Eagle Vision is composed of the Data Acquisition System (DAS) and Data Ingest System (DIS). FY05 funds support Eagle Vision DAS and DIS upgrades. These upgrades support improved processing capability, additional satellite capabilities, and baseline upgrades. 28. INTEGRATED BROADCAST SYSTEM (IBS): The IBS is a multi-sensor, multi-source integrated interactive dissemination capability which provides intelligence producers and information sources the means to massage and disseminate strategic, operational, and tactical intelligence information to the 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. FY05 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) 31579F. 29. SCIENCE AND ENGINEERING LAB DATA INTEGRATION (SELDI): In FY04 Congress added \$2.3M for this program. Reference Appropriations Conference Report 108-283, dated 24 Sep 03. Funds will continue upgrading the information systems at Hill AFB which support the Science and Engineering Laboratory. No FY05 funds are requested. AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS (AFOSI) 30. AFOSI COMPUTER NETWORK: The Air Force Office of Special Investigations (AFOSI) Communications and Information Directorate is responsible for centralized management of sensitive data processed on unclassified, classified (CINet), Special Access, and TS/SCI computer and information management systems necessary to achieve the command's operational objectives in support of the AF and Office of the Secretary of Defense (OSD). FY05 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 personnel world-wide, to effectively process, track, and disseminate perishable investigative information to AF commanders and national level customers.					
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Description					
<p>31. DEFENSE CYBER CRIME CENTER (DC3) (formerly Defense Computer Investigation Training Program Workstation): The DoD Cyber Crime Center is comprised of the DoD Computer Forensic Laboratory (DCFL), the DoD Computer Investigations Training Program (DCITP), and the DoD Cyber Crime Institute (DCCI). 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. FY05 funds procure media analysis and training workstations, peripherals, and software, which are mission essential to conducting computer forensic analysis and teaching computer forensics.</p>					
AIR FORCE PERSONNEL CENTER (AFPC)					
<p>32. PERSONNEL DATA SYSTEM (PDS): FY05 funding provides for the sustainment of the AFPC IT Infrastructure. FY05 funding provides for upgrades including the continuing stabilization and sustainment of the current core communications and computer facilities supporting AFPC, migration to Web based applications, and technology refresh needed to replace equipment and software. The Air Force automated personnel records system enables users worldwide to create, update, and query 1.5 million personnel records. 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. FY05 funds will also procure hardware and software upgrades for the AF official electronic repository for active duty, Guard, and Reserve master records.</p>					
<p>33. REGIONALIZATION OF CIVILIAN PERSONNEL SUPPORT: FY05 funding continues to support PALACE COMPASS regionalization and modernization of 97 worldwide AF Civilian Personnel Operations (CPOs) and one Regional Service Center (RSC) 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 (DCPDS), Personnel Automated Records Information System (PARIS), Civilian Personnel Decision Support System (CPDSS), Employee Benefits and Information System (EBIS), Interactive Voice Response System (IVRS), RESUMIX, Business Objects (BO), and the Civilian Announcement Notification System (CANS).</p>					
<p>34. VIRTUAL MILITARY PERSONNEL FLIGHT (VMPPF): The Virtual Military Personnel Flight is a web-based application that provides a customer</p>					
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Description self-service platform of basic military personnel functions. The program is designed to examine, engineer, reengineer, and convert, where possible, all the processes associated with a contemporary MPF. FY05 funds procure hardware and software to convert 400 processes to a web-based processing platform. AIR INTELLIGENCE AGENCY 35. TAILORED INTELLIGENCE MATERIALS PRODUCTION PROGRAM: This program procures hardware and software necessary to provide aircrews with worldwide virtual intelligence mission planning capabilities. FY05 funds continue expansion of high speed classified data transfer capability for tailored intelligence production at the 20th Intelligence Squadron, Offutt AFB, NE, and the 27th Intelligence Squadron, Langley AFB, VA. The Increase in FY05 funding enables information recovery on a Top Secret Sensitive Compartmented Information (TS-SCI) level network. The Defense Intelligence Agency will plan data recovery capability for mission critical intelligence information used at the Unified Command level. Funds will be used to procure servers, storage devices, associated hardware upgrades, as well as initial installation costs. 36. OFFENSIVE INFORMATION WARFARE (IW) SUPPORT: FY05 funding provides computers, computer related memory storage, local and long-haul communications, contractor information system specialties, infrastructure, and unique intelligence and analysis equipment required to support IW analysis which delivers timely AF IW capabilities for training, EW systems capabilities analysis, and combat operations. US AIR FORCE ACADEMY (USAFA) 37. AIR FORCE ACADEMY COMPUTER SUPPORT: FY05 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. CAMIS supports all facets of student management. UNITED STATES AIR FORCES IN EUROPE (USAFE)					
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Description					
<p>38. INTELLIGENCE AUTOMATIC DATA PROCESSING EQUIPMENT (ADPE): This project provides continued equipment upgrades for USAFE intelligence ADP systems and communications networks. FY05 funds upgrade the 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.</p>					
<p>39. WARRIOR PREPARATION CENTER (WPC): The WPC provides senior battle commanders and their staff the opportunity to train at the operational level of war using interactive computer simulations that replicate, as closely as possible, the real-world environment. The WPC extends this training opportunity to our NATO allies. Additionally, WPC supports real-world operations as well as exercise requirements in remote areas such as Turkey. The WPC's robust training schedule consists of 10-12 exercises/computer assisted events per year, including some worldwide exercises involving up to 9,000 personnel. A large portion of WPC workstations, terminals, and peripherals are nearing the end of their life cycle and are too costly to repair. FY05 funds continue procurement of simulation workstations, terminals, and peripheral equipment to meet USAFE mission needs.</p>					
UNITED STATES NORTHERN COMMAND (USNORTHCOM)					
<p>40. USNORTHCOM ARCHITECTURE & INTEGRATION (A&I): FY05 funds procure the equipment needed to provide quick, accurate information to the Combatant Commander to allow for appropriate/correct responses to an attack or disaster. The system also provides information protection measures against cyber attacks, including secure data exchanges with Home Land Security (HLS) partners, and continue connectivity with DoD's network infrastructure (SIPRnet & NIPRnet). Funds also provide communication infrastructure for USNORTHCOM Headquarters for existing buildings.</p>					
US STRATEGIC COMMAND (USSTRATCOM)					
<p>41. COMMAND MANAGEMENT LAN NETWORK INFRASTRUCTURE: The USSTRATCOM unclassified and classified Command Management Local Area Network (CM LAN) provides all HQ USSTRATCOM users a standard suite of software applications. FY05 funding continues infrastructure and component upgrades for network file servers, mail servers, and printer servers; stratus servers and Standard Query Language (SQL) servers; and gateways,</p>					
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Description hubs, routers, and other associated network peripherals. AIR FORCE SAFETY CENTER 42. AUTOMATED SAFETY SYSTEMS: FY05 funds procure network hardware and provide for implementation of three safety programs AF wide -- the Automated System for Hazard Surveys (ASHS), Safety Automated System (SAS), and Avian Hazard Advisory System (AHAS). The AHAS combines the historical bird hazard information in the Bird Avoidance Model (BAM) with weather forecasts and radar data to provide near-real time bird hazard advisories. This system allows the safer utilization of airspace, previously restricted by the BAM, by more accurately identifying periods of increased bird hazards to routine low-level and range flight operations. The AF averages \$22 million annually in damage from bird strikes during low-level and range flight operations. AHAS will significantly reduce these annual losses, possibly by as much as 60 percent. The SAS is a globally accessible web-based network for reporting and analyzing ground, flight, and weapons mishaps. This system makes data readily accessible to all authorized USAF and DoD personnel for mishap analysis, trending, and prevention/risk management. AIR FORCE SPACE COMMAND/SPACE & MISSILE CENTER 43. RDT&E SUPPORT COMPLEX (RSC)/CENTER FOR RESEARCH SUPPORT (CERES) UPGRADES: FY05 funding continues RSC/CERES computer and hardware upgrade efforts to improve the consolidated telemetry, tracking, and commanding (TT&C) facilities at Kirtland AFB, NM and Schriever AFB, CO. Additionally, FY05 funding supports upgrades to worldwide deployable ground systems. Deployable ground systems support the space test research and readiness control mode and interface with the Air Force Satellite Control Network (AFSCN) and other agencies, in support of space system testing. NATIONAL SECURITY EMERGENCY PREPAREDNESS					
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Description					
<p>44. SITE R ADP SUPPORT: FY05 funds procure hardware -- personal computers, servers, and other networking equipment to maintain/refresh both the classified and unclassified Air Force C4 systems at a HQ USAF relocation site. Equipment will ensure connectivity and computing ability. Should HQ USAF be relocated, SECAF, CSAF, and their staffs will have traditional capabilities and be able to operate to established current standards. The SECAF and CSAF's ability to make timely decisions and appropriately advise CJCS will be maintained in a continuity of operations environment.</p> <p>HQ PACIFIC AIR FORCES (HQ PACAF)</p> <p>45. INTELLIGENCE ACTIVITIES: This program procures hardware and software necessary for the Sensitive Compartmented Information-level theater network and supports virtual intelligence mission planning capabilities. FY05 funds provide the capability to continue analysis, receipt, and dissemination of critical intelligence, particularly on the Korean peninsula.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GENERAL INFORMATION TECHNOLOGIES									
11 WG					{\$10,679,000}		{\$11,026,000}		{\$38,672,000}
HQS IT INVESTMENT	A				\$7,565,000		\$8,500,000		\$9,600,000
HQS MAINFRAME SYS SPT	A				\$1,937,000		\$2,526,000		\$1,054,000
JOINT INTERFACE CONTROL OFFICER SUPT SYS (JSS)	A								\$15,798,000
OBJECTIVE GATEWAYS/JOINT RANGE EXTENSION	A								\$3,692,000
TACTICAL DATA LINK (TDL) FIELD INTEGRATION&OP SUPT	A								\$6,315,000
AF HISTORICAL RESEARCH AGENCY	A								\$323,000
FIRST	A				\$1,177,000				
BUSINESS TRANSFORMATION INVESTMENT PROGRAM	A								\$1,890,000
ACC					{\$4,209,000}		{\$3,014,000}		{\$2,715,000}
BASE OPERATIONS	A				\$2,832,000		\$3,014,000		\$2,715,000

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ISR MANAGER	A				\$386,000				
CAOC-X	A				\$991,000				
AETC					{\$7,637,000}		{\$6,936,000}		{\$7,204,000}
TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS)	A				\$1,142,000		\$480,000		\$427,000
AFIT EARS	A				\$635,000		\$647,000		\$661,000
EDUCATION AND TRAINING TECH APPLICATIONS PRGM	A				\$1,780,000		\$1,767,000		\$1,794,000
AU	A				\$1,115,000		\$1,146,000		\$1,165,000
AFRISS	A				\$2,965,000		\$2,896,000		\$2,867,000
PME	A								\$290,000
AFCA					{\$1,922,000}		{\$2,382,000}		
KEESLER COMPUTER NETWORK TRAINING	A				\$1,922,000		\$2,382,000		

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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AF MANPOWER & INNOVATION AGENCY (AFMIA)					{ \$501,000 }				{ \$768,000 }
MDS	A				\$501,000				\$768,000
AFMC					{ \$29,862,000 }		{ \$19,511,000 }		{ \$21,420,000 }
CETADS	A				\$600,000		\$200,000		\$180,000
CRSIP	A				\$2,049,000				
NETWORK SERVICES (EDIS)	A				\$300,000		\$300,000		\$294,000
WSMIS	A				\$422,000		\$400,000		\$425,000
REMIS	A				\$1,450,000				
NATIONAL AIR AND SPACE MODEL (NASM)	A				\$2,895,000				
AIR FORCE SPECIAL OPERATIONS COMMAND (AFSOC) POINT OF MAINTENANCE (POMX)	A				\$2,546,000		\$4,947,000		\$3,938,000
EAGLE VISION	A				\$3,712,000		\$4,208,000		\$5,823,000

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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
IBS	A				\$13,488,000		\$7,178,000		\$10,760,000
SELDI	A				\$2,400,000		\$2,278,000		
AFOSI					{\$3,974,000}		{\$2,474,000}		{\$2,724,000}
AFOSI COMPUTER NETWORK	A				\$2,255,000		\$2,217,000		\$2,196,000
DEFENSE CYBER CRIME CENTER	A				\$1,719,000		\$257,000		\$528,000
AFPC					{\$9,446,000}		{\$13,463,000}		{\$10,372,000}
PDS	A				\$1,493,000		\$5,406,000		\$2,360,000
REGIONALIZATION OF CIVILIAN PERSONNEL SPT	A				\$7,953,000		\$7,788,000		\$7,645,000
VMPF	A						\$269,000		\$367,000
AIA					{\$620,000}		{\$17,312,000}		{\$6,005,000}

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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TAILORED INTELLIGENCE MATERIALS PRODUCTION PROGRAM	A				\$620,000		\$15,385,000		\$2,884,000
OFFENSIVE INFORMATION WARFARE SUPPORT	A						\$1,927,000		\$3,121,000
USAFA					{\$2,863,000}		{\$2,830,000}		{\$2,858,000}
USAFA COMPUTER SPT	A				\$2,863,000		\$2,830,000		\$2,858,000
USAFE					{\$1,236,000}		{\$1,083,000}		{\$1,105,000}
INTELLIGENCE ADPE	A				\$696,000		\$549,000		\$562,000
WPC	A				\$540,000		\$534,000		\$543,000
US NORTHERN COMMAND					{\$7,041,000}		{\$4,816,000}		{\$3,854,000}
USNORTHCOM ARCHITECTURE & INTEGRATION (A&I)	A				\$7,041,000		\$4,816,000		\$3,854,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
USSTRATCOM					{\$771,000}		{\$827,000}		{\$902,000}
COMMAND MANAGEMENT LAN NETWORK INFRASTRUCTURE	A				\$771,000		\$827,000		\$902,000
AIR FORCE SAFETY CENTER					{\$296,000}		{\$95,000}		{\$96,000}
AUTOMATED SAFETY SYSTEMS	A				\$296,000		\$95,000		\$96,000
AIR FORCE SPACE COMMAND/SPACE & MISSILE CENTER					{\$230,000}		{\$229,000}		{\$233,000}
RSC/CERES UPGRADES	A				\$230,000		\$229,000		\$233,000
NATIONAL SECURITY EMERGENCY PREPAREDNESS (NSEP)							{\$230,000}		{\$266,000}
SITE R ADP SUPPORT	A						\$230,000		\$266,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
PACAF							{ \$655,000 }		{ \$668,000 }
INTELLIGENCE ACTIVITIES	A						\$655,000		\$668,000
TOTALS:					\$81,287,000		\$86,883,000		\$99,862,000

Remarks:

Cost information is in actual dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
GENERAL INFORMATION TECHNOLOGIES										
11 WG(1)										
HQS IT INVESTMENT										
FY2003			11WING	C/FP	MULTIPLE (2)	Mar-03	Jun-03			
FY2004			11WING	C/FP	UNKNOWN	Mar-04	Jun-04	Yes		
FY2005			11WING	C/FP	UNKNOWN	Mar-05	Jun-05	Yes		
HQS MAINFRAME SYS SPT										
FY2003			11WING	C/FP	MULTIPLE (2)	Mar-03	Jun-03			
FY2004			11WING	C/FP	UNKNOWN	Mar-04	Jun-04	Yes		
FY2005			11WING	C/FP	UNKNOWN	Mar-05	Jun-05	Yes		
JOINT INTERFACE CONTROL OFFICER SUPT SYS (JSS)										
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Nov-04	Apr-05	No	Feb-05	
OBJECTIVE GATEWAYS/JOINT RANGE EXTENSION										
		P-1 ITEM NO 56		PAGE NO: 93		Page 1 of 17				

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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/ESC	C/FFP	UNKNOWN	Nov-04	Feb-05	Yes		
TACTICAL DATA LINK (TDL) FIELD INTEGRATION&OP SUPT										
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Oct-04	Mar-05	No	Mar-04	
AF HISTORICAL RESEARCH AGENCY										
FY2005			11WING	C/FFP	UNKNOWN	Dec-05	Jan-06	Yes		
FIRST										
FY2003			11WING	OPT/CPAF	ACCENTURE/DAYTON, OH	Oct-02	Mar-03			
BUSINESS TRANSFORMATION INVESTMENT PROGRAM										
FY2005			AFMC/SSG	C/FP	UNKNOWN	Oct-04	Feb-05	Yes		
ACC(1)										
BASE OPERATIONS										
FY2003			HQ ACC	C/FP	MULTIPLE (2)	May-03	Aug-03			
		P-1 ITEM NO 56				PAGE NO: 94		Page 2 of 17		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
FY2004			HQ ACC	C/FP	UNKNOWN	May-04	Aug-04	Yes		
FY2005			HQ ACC	C/FP	UNKNOWN	May-05	Aug-05	Yes		
ISR MANAGER										
FY2003			HQ ACC	OPT/IDIQ	GSA/MULTIPLE (18)	Feb-03	Jun-03			
CAOC-X										
FY2003			HQ ACC	OPT/IDIQ	GSA/MULTIPLE (18)	Jan-03	May-03			
AETC(1)										
TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS)										
FY2003			HQ AETC	C/FP	MULTIPLE (2)	Mar-03	May-03			
FY2004			HQ AETC	C/FP	UNKNOWN	Mar-04	May-04	Yes		
FY2005			HQ AETC	C/FP	UNKNOWN	Mar-05	May-05	Yes		
AFIT EARS										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
FY2003			AFMC/ASC	C/FP	MULTIPLE (2)	Feb-03	Apr-03			
FY2004			AFMC/ASC	C/FP	MULTIPLE (2)	Feb-04	Apr-04	Yes		
FY2005			AFMC/ASC	C/FP	UNKNOWN	Feb-05	Apr-05	Yes		
EDUCATION AND TRAINING TECH APPLICATIONS PRGM										
FY2003			HQ AETC	C/FP	MULTIPLE (2)	Jan-03	Mar-03			
FY2004			HQ AETC	C/FP	MULTIPLE (2)	Jan-04	Mar-04			
FY2005			HQ AETC	C/FP	UNKNOWN	Jan-05	Jan-05	Yes		
AU										
FY2003			HQ AETC	C/FP	MULTIPLE (2)	Nov-02	Jan-03			
FY2004			HQ AETC	C/FP	MULTIPLE (2)	Jan-04	Jan-05			
FY2005			HQ AETC	C/FP	UNKNOWN	Jan-05	Jan-06	Yes		
AFRISS										
FY2003			HQ AETC	C/FP	MULTIPLE (2)	Jan-03	Mar-03			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
FY2004			HQ AETC	C/FP	MULTIPLE (2)	Jan-04	Mar-04			
FY2005			HQ AETC	C/FP	UNKNOWN	Jan-05	Mar-05	Yes		
PME										
FY2003			HQ AETC	C/FP	MULTIPLE (2)	Jan-03	Mar-03			
FY2004			HQ AETC	C/FP	MULTIPLE (2)	Jan-04	Mar-04			
FY2005			HQ AETC	C/FP	UNKNOWN	Jan-05	Mar-05	Yes		
AFCA(1)										
KEESLER COMPUTER NETWORK TRAINING										
FY2003			HQ AFCA	C/FP	MULTIPLE (2)	Jan-03	Mar-03			
FY2004			HQ AFCA	C/FP	MULTIPLE (2)	Jan-04	Mar-04			
AF MANPOWER & INNOVATION AGENCY (AFMIA)(1)										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
MDS										
FY2003			11WING	C/FP	MULTIPLE (2)	Oct-02	Aug-03			
FY2005			11WING	C/FP	UNKNOWN	Feb-05	Apr-05	No	Jan-05	
AFMC(1)										
CETADS										
FY2003			AFMC/GKIC (23)	DO/FFP	GSA/SAN ANTONIO, TX	Dec-02	May-03			
FY2004			AFMC/GKIC (23)	DO/FFP	GSA/SAN ANTONIO, TX	Dec-03	May-04			
FY2005			AFMC/GKIC (23)	DO/FFP	GSA/SAN ANTONIO, TX	Dec-04	May-05	Yes		
CRSIP										
FY2003			AFMC/ASC	DO/FFP	MULTIPLE (3)	Mar-03	Aug-03			
NETWORK SERVICES (EDIS)										
FY2003			AFMC/ASC	MIPR/FFP	GSA, DIGITAL CONSULTING SERVICES/NEWBURY PARK, CA	Jan-03	Feb-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
FY2004			AFMC/ASC	MIPR/FFP	GSA, DIGITAL CONSULTING SERVICES/NEWBURY PARK, CA	Jan-04	Feb-04			
FY2005			AFMC/ASC	MIPR/FFP	GSA, DIGITAL CONSULTING SERVICES/NEWBURY PARK, CA	Jan-05	Feb-05	Yes		
WSMIS										
FY2003			AFMC/ASC	MIPR/FFP	DECC-D (4)/DAYTON, WPAFB, OH	Feb-03	Apr-03			
FY2004			AFMC/ASC	MIPR/FFP	DECC-D (4)/DAYTON, WPAFB, OH	Feb-04	Apr-04	Yes		
FY2005			AFMC/ASC	MIPR/FFP	DECC-D (4)/DAYTON, WPAFB, OH	Feb-05	Apr-05	Yes		
REMIS										
FY2003			AFMC/ESC	OPT (20)/IDIQ	NORTHROP GRUMMAN/BEAVERCREEK, OH	Mar-03	May-03			
NATIONAL AIR AND SPACE MODEL (NASM)										
FY2003			AFMC/ESC	OPT/CPFF	RAYTHEON (7)/MARLBOROUGH, MA	Dec-02	Jun-03			
FY2004			AFMC/ESC	OPT/CPFF	RAYTHEON (7)/MARLBOROUGH, MA	Dec-03	Jun-04			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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 SPECIAL OPERATIONS COMMAND (AFSOC) POINT OF MAINTENANCE (POMX)										
FY2003			AFMC/SSG	OPT/FP	MULTIPLE (2)	Jan-03	Apr-03			
FY2004			AFMC/SSG	OPT/FP	MULTIPLE (2)	Jan-04	Apr-04			
FY2005			AFMC/SSG	OPT/FP	MULTIPLE (2)	Jan-05	Apr-05	Yes		
EAGLE VISION										
FY2003			AFMC/ESC	MIPR/FFP	MULTIPLE (8)	Jul-03	Aug-03			
FY2004			AFMC/ESC	MIPR/FFP	MULTIPLE (8)	Jul-04	Aug-04	Yes		
FY2005			AFMC/ESC	MIPR/FFP	MULTIPLE (8)	Jul-05	Aug-05	Yes		
IBS										
FY2003			HQ ACC	C/FFP	MULTIPLE (7)	Dec-02	May-03			
FY2004			HQ ACC	C/FFP	MULTIPLE (7)	Dec-03	May-04			
FY2005			HQ ACC	C/FFP	UNKNOWN	Dec-04	May-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
SELDI										
FY2003			AFMC/OC-ALC	DO/OTH (21)	ES3/SOLANA BEACH, CA	Apr-03	Jul-03			
FY2004			AFMC/OC-ALC	DO/OTH (21)	ES3/SOLANA BEACH, CA	Apr-04	Jul-04	Yes		
AFOSI(1)										
AFOSI COMPUTER NETWORK										
FY2003			HQ AFOSI	MIPR/OTH/FP	GSA/KANSAS CITY	Feb-03	May-03			
FY2004			HQ AFOSI	MIPR/OTH/FP	GSA/KANSAS CITY	Jan-04	Mar-04			
FY2005			HQ AFOSI	MIPR/OTH/FP	GSA/KANSAS CITY	Jan-05	Mar-05	Yes		
DEFENSE CYBER CRIME CENTER										
FY2003			HQ AFOSI	MIPR/OPT/FP	FEDSIM/ALEXANDRIA, VA	Feb-03	Feb-03			
FY2004			HQ AFOSI	MIPR/OTH/FP	FEDSIM/ALEXANDRIA, VA	Jan-04	Mar-04			
FY2005			HQ AFOSI	MIPR/OTH/FP	FEDSIM/ALEXANDRIA, VA	Jan-05	Mar-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
AFPC(1)										
PDS										
FY2003			HQ AFPC	OPT/FP	MULTIPLE (10)	Nov-02	Apr-03			
FY2004			HQ AFPC	OPT/FP	MULTIPLE (10)	Dec-03	Apr-04			
FY2005			HQ AFPC	OPT/FP	MULTIPLE (10)	Dec-04	Apr-05	Yes		
REGIONALIZATION OF CIVILIAN PERSONNEL SPT										
FY2003			HQ AFPC	OPT/FP	MULTIPLE (10)	Nov-02	Jan-03			
FY2004			HQ AFPC	OPT/FP	MULTIPLE (10)	Jan-04	Mar-04			
FY2005			HQ AFPC	OPT/FP	MULTIPLE (10)	Nov-04	Jan-05	Yes		
VMPF										
FY2004			HQ AFPC	OPT/FP	MULTIPLE (10)	Jan-04	Jun-04			
FY2005			HQ AFPC	OPT/FP	UNKNOWN	Mar-05	Jun-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
AIA(1)										
TAILORED INTELLIGENCE MATERIALS PRODUCTION PROGRAM										
FY2003			HQ ACC	C/FP	MULTIPLE (11)	Jan-03	Mar-03			
FY2004			HQ ACC	C/FP	MULTIPLE (11)	Feb-04	Feb-04	Yes		
FY2005			HQ ACC	C/FP	UNKNOWN	Mar-05	Apr-05	Yes		
OFFENSIVE INFORMATION WARFARE SUPPORT										
FY2004			HQ AIA	C/FP	UNKNOWN	May-04	Aug-04	Yes		
FY2005			HQ AIA	C/FP	UNKNOWN	May-05	Aug-05	Yes		
USAFA(1)										
USAFA COMPUTER SPT										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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	
FY2003			HQ USAFA	C/FP	MULTIPLE (2)	Oct-02	Nov-02			
FY2004			HQ USAFA	C/FP	MULTIPLE (2)	Oct-03	Nov-03			
FY2005			HQ USAFA	C/FP	UNKNOWN	Oct-04	Nov-04	Yes		
USAFE(1)										
INTELLIGENCE ADPE										
FY2003			HQ USAFE	C/FP	MULTIPLE (2)	Feb-03	May-03			
FY2004			HQ USAFE	C/FP	MULTIPLE (2)	Feb-04	Feb-04	Yes		
FY2005			HQ USAFE	C/FP	UNKNOWN	Feb-05	Feb-05	Yes		
WPC										
FY2003			HQ USAFE	OPT/FP	GTE (11)/WARNER-ROBINS AFB, GA	Feb-03	May-03			
FY2004			HQ USAFE	OPT/FP	GTE (11)/WARNER-ROBINS AFB, GA	Feb-04	May-04	Yes		
FY2005			HQ USAFE	OPT/FP	GTE (11)/WARNER-ROBINS AFB, GA	Feb-05	May-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES
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ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL
US NORTHERN COMMAND(1)									
USNORTHCOM ARCHITECTURE & INTEGRATION (A&I)									
FY2003			HQ AFSPC	C/FP	GSA/MULTIPLE (18)	Jan-03	Mar-03		
FY2004			HQ AFSPC	MIPR/FP	GSA/GSA/MULTIPLE (18)	Jan-04	Mar-04		
FY2005			HQ AFSPC	MIPR/FP	GSA/GSA/MULTIPLE (18)	Jan-05	Mar-05	Yes	
USSTRATCOM(1)									
COMMAND MANAGEMENT LAN NETWORK INFRASTRUCTURE									
FY2003			USSTRATCOM	C/FP	MULTIPLE (2)	Feb-03	Mar-03		
FY2004			USSTRATCOM	C/FP	MULTIPLE (2)	Feb-04	Mar-04	Yes	
FY2005			USSTRATCOM	C/FP	UNKNOWN	Feb-05	Mar-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / 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 SAFETY CENTER										
AUTOMATED SAFETY SYSTEMS										
FY2003			11WING	MIPR/OTH	MULTIPLE (19)	Nov-02	Jan-03			
FY2004			11WING	MIPR/OTH	MULTIPLE (19)	Nov-03	Jan-04			
FY2005			11WING	MIPR/OTH	MULTIPLE (19)	Feb-05	Mar-05	Yes		
AIR FORCE SPACE COMMAND/SPACE & MISSILE CENTER										
RSC/CERES UPGRADES										
FY2003			AFSPC/SMC	OPT/CPAF	LMMS (5)/ALBUQUERQUE, NM	Jul-03	Oct-03			
FY2004			AFSPC/SMC	OPT/CPAF	LMMS (5)/ALBUQUERQUE, NM	Jul-04	Oct-04	Yes		
FY2005			AFSPC/SMC	OPT/CPAF	LMMS (5)/ALBUQUERQUE, NM	Mar-05	Oct-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
NATIONAL SECURITY EMERGENCY PREPAREDNESS (NSEP)										
SITE R ADP SUPPORT										
FY2004			11WING	MIPR/FFP	GSA/KANSAS CITY	Oct-03	Oct-03			
FY2005			11WING	MIPR/FFP	GSA/KANSAS CITY	Oct-04	Oct-04	Yes		
PACAF										
INTELLIGENCE ACTIVITIES										
FY2004			HQ PACAF	OPT/IDIQ	GSA/MULTIPLE (2)	Mar-04	Apr-04	Yes		
FY2005			HQ PACAF	OPT/IDIQ	GSA/MULTIPLE (2)	Mar-05	Apr-05	Yes		
11 WG										
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) Quantities and costs vary for each program based on location and configuration.</p> <p>(2) Multiple GSA schedule contractors, including Electronic Data Systems (EDS), Herndon, VA; General Analytics Corp, McLean, VA; HSF Inc, McLean, VA; GTE, West Lake, CA; IBM, Bethesda, MD; PRC, San Antonio, TX; Toshiba American, Irvine, CA; FGM Inc, Herndon, VA; Computer Science Corp (CSC), Hanover, MD; Systems Research & Applications (SRA), Arlington, VA; Comteq Federal, Rockville, MD; Comnet Sciences, Shearwater, NJ; Dynamix, Largo, MD; Compstore, Chantilly, VA; Pacific Radio Electronics, Hollywood, CA; Professional Products, Bethesda, MD; Newark Electronics, Bethesda, MD; Logicon Tech, San Pedro, CA.; ABACUS Chevy Chase, MD; Lockheed Martin, Manassas, VA; Altiris Software, Lindon, UT; Unisys, Reston, VA; Telos, Ashburn VA; GTSI Corp, Chantilly, VA; Severn Companies, Inc., Laurel, MD; and Titan System Corp, San Diego; Award/delivery dates reflect date of first award and delivery.</p> <p>(3) Delivery order options to FY97 cost plus fixed fee contracts awarded in Jun 1997 to Scientific Applications Corp (SAIC), San Diego, CA, in Jul 1997 to TRW, Dayton, OH, in May 1999 to Boeing, St. Louis, MO, and in Aug 99 to Lockheed Martin, Ft. Worth, TX.</p> <p>(4) AFMC contracts through Defense Information System Agency (DISA)/Defense Mega Center (DMC) to General Services Administration (GSA), Washington, DC.</p> <p>(5) Option to 2000 cost plus award fee contract (CPAF) awarded to Lockheed Martin Mission Systems (LMMS), Albuquerque, NM. Name changed to Lockheed Martin Mission Systems (LMMS) in April 1999.</p> <p>(6) Time and materials contract. Delivery dates reflect date of first delivery.</p> <p>(7) Cost plus fixed fee options to basic contract awarded Jan 01. Award/delivery dates reflect date of first award and delivery.</p> <p>(8) Various contract methods and types of contracts will be used to support Eagle Vision, Matra System & Information, Velizy, FR; ERIM International, Inc., Ann Arbor, MI; and other as yet unknown. Award/delivery date reflects date of first award and delivery.</p> <p>(9) Option to basic contract awarded May 00.</p> <p>(10) Options to multiple standard contracts including Desktop IV, Ulana, Super-Mini, Standard Multiuser Small Computer Requirements Contract (SMSCRC). Award/delivery dates reflect date of first award and delivery.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GENERAL INFORMATION TECHNOLOGIES						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(11) Multiple GSA schedule contractors including GTE Government Systems, Mountainview, CA; SAG/East Coast Electronics, North Andover, MA; General Dynamics Electronics Systems, Colorado Springs, CO; Gateway Inc., North Sioux City, SD; Federal Data Corporation, Bethesda, MD; Network Appliance Inc., Sunnyvale, CA; World Wide Technology Inc., Maryland Heights, MO. Award/delivery dates reflect date of first award and delivery.</p> <p>(12) Option to basic GTE contract awarded Feb 97.</p> <p>(13) Options to multiple standard contracts with Autometric, Inc, Springfield, VA and Concurrent Technology Corp, Johnstown, PA. Award/delivery dates reflect date of first award and delivery.</p> <p>(14) The Procurement Contract Officer for the F-117 TDPS resides at Ft Belvoir, VA. Aeronautical System Center (ASC) will MIPR funds to Ft. Belvoir, VA. The contractor will be determined through source selection.</p> <p>(15) Option to Lockheed Martin Mission Systems basic contract awarded April 01.</p> <p>(16) Option to basic contract awarded April 01.</p> <p>(17) Multiple possible contracting sources include Naval Research Laboratory, Washington, DC; GSA Kansas City MO; other GSA contracts as managed by the National Security Agency and the Naval Security Group. Actual contract award and delivery dates are TBD.</p> <p>(18) Multiple contracts, to include GSA and Sun Microsystems, will be used. Award and delivery date reflect first date of award and delivery.</p> <p>(19) Multiple MIPRS will be awarded. Sources include GSA FEDSIM, Alexandria, VA; GSA, Ft Worth, TX; and Smithsonian, Washington DC.</p> <p>(20) Option to basic contract awarded Sep 00.</p> <p>(21) Time and materials contract. Engineering and Software Systems Solutions (ES3), Solana Beach, CA. Award and delivery date reflect first date of award and delivery.</p> <p>(22) Multiple contracts with varying award and delivery dates exist to procure the various types of equipment throughout the fiscal years. Typical contractors involved are: Silicon Graphics, Mountain View CA; Loral, Las Vegas NV; Raytheon, Galeta CA; L3 Communications Corp, Camden NJ; and Southwest Research Inc (SWRI), San Antonio TX.</p> <p>(23) Greater Kelley Industrial Center (GKIC), Formerly San Antonio Air Logistic Center.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$27,672	\$23,283	\$17,324	\$17,021	\$17,361	\$17,705	\$18,050
<p>Description:</p> <p>The Global Command & Control System-Air Force (GCCS-AF) program provides the common Air Force infrastructure and hardware necessary to pass Air Force 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 Air Force'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: Air Force-supported warfighting commanders, Headquarters United States Air Force (HQ USAF), major command (MAJCOM) headquarters, 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 Air Force base-level classified C2 networks, Air Force base-level network control centers, and the joint Defense Information Systems Agency (DISA) Secret Internet Protocol Network (SIPRNET). This program provides a flexible open system, distributed C2 architecture necessary to support the client/server-based joint GCCS. GCCS supports Air Force Systems Networking (AFSN) operations by installing and upgrading a site's classified C2 network through extensive use of COTS technology that adheres to the Air Force command, control, communications, and computer building codes and standards.</p> <p>GLOBAL COMMAND AND CONTROL (C2) SYSTEM - AIR FORCE (GCCS-AF) MODERNIZATION: This funding procures, integrates, and installs GCCS-AF at required AF-supported active Air Force, ANG, and AFR sites. It also upgrades or replaces C2 communications and computer systems to modernize logistically unsupportable MAJCOM C2 systems and capitalize on AFSN and GCCS-AF improvements. The classified communications infrastructure of the MAJCOM C2 facilities, e.g., command posts, will be modernized by installing state-of-the-art networking components for improved</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM			
Description interoperability, data throughput, and system security. FY05 funds continue to procure initial network infrastructure and equipment for multiple new sites and support the deployment of the DCAPES application. This expanded GCCS architecture includes new functional users on each base and specifically incorporates the manpower and logistics functions into GCCS. FY04/05 funds continue the fielding of GCCS-AF systems hardware, government-off-the-shelf (GOTS), 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. 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) System, and will allow for the continued integration of evolving C2 capabilities into the AF's operational framework. These funds also continue to provide for technical refreshment of fielded hardware, and procure software licenses. Items requested in FY05 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.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
GCCS-AF MODERNIZATION						{\$27,672}			{\$23,283}			{\$17,324}		
HARDWARE	A					72,000.00	\$26,172		83,000.00	\$21,783		24,000.00	\$15,824	
SOFTWARE LICENSES							\$1,500			\$1,500			\$1,500	
TOTALS:					1		\$27,672		1		\$23,283	1		\$17,324

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE GLOBAL COMMAND & CONTROL SYSTEM						
ITEM / 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)										
FY2003(2)			AFMC/ESC	MIPR/IDIQ	GSA/KANSAS CITY, MO	Oct-02	Dec-02			
FY2004(2)			AFMC/ESC	MIPR/IDIQ	GSA/KANSAS CITY, MO	Oct-03	Dec-03			
FY2005(2)			AFMC/ESC	MIPR/IDIQ	GSA/KANSAS CITY, MO	Oct-04	Dec-04	No	Jul-04	
Remarks:										
<p>(1) Quantity and unit costs vary due to different types/configurations of equipment being procured.</p> <p>(2) Multiple GSA contracts utilized: TRW, Carson, CA; EDS, Herndon, VA; World Wide Technology, St Louis, MO; and Mykotronix, Torrance, CA. Award/delivery dates reflect date of first award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$11,038	\$9,178	\$8,982	\$13,289	\$9,872	\$10,093	\$10,296
<p>Description:</p> <p>Air Mobility Command (AMC) supports national power projection force deployments and time sensitive logistics requirements. To perform this mission, AMC requires an effective mobility command and control (C2) system that provides for efficient centralized management of the entire United States strategic mobility fleet. Whereas most other Major Commands (MAJCOMs) have their entire base communications infrastructure funding in P-1 line 81, AMC has a portion of its base communications infrastructure funding here in P-1 line 58. AMC's base communications infrastructure contained herein is AMC unique, directly supporting the global mobility mission.</p> <ol style="list-style-type: none"> 1. GLOBAL C2 ARCHITECTURE: These funds continue AMC's integrated upgrade of C2 systems. <ol style="list-style-type: none"> a. OBJECTIVE WING COMMAND POST (OWCP): No FY05 funding requested. b. LOCAL AREA NETWORK (LAN): FY05 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 Message System (DMS), Combat Information Transport System (CITS), Base Level Systems Modernization, and other AMC systems such as Global Decision Support System (GDSS), OWCP, etc. Upgrades keep pace with changing technology by constantly re-assessing the needs of the war-fighter and obtaining the necessary LAN infrastructure needed to sustain current capabilities and implement new C2 systems. c. 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. FY05 funding provides increased 3-dimensional optimization capabilities and upgrades one 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL			
Description database server to accommodate expanded data needed for accurate flight plan calculations. d. DEPLOYED SATELLITE COMMUNICATIONS (DSATCOM): The DSATCOM program constitutes the primary acquisition support vehicle for deployed AMC Tanker Airlift Control Element (TALCE) and Mission Support Team (MST) C2 operations. Resources directly support C2 of, and In-Transit Visibility over, deployed and en-route personnel, aircraft, and cargo. FY05 funds will purchase 5 Deployable Rapidly Assembled Shelters (DRASH) and 2 Inter-Theater Comm (ITC) units, providing 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 is comprised of combat controllers (CCT), pararescuemen (PJ), and combat weathermen. ST operators input intelligence, weather, and assault zone assessments into AFSOC's C2 network and receive/relay mission taskings. The C2 program enables personnel to perform special reconnaissance, time critical targeting, survey and assessment, and combat weather forecasting. The C2 systems are necessary for operators to perform austere airfield control, drop zone control, terminal attack control, and personnel and equipment recovery. Funds procure multiple devices to support ST missions such as machine to machine targeting (M2MT); self-healing communications networking devices to link C2 nodes, ST operators, and aircraft into one network; and multi-band multi-mode beacons, which guide aircraft to drop zones, landing zones, or extraction zones to support combat operations. Items requested for FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
GLOBAL C2 ARCHITECTURE							
OWCP	A				\$400		
LAN	A		\$5,159		\$3,607		\$3,811
ACFP	A		\$1,400		\$700		\$700
D. DSATCOM			{\$4,200}		{\$4,200}		{\$4,200}
DRASH	A		\$2,000		\$2,000		\$2,000
ITC	A		\$2,200		\$2,200		\$2,200
2. AFSOC TAC C2 PROGRAM			{\$279}		{\$271}		{\$271}

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
A. 150C RADIOS	A				\$279		\$271		\$271
TOTALS:					\$11,038		\$9,178		\$8,982

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL
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ITEM / 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)									
OWCP									
FY2004(2)			HQ AMC	OPT/FFP	SIEMENS ROLM/VIENNA, VA	Feb-04	Mar-04	Yes	
LAN									
FY2003(3)			HQ AMC	OPT/FP	MULTIPLE	Oct-02	Dec-02		
FY2004(3)			HQ AMC	OPT/FP	MULTIPLE	Oct-03	Dec-03		
FY2005(3)			HQ AMC	OPT/FP	MULTIPLE	Oct-04	Dec-04	Yes	
ACFP									
FY2003(4)			HQ AMC	OPT/FFP	HEWLETT PACKARD/ST LOUIS, MO	Oct-02	Jan-03		
FY2004(4)			HQ AMC	OPT/FFP	HEWLETT PACKARD/ST LOUIS, MO	Oct-03	Jan-04		
FY2005(4)			HQ AMC	OPT/FFP	HEWLETT PACKARD/ST LOUIS, MO	Oct-04	Jan-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL						
ITEM / 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	
D. DSATCOM										
DRASH										
FY2003(5)			HQ AMC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-03	Aug-03			
FY2004(5)			HQ AMC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-04	Aug-04	Yes		
FY2005(5)			HQ AMC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-05	Aug-05	Yes		
ITC										
FY2003(5)			AFMC/ESC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-03	Aug-03			
FY2004(5)			AFMC/ESC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-04	Aug-04	Yes		
FY2005(5)			AFMC/ESC	MIPR/FFP	NAVY - BRITISH AEROSPACE SYSTEMS/UK	Jun-05	Aug-05	Yes		
2. AFSOC TAC C2 PROGRAM										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MOBILITY COMMAND AND CONTROL						
ITEM / 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	
A. 150C RADIOS										
FY2003(6)			HQ AFSOC	MIPR/FFP	MARINE CORP - SIEMENS ROLM/VIENNA, VA	Jan-03	Aug-03			
FY2004(6)			HQ AFSOC	MIPR/FFP	MARINE CORP - SIEMENS ROLM/VIENNA, VA	Jan-04	Aug-04			
FY2005(6)			HQ AFSOC	MIPR/FFP	MARINE CORP - SIEMENS ROLM/VIENNA, VA	Jan-05	Aug-05	Yes		
Remarks:										
<p>(1) Quantities and unit costs vary due to different site configurations/computer items being procured.</p> <p>(2) Option to prior year contract awarded Oct 03 to Siemens Rolm, Vienna, VA.</p> <p>(3) 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.</p> <p>(4) Option to prior year contract awarded Oct 02 to Hewlett Packard, St Louis, MO.</p> <p>(5) Option to existing Navy contract.</p> <p>(6) Option to existing Marine Corp contract.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$79,213	\$55,771	\$93,750	\$77,415	\$89,977	\$63,079	\$44,803
<p>Description:</p> <p>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 world-wide to include active Air Force, Air Force Reserve, and Air National Guard installations. The Air Force 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 eight 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, and unmanned ground/aerial surveillance and detection systems to replace older generation intrusion detection systems at fixed sites, provides relocatable sensors for use on Air Force flightlines, responds to transient security threats, and provides tactical sensors, communications equipment, command & control (C2), physical delay and/or denial devices, engineering, installation, allied support, modeling and simulation, training and program office support. This program also directly supports the Homeland Defense elements of anti-terrorism, counter-terrorism, critical infrastructure protection, intelligence and consequence management. Other physical security delay/denial equipment funded in this program includes remotely operated mobile sensor systems, including the associated unmanned air and/or ground vehicle platforms; directed energy weapons for force protection applications; non-lethal weapons; and remotely-operated weapon mounting and fire control systems.</p> <p>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 protect them. 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/aerial surveillance and detection systems. An on-going Pre-Planned Product Improvement (P3I) Program provides systems capability improvements.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM			
Description 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 world-wide. TASS kit procurement addresses squad, boundary, headquarters and basic starter kit configurations, each containing varying numbers of active, passive, telescope infrared and breakwire sensors, as well as communications equipment, radios, assessment devices, training and associated support equipment. FY05 funding continues procurement and installation of TASS equipment. b) ANTI-TERRORISM: The anti-terrorism program is designed to protect and defend service members, civilian employees, family members, facilities, and other Air Force resources in all locations and situations. Anti-terrorism funds procure intrusion detection systems to protect resources that have been evaluated as potentially soft targets for terrorist attacks. FY05 funding will continue procurement and installation of equipment in support of these anti-terrorism efforts. c) FLIGHTLINE SECURITY: Flightline security equipment reduces risk to Air Force personnel, weapon systems, and facilities deployed on base flightlines. DoD downsizing, reductions in forward basing, and aircraft technology advances have 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. The current TASS contract enables the Air Force to meet flightline security requirements in accordance with the Aerospace Expeditionary Force concept. FY05 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 flightline). In addition, FY05 funds will procure TASS alarms, sensors, annunciators, closed circuit television (CCTV) and night vision equipment in support of the Air Mobility Command (AMC) Raven program. Raven crews are security force personnel responsible for overall aircrew and aircraft force protection when AMC aircraft land on non-DoD controlled airfields throughout the world. d) REPLACE SECURITY FORCE/EOD EQUIPMENT: \$16,593M was added in FY04 Supplemental for Reconstitution of Security Forces and					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM			
Description EOD UTC/LOGDET (Unit Training Code/Logistical Detail Equipment). 2. STRATEGIC SECURITY SYSTEMS: Strategic Security Systems acquire, install, and test exterior and interior intrusion detection, assessment, and alarm reporting systems for Air Force (AF), Air National Guard and AF Reserve installations. Installations and upgrades include engineering, interior/exterior intrusion detection systems (IDS), annunciators, access control systems with accompanying communications upgrades, video storage systems (VSS), 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 (WSAs) are located at Nellis Air Force Base (AFB), NV, Malmstrom AFB, MT, Barksdale AFB, LA, F.E. Warren AFB, WY, Kirtland Underground Munitions Maintenance and Storage Complex (KUMMSC) at Kirtland AFB, NM, Minot AFB, ND, and Whiteman AFB, MO. a) AIR LAUNCH CRUISE MISSILE (ALCM) SECURITY SYSTEMS: These funds procure intrusion detection sensors, alarm annunciators, closed circuit television cameras, and related security system equipment, needed to upgrade and/or replace unsupportable, aging, and obsolete, Air Launch Cruise Missile (ALCM) security command control systems/equipment. FY05 will begin the installation and integration of the perimeter and exterior/interior security system at Barksdale AFB, LA -- a project estimated to cost \$24-30M. FY05 will also continue to provide initial 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 at permanent AF installations worldwide. Permanently-based aircraft and missiles, weapons in depot storage, satellite control facilities, and other key AF assets 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. FY05 will provide for implementation of a phased security system equipment at Barksdale AFB, LA. Because of the complexity, size, weather inhibitors, and infrastructure time-lines, these upgrades are completed in phases. Phases include exterior security upgrades, interior upgrades and annunciators, and technology improvements over two or more years. Technology improvements include, but are not					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM			
Description <p>limited to, 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 reduce security forces manpower gap. In addition to Barksdale AFB, LA, upgrade, FY05 and subsequent year funding will continue to provide planning for fixed site security installations for other AF bases.</p> <p>c) MINUTEMAN SQUADRON SECURITY: FY05 funds procure intrusion detection sensors, alarm annunciators, closed circuit television cameras and program office support to maintain and replace critical Minuteman warhead storage security command and control subsystems that can no longer be supported.</p> <p>d) JOINT STARS (JSTARS): No FY05 funding requested.</p> <p>3. OTHER AIR FORCE 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.</p> <p>a) FLIGHTLINE SECURITY ENHANCEMENT PROGRAM (FSEP): The FSEP provides a 24-hour surveillance, assessment and intrusion detection capability to enhance protection of United States Air Forces Europe (USAFE) flightline areas. This program is being implemented at operating bases throughout the European Theater. Phase 1 installs CCTV and thermal imagers on elevated pan-tilt-zoom mounts and provides a stand-alone capability of flightline surveillance and assessment. Phase 2 will integrate 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 flightline risk. Funds are also being utilized for CCTV and thermal imager system modification/upgrade efforts. These funds provide for annunciator and IDS sensor integration activities, additional IDS sensors for Phase 2 testing and test support. FY05 funding will continue procurement of IDS system integration & test, and start FSEP IDS installation activities.</p> <p>b) JOINT SERVICE INTERIOR INTRUSION DETECTION SYSTEMS (JSIIDS): JSIIDS is used for protection of base resources outside of the</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM			
Description <p>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. FY05 funding will continue procurement and installation efforts at remaining JSIIDS locations (United Kingdom--Royal Air Force (RAF) Fairford, RAF Molesworth/Alconbury, RAF Mildenhall, RAF Lakenheath; Turkey--Incirlik AB; and Germany--Ramstein, Vogelweh, and Sembach).</p> <p>Items requested in FY05 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>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TACTICAL SECURITY SYSTEMS					{\$27,694}		{\$42,987}		{\$32,675}
AIR BASE GROUND DEFENSE	A				\$2,682		\$2,665		\$13,224
ANTI-TERRORISM	A				\$1,813		\$902		\$917
FLIGHTLINE SECURITY	A				\$23,199		\$22,827		\$18,534
REPLACE SECURITY FORCE/EOD EQUIPMENT	A						\$16,593		
STRATEGIC SECURITY SYSTEMS					{\$49,343}		{\$10,711}		{\$59,031}
AIR LAUNCH CRUISE MISSILE	A				\$1,312		\$1,305		\$1,328
FIXED-SITE SECURITY	A				\$44,053		\$8,876		\$57,162

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
MINUTEMAN SQUADRON SECURITY	A				\$535		\$530		\$541
JOINT STARS (JSTARS)	A				\$3,443				
OTHER SECURITY SYSTEMS					{\$2,176}		{\$2,073}		{\$2,044}
FLIGHTLINE SECURITY ENHANCEMENT PROGRAM (FSEP)	A				\$1,812		\$1,803		\$1,774
JOINT SERVICE INTERIOR INTRUSION DETECTION SYS (JSIIDS)	A				\$364		\$270		\$270
TOTALS:					\$79,213		\$55,771		\$93,750

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM						
ITEM / 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(1-3)										
AIR BASE GROUND DEFENSE										
FY2003(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-03	Feb-03			
FY2004(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-04	Feb-04			
FY2005(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-05	Feb-05	Yes		
ANTI-TERRORISM										
FY2003(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-03	Feb-03			
FY2004(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-04	Feb-04			
FY2005(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-05	Feb-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM						
ITEM / 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	
FLIGHTLINE SECURITY										
FY2003(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-03	Feb-03			
FY2004(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-04	Feb-04			
FY2005(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-05	Feb-05	Yes		
REPLACE SECURITY FORCE/EOD EQUIPMENT										
FY2004(4-5)			AFMC/ESC	DO/FFP	MULTIPLE	Feb-04	Mar-04	Yes		
STRATEGIC SECURITY SYSTEMS										
AIR LAUNCH CRUISE MISSILE										
FY2003(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-02	Mar-03			
FY2004(5-7)			AFMC/ESC	DO/CPAF	UNKNOWN	Dec-03	Mar-04			
FY2005(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-04	Mar-05	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM						
ITEM / 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	
FIXED-SITE SECURITY										
FY2004(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-03	Mar-04			
FY2003(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-02	Mar-03			
FY2005(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-04	Mar-05	Yes		
MINUTEMAN SQUADRON SECURITY										
FY2003(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-02	Mar-03			
FY2004(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-03	Mar-04			
FY2005(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Dec-04	Mar-05	Yes		
JOINT STARS (JSTARS)										
FY2003(5-7)			AFMC/ESC	DO/CPAF	MULTIPLE	Jan-03	May-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM						
ITEM / 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	
OTHER SECURITY SYSTEMS(1-2)										
FLIGHTLINE SECURITY ENHANCEMENT PROGRAM (FSEP)										
FY2003(8)			HQ USAFE	OTH/OTH	MULTIPLE	Nov-02	Mar-03			
FY2004(8)			HQ USAFE	OTH/OTH	MULTIPLE	Nov-03	Mar-04			
FY2005(8)			HQ USAFE	OTH/OTH	MULTIPLE	Nov-04	Mar-05	Yes		
JOINT SERVICE INTERIOR INTRUSION DETECTION SYS (JSIIDS)										
FY2003(8)			HQ USAFE	OTH/OTH	MULTIPLE	Nov-02	Jan-03			
FY2004(8)			HQ USAFE	OTH/OTH	MULTIPLE	Jan-04	Feb-04			
FY2005(8)			HQ USAFE	OTH/OTH	MULTIPLE	Jan-05	Feb-05	Yes		
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE PHYSICAL SECURITY SYSTEM						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) Unit costs vary due to various types and quantities of physical security equipment procured for each site.</p> <p>(2) Contract award date listed is the first contract award date. See appropriate note for last contract award date.</p> <p>(3) Locations of PCO varies from AFMC/ESC; AFMC/47TW; HQ Standard Systems Group, Gunter AFB AL; GSA, Ft Worth TX; Department of Energy (DOE) Albuquerque NM; and USAFE Europe.</p> <p>(4) Multiple contract methods and types to include: Delivery Order/Firm Fixed Price contracts: In Oct 97, AFMC/ESC awarded three (3) five-year delivery order contracts to TRW, Carson CA; EER Systems, Seabrook MD; and LAU Technologies, Littleton, MA.</p> <p>(5) GSA/Labor Hour/Delivery Order to Titan System Corporation, Billerica, MA; Gemini Industries, Billerica, MA; BTAS; ACS Defense, Inc., Burlington, MA; and MCR, Billerica, MA.</p> <p>(6) Integrated Base Defense Security System (IBDSS) Contract located at Hanscom AFB. Award dates 25 Aug & 2 Sep 2003. Cost Plus Award Fee Delivery orders to follow. IBDSS Contractors: EER Systems Inc. Chantilly VA. Northrop Grumman Space & Mission Sys, CA, and ABACUS Technology Corp, MD</p> <p>(7) Other typical contractors include BAE, Eglin AFB FL; Diebold, Northridge CA; CECOM, Fort Monmouth NJ; Sandia National Laboratories, Albuquerque NM. Award/delivery dates represent the date of first award/delivery.</p> <p>(8) Task Order/Labor Hour contracts to Kylmar, LTD, Andover UK.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$30,389	\$83,120	\$38,142	\$42,458	\$43,118	\$44,149	\$44,965
<p>Description:</p> <p>This program procures electronic telecommunication and instrumentation equipment/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 crew debriefing and analysis. This program also procures weapons scoring systems, advanced threat simulator systems to satisfy Electronic Warfare (EW) training capability requirements, aircraft/pod interfaces, software interoperability among services' ranges, and the encryption of range/aircraft data links and associated communication devices/connectivity. FY05 funding will continue to upgrade aging systems, and will begin deployment of systems to many units that have not had regular access to modern, high fidelity training systems in the past.</p> <p>1. AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES: FY05 funding provides ground support for the latest generation ACMI pods. FY05 funding will spiral new capabilities into our current systems, and will begin to deploy rangeless systems to units without these high fidelity training capabilities. "Rangeless" training capability permits instruments to provide air combat training that can be accomplished in any available airspace without having to fly over highly instrumented ground ranges. This will provide high fidelity, instrument provided training for aircrews on nearly every sortie.</p> <p>2. AIR COMBAT TRAINING SYSTEMS (ACTS) RANGE IMPROVEMENTS:</p> <p>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 AF 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</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMBAT TRAINING RANGES			
Description aircrew training for airborne laser designators. FY05 funds continue the deployment of these systems to ranges with older, failing systems. 3. ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES: a. MOBILE REMOTE EMITTER SIMULATOR (MRES): No FY05 funds are requested. b. JOINT THREAT EMITTER (JTE): FY05 funding continues JTE development and will fund deployment of this high-fidelity training aid to more locations. The JTE program received \$7,500,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. c. MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P: The Miniature Multiple Unmanned Threat Emitter Sys-M3P program received \$2,500,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. d. TURBO TRAINS: FY05 Funding continues Turbo Trains upgrades to provide effective countermeasure analysis feedback for the warfighters. Provides analysis of the effectiveness of inflight Electronic Counter Measures (ECM) performance for combat aircraft. e. MI ANG THREAT EMITTER: The MI ANG Threat Emitter program received \$5,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. f. 11TH AF G-BAND PEDESTALS UPGRADE: The 11th AF G-BAND Pedestals upgrade program received \$9,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. g. 11TH AF UNMANNED THREAT EMITTER (UMTE): The 11th Unmanned Threat Emitter program received \$7,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMBAT TRAINING RANGES			
Description h. JOINT SIMULATOR UPGRADES: The AF is procuring opposing forces simulator systems for the Joint National Training Capability (JNTC) to meet US Joint Forces Command (JFCOM) requirements. FY05 continues this important Joint Opposing-Force upgrade capability. Development funding for JNTC is in Program Element 84757F. 4. RANGE ELECTRONICS AND TELECOMMUNICATION INFRASTRUCTURE MODERNIZATION: No FY05 funds are requested. a. 11TH AF JAWSS SCORING SYSTEM PROCESSOR: The 11th AF JAWSS Scoring System Processor program received \$7,500,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. b. 611TH RED AIR DEFENSE COMMAND AND CONTROL: The 611th Air Defense Command And Control program received \$4,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. c. MT. FAIRPLAY RADIOS: The Mt. Fairplay Radios program received \$2,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. d. TPS-117 RADAR: No FY05 funds requested. e. 611TH GAKONA RADAR: The 611th Gakona Radar program received \$20,000,000 as a Congressional Add in the FY04 Appropriations Conference Report 108-283, dated 24 Sep 03. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

COMBAT TRAINING RANGES

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
AIR COMBAT TRAINING SYSTEMS (ACTS) UPGRADES	A				\$3,883		\$1,000		\$3,023
AIR COMBAT TRAINING SYSTEMS (ACTS) RANGE IMPROVEMENTS					{ \$4,707 }		{ \$4,100 }		{ \$3,534 }
JOINT ADVANCED WEAPON SCORING SYSTEM (JAWSS)	A				\$4,707		\$4,100		\$3,534
ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES					{ \$16,799 }		{ \$44,520 }		{ \$31,585 }
MOBILE REMOTE EMITTER SYSTEM (MRES)	A				\$7,700				
JOINT THREAT EMITTER	A						\$14,438		\$9,201
MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P	A				\$3,199		\$6,383		\$1,844
TURBO TRAINS	A						\$199		\$840

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMBAT TRAINING RANGES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MI ANG THREAT EMITTER	A						\$5,000		
11TH AF G-BAND PEDESTALS UPGRADE	A						\$9,000		
UNMANNED THREAT EMITTER (UMTE)	A				\$5,900		\$7,000		
JOINT SIMULATOR UPGRADES	A						\$2,500		\$19,700
RANGE ELECTRONICS AND TELECOMMUNICATIONS INFRASTRUCTURE MODERNIZATION					{ \$5,000 }		{ \$33,500 }		
11TH AF JAWSS SCORING SYSTEM PROCESSOR	A						\$7,500		
611TH RED AIR DEFENSE COMMAND AND CONTROL	A						\$4,000		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMBAT TRAINING RANGES
--	--

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MT. FAIRPLAY RADIOS	A						\$2,000		
TPS-117 RADAR	A				\$5,000				
611TH GAKONA RADAR	A						\$20,000		
TOTALS:					\$30,389		\$83,120		\$38,142

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / 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 COMBAT TRAINING SYSTEMS (ACTS) UPGRADES										
FY2003			AFMC/AAC	C/FFP	CUBIC DEF SYS/SAN DIEGO, CA	Jun-03	Mar-04			
FY2004			AFMC/AAC	C/FFP	UNKNOWN	Mar-04	Jan-05	No	Dec-03	
FY2005			AFMC/AAC	C/FFP	UNKNOWN	Mar-05	Jan-06	No	Dec-04	
AIR COMBAT TRAINING SYSTEMS (ACTS) RANGE IMPROVEMENTS										
JOINT ADVANCED WEAPON SCORING SYSTEM (JAWSS)										
FY2003(1)			HQ ACC	MIPR/OTH	MULTIPLE	Mar-03	Nov-03			
FY2004(1)			HQ ACC	MIPR/OTH	MULTIPLE	Mar-04	Nov-04	Yes		
FY2005(1)			HQ ACC	MIPR/OTH	MULTIPLE	Mar-05	Nov-05	Yes		
ELECTRONIC COMBAT THREAT SYSTEMS UPGRADES										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / 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 REMOTE EMITTER SYSTEM (MRES)										
FY2003(3)			HQ ACC	MIPR/OTH	GSA/MULTIPLE	May-03	Apr-05			
JOINT THREAT EMITTER										
FY2004(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES COPORATION/DAYTON, OH	Feb-05	Jan-06	Yes		
FY2005(2)			AFMC/OO-ALC	OPT/FFP	MODERN TECHNOLOGIES COPORATION/DAYTON, OH	Feb-05	Jan-06	Yes		
MINIATURE MULTIPLE UNMANNED THREAT EMITTER SYS-M3P										
FY2003			AFMC/OO-ALC	DO/FFP	HARRIS COPORATION/MELBOURNE, FL	Sep-03	Jul-04			
FY2004			AFMC/OO-ALC	DO/FFP	HARRIS COPORATION/MELBOURNE, FL	Dec-03	Oct-04			
FY2005			AFMC/OO-ALC	DO/FFP	HARRIS COPORATION/MELBOURNE, FL	Feb-05	Feb-06	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / 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	
TURBO TRAINS										
FY2004			AFMC/OO-ALC	C/FFP	EW SYSTEMS/COLORADO SPRINGS, CO	Jan-04	Sep-04			
FY2005			AFMC/OO-ALC	C/FFP	UNKNOWN	Feb-05	Nov-05	Yes		
MI ANG THREAT EMITTER										
FY2004(2)			AFMC/OO-ALC	OPT/FFP	LOCKHEED MARTIN/SYRACUSE, NY	Mar-04	Sep-05	Yes		
11TH AF G-BAND PEDESTALS UPGRADE										
FY2004			AFMC/OO-ALC	C/FFP	UNKNOWN	Jul-04	Mar-06	Yes		
UNMANNED THREAT EMITTER (UMTE)										
FY2003			AFMC/OO-ALC	C/FFP	SIERRA RESEARCH/BUFFALO, NY	Sep-03	Mar-05			
FY2004			AFMC/OO-ALC	C/CPFF	UNKNOWN	Jul-04	Mar-06	Yes		
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
JOINT SIMULATOR UPGRADES										
FY2004(3)			HQ ACC	C/FPAF	MULTIPLE	Feb-04	Apr-05	Yes		
FY2005(3)			AFMC/OO-ALC	C/FFP	UNKNOWN	Feb-05	Apr-06	Yes		
RANGE ELECTRONICS AND TELECOMMUNICATIONS INFRASTRUCTURE MODERNIZATION										
11TH AF JAWSS SCORING SYSTEM PROCESSOR										
FY2004(1)			HQ PACAF	MIPR/OPT/OTH	MULTIPLE	Mar-04	Nov-05	Yes		
611TH RED AIR DEFENSE COMMAND AND CONTROL										
FY2004(4)			HQ PACAF	OTH/OTH	UNKNOWN	May-04	Jun-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / 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	
MT. FAIRPLAY RADIOS										
FY2004(4)			HQ PACAF	OTH/OTH	GSA FSS	Mar-04	Aug-04	Yes		
TPS-117 RADAR										
FY2003(5)			AFMC/ESC	OTH/OTH	LOCKHEED MARTIN/SYRACUSE, NY	Jul-03	Aug-04			
611TH GAKONA RADAR										
FY2004			AFMC/ESC	C/FFP	UNKNOWN	May-04	Aug-04	Yes		
Remarks:										
<p>(1) Joint Advanced Weapons Scoring System (JAWSS) procured by Naval Warfare Assessment Station, Corona, CA and Naval Air Warfare Center, Point Mugu, CA.</p> <p>(2) Basic JTE contract awarded 19 Aug 02 to Modern Technologies Corp.</p> <p>(3) Electronic Combat Threats Systems Upgrades includes multiple contract methods and types, to include options to existing contracts, sole source</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT TRAINING RANGES						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>and MIPRs. Representative contractors include Harris Corp., Melbourne, FL; Sierra Technologies, Inc., Buffalo, NY; and, EW Systems, Colorado Springs, CO.</p> <p>(4) Multiple contractors include: Computer Cabling of GA, Myrna, GA; The Presidio Corp., Lanham, MD; Devona Bell, Carol Stream, IL; Alcatel USA Marketing, Longview, TX; Vbrick, Wallingford, CT; Wyandotte Net Tel, Wyandotte, OK; Agilent Technologies Inc., Palo Alto, CA; General Dynamics Gov't Systems Corp., Needham, MA.</p> <p>(5) TPS 117 Radar awarded 31 Jul 03 to LOCKHEED MARTIN CORP, SYRACUSE, NY</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: C3 COUNTERMEASURES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,093	\$11,548	\$11,812	\$12,031	\$11,665	\$12,236	\$12,577
<p>Description:</p> <p>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 and includes two facets, information-in-warfare and information warfare (IW). IW consists of actions conducted to attack an adversary's information and information systems while defending one's own.</p> <p>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 (computer, communications, and unique intelligence and analysis systems) vital to accomplishing and supporting those organizations' IW and C2W missions. Elements of the program are addressed individually below.</p> <p>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:</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: C3 COUNTERMEASURES			
Description <p>a. AUTOMATED DATA PROCESSING (ADP) UPGRADES: Replaces or upgrades basic AFIWC internal computer infrastructure and network requirements for administrative and management functions.</p> <p>b. COMMAND AND CONTROL WARFARE (C2W) OPERATIONS SUPPORT: Procures equipment to meet Program Management Directive 1039 (USAF Command, Control and Communications Countermeasures (C3CM) Operational Support System) requirements, which directs continued development of an AF C3CM system (CONSTANT WEB) to include analysis of all-source intelligence data, database production, and delivery of data, database services, and support to operational mission planners and C3CM execution elements.</p> <p>c. INFORMATION WARFARE: Procures computer and computer-related equipment to support the integration of IW decision aids into combat planning and execution cycles.</p> <p>d. OFFENSIVE IW: Continues the procurement of computer, computer-related memory storage, local and long-haul communications, contractors, 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 Air Force and Information Operations personnel for the integration and execution of tools necessary to gain, exploit, defend, and attack information and information systems.</p> <p>e. ELECTRONIC WARFARE (EWIR): FY05 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.</p> <p>f. COMPUTER NETWORK DEFENSE (CND) SUPPORT: FY05 funds procure CND which provides Defensive Counter Information capability</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: C3 COUNTERMEASURES			
Description to protect AF computer systems and their information against unauthorized intrusion, corruption, and/or destruction, be it deliberate or unintentional. This program contains AFIWC and 67 IOW programs and initiatives to protect AF computers, whether they are stand-alone, networked, telephone switches, or embedded in weapon systems, and provide IW threat predictions for AF systems. g. IO TRAINING EQUIPMENT: No FY05 funds are requested. 2. 67th INFORMATION OPERATIONS WING SUPPORT: The 67 IOW, Lackland AFB TX, conducts 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. TELECOMMUNICATIONS MONITORING AND ASSESSMENT PROGRAM (TMAP): FY05 funding provides systems equipment to monitor digital voice, data and facsimile in an integrated package. Specifically, these funds will be used to complete the analog-to-digital switch conversion, upgrade existing 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 ESSA monitoring teams. b. COMPUTER NETWORK DEFENSE: FY05 funds will be used by the AF Computer Emergency Response Team (AFCERT) to continue to modernize the internal information technology infrastructure supporting the Computer Network Defense (CND) mission. The first two initiatives, modernization of network servers and CND analyst workstations, will continue efforts began in FY03 and provide faster, more efficient monitoring of network intrusion activity. The third initiative focuses on mission survivability and development of contingency systems providing full mission redundancy. The combination of these efforts will ensure the CND infrastructure maintains pace with the growing number of network intrusion attempts and provide for continued security of the operational networks. 3. JOINT INFORMATION OPERATIONS CENTER (JIOC): The JIOC provides joint force commanders (combatant commanders, subordinate unified					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: C3 COUNTERMEASURES			
Description <p>commanders, and joint task force commanders), service component commanders, and functional component commanders direct 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 enhanced 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 JIOC 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.</p> <p>a. ELECTRONIC COMBAT (EC) ANALYST NETWORK: 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.</p> <p>b. COMBAT ANALYSIS SYSTEM: Funding provides field commander support systems, including automated support systems for IO training.</p> <p>c. FIELD COMMANDERS SUPPORT: 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).</p> <p>d. COMPUTER TRAINING SIMULATION: Funding provides for computer hardware, which hosts IO planning analysis tools used for training at centers worldwide.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: C3 COUNTERMEASURES			
Description e. IO RED TEAM SUPPORT: 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. A reduction or loss in funding would severely hamper support to joint force, service, and functional component commanders in C2W/IO support. Specifically, the lack of funding would result in the following: (1) Inability to replace computer systems to host training simulations in gaming centers worldwide; (2) Extremely limited upgrades to multi-processor which would degrade performance and significantly delay interoperability with virtual simulations; (3) Severe restriction in the use of IO computer models for field Commander Targeting Support and IO Red Team vulnerability assessments; (4) No replacement of combatant commander support team deployable workstations with state-of-the-art technology and equipment; and (5) A dramatic restriction in Protect/Defense support. Items requested in FY05 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

C3 COUNTERMEASURES

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
AFIWC SUPPORT					{ \$10,474,000 }		{ \$8,369,000 }		{ \$8,477,000 }
ADP UPGRADES	A				\$288,000		\$298,000		\$305,000
C2W OPS SUPPORT	A				\$333,000		\$335,000		\$340,000
INFORMATION WARFARE	A				\$2,150,000		\$2,547,000		\$2,620,000
OFFENSIVE IW	A				\$4,363,000		\$1,705,000		\$1,720,000
EWIR	A				\$1,358,000		\$1,397,000		\$1,412,000
COMPUTER NETWORK DEFENSE SUPPORT	A						\$2,087,000		\$2,080,000
IO TRAINING	A				\$1,982,000				
67TH INFO OPS WING SUPPORT					{ \$3,478,000 }		{ \$1,466,000 }		{ \$1,567,000 }
TMAP	A				\$1,496,000		\$1,126,000		\$1,150,000
COMPUTER NETWORK DEFENSE	A				\$1,982,000		\$340,000		\$417,000
JIOC					{ \$3,141,000 }		{ \$1,713,000 }		{ \$1,768,000 }
EC ANALYST NETWORK	A				\$603,000		\$321,000		\$337,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: C3 COUNTERMEASURES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMBAT ANALYSIS SYSTEM	A				\$1,809,000		\$1,000,000		\$1,020,000
FIELD COMMANDERS SUPPORT	A				\$190,000		\$106,000		\$110,000
COMPUTER TNG SIM	A				\$349,000		\$186,000		\$201,000
IO RED TEAM SUPPORT	A				\$190,000		\$100,000		\$100,000
TOTALS:					\$17,093,000		\$11,548,000		\$11,812,000

Remarks:

Cost information is in actual dollars.

1. Multiple quantities and/or unit costs associated with C3 Countermeasures equipment.
2. The AIA is the primary contracting office (PCO) for these Countermeasure items. Multiple contracts with varying award and delivery dates exist to procure the various types of equipment throughout the fiscal years. Typical contractors involved are: Silicon Graphics, Mountain View CA; Loral, Las Vegas NV; Raytheon, Galeta CA; L3 Communications Corp, Camden NJ; and Southwest Research Inc (SWRI), San Antonio TX.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$12,918	\$17,020	\$18,614	\$16,894	\$15,152	\$6,357	\$6,460
<p>Description:</p> <p>Global Combat Support System - Air Force Family of Systems (GCSS-AF FoS) includes standard Air Force-wide base level combat support applications to provide warfighters with a "one update-one time" processing environment. These systems provide a key support foundation to the Air Force's global engagement strategy and capabilities through GCSS-AF.</p> <ol style="list-style-type: none"> 1. CARGO MOVEMENT OPERATIONS SYSTEM (CMOS): Capable of supporting routine and surge requirements, CMOS automates base shipping and deployment processes, produces movement documentation, and furnishes timely information to Major Commands (MAJCOMs), transportation component commands, and the joint deployment community. CMOS not only serves as the AF's base level system for command and control of cargo and passenger movements, but contributes significantly to the Global Transportation Network (GTN), the Department of Defense system for in-transit visibility. FY05 funds provide Radio Frequency (RF) Data Collection technology hardware to enable current hand-held terminals to scan 2-Dimensional (2-D) bar-coded shipping documents and transmit the data electronically via RF to the CMOS server for processing. The CMOS program also provides funding for other Automatic Identification Technology (AIT) hardware such as optical memory cards, RF identification tags, common access cards, and printers used for 2-D barcode labels. Funding is also allocated for implementation of the newly developed deployable/stand-alone CMOS capability to be fielded via deployable laptops and printers. 2. WING AUTOMATIC DATA PROCESSING (ADP) SUPPORT (WAS): This program provides for Life Cycle Management of Standard Base Level Computer (SBLC) systems at AF installations worldwide. During both peace and wartime contingencies, all active duty AF bases are sustained and maintained with hardware/software tools and services. This ensures effective communications between users and mainframe computers. Furthermore, support extends to flight line maintenance, supply, accounting and finance, budget, and personnel service systems. Additionally, Air National Guard, AF 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS			
Description <p>Reserve installations, and Defense Enterprise Computing Centers (DECCs) receive this same support to ensure a common operating environment of interoperability. This program maintains base computer capabilities but does not develop new systems or application code. FY05 funding continues to provide hardware upgrades and communication interfaces.</p> <p>3. FUELS AUTOMATED MANAGEMENT SYSTEM (FAMS): FAMS provides a data collection/information management system on fuel systems using state-of-the-art microcircuit technology to automate the management and control of vital petroleum support operations. FAMS provides numerous mission-related benefits, including: (1) assures inventory visibility of this critical war fighting commodity; (2) reduces accounting error rates; (3) mitigates personnel and property risks by eliminating fuel spills; (4) reduces USAF fuels management manpower; and (5) provides accurate data to support war planning. One hundred thirteen (113) manpower positions were previously taken out of the AF budget based on projected FAMS savings. FAMS eliminates much of the paperwork and manual input required for current fuels management processes, providing total asset visibility while improving cash flow, credit management, and permitting just-in-time deliveries of fuel supplies. The system consists of three hardware components that collect fuel transaction and inventory data at base level for service stations (Automated Fuels Service Stations (AFSS)), storage tanks (Automatic Tank Gauging (ATG) devices), and aircraft refueling systems (Automated Data Collection/Fuel Dispensing System (ADC/FDS) point of sale (POS) devices). In addition, FAMS provides an information management system that supports all users. At the AF level, FAMS enhances the aviation fuel tracking/billing system. FY05 funding continues the installation of 308 ATG devices and 3,170 ADC/FDS POS devices worldwide.</p> <p>4. FINANCIAL INFORMATION RESOURCE SYSTEM (FIRST): FIRST is the foundation for the AF's Planning, Programming, Budgeting and Execution System (PPBE). The system, which is being developed using the spiral development approach and integrated onto the GCSS-AF architecture, includes, for example: Enterprise Data View, Budget Formulation, Funds Management, Budget Execution, and Cost Modeling. Funds in FY05 will procure hardware for deployment of the FIRST application, an effort aimed at providing an integrated, modern, and seamless financial management system that enables authorized users from the Air Staff to base level to plan, program, and execute their budgets. Additionally, FIRST will continue development of legacy systems' functionality.</p> <p>The development funding for FIRST is in PE91538F. FIRST is in post Milestone B and conducting development of the Enterprise Data View, Budget</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS			
Description Formulation, and Web-based Automated Business Services System capabilities. FIRST will be compliant with the Chief Financial Officer Act and DoD's Business Enterprise Architecture. 5. INTEGRATED MAINTENANCE DATA SYSTEM (IMDS): IMDS is an integrated information system for aircraft maintenance and communications-electronics. It will replace numerous legacy systems and interface with many others, cutting across multiple functions to provide maintainers the ability to obtain required information supporting their daily maintenance activities. Managers and commanders will be able to retrieve real-time equipment status from a single system instead of several. All IMDS data will be stored and processed via a central server located within the Defense Information Systems Agency. FY05 funding purchases computer hardware, local area networks and servers, and software licenses in support of testing and fielding of the IMDS. IMDS development is funded in PE78611F, Support Systems Development, and is currently in the Concept and Development Phase of the acquisition lifecycle. IMDS is an ACAT I-AC evolutionary acquisition program that will field a modernized, global USAF maintenance information system on the GCSS-AF Integration Framework. FY05 planned development activities include IMDS and supporting systems/components, such as Enhanced Maintenance Operations Center (EMOC), Advanced Distributed Learning (ADL) and Training Business Area, Functional Baseline (FB), Quality Assurance (QA), Air Force Knowledge Systems (AFKS), and Meta Data Library (MDL). 6. STANDARD PROCUREMENT SYSTEM (SPS)/PAPERLESS CONTRACTING: Previous to FY05, SPS funding was reported in Base Information Infrastructure, P-1 Line 66. SPS consolidates and transforms AF contracting systems and processes as required to support the Business Management Modernization Program. FY05 funding provides for hardware and software related to the Enterprise Architecture for Procurement to support DoD's business and combat support enterprise solutions. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
WING ADP (WAS)	A				\$3,113,000		\$3,102,000		\$2,747,000
CMOS	A				\$1,737,000		\$295,000		\$574,000
FAMS	A				\$8,068,000		\$9,222,000		\$9,106,000
FIRST	A						\$1,868,000		\$725,000
IMDS	A						\$2,533,000		\$2,577,000
SPS	A								\$2,885,000
TOTALS:					\$12,918,000		\$17,020,000		\$18,614,000

Remarks:
Cost information is in actual dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
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ITEM / 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	
CMOS										
FY2003(1)			AFMC/SSG	OPT/FP	MULTIPLE	Jun-03	Aug-03			
FY2004(1)			AFMC/SSG	OPT/FP	MULTIPLE	Jun-04	Aug-04	Yes		
FY2005(1)			AFMC/SSG	OPT/FP	MULTIPLE	Jun-05	Aug-05	Yes		
WING ADP (WAS)										
FY2003(2)			AFMC/SSG	OPT/FP	MULTIPLE	Oct-02	Nov-02			
FY2004(2)			AFMC/SSG	OPT/FP	MULTIPLE	Oct-03	Nov-03			
FY2005(2)			AFMC/SSG	OPT/FP	MULTIPLE	Oct-04	Nov-04	Yes		
FAMS										
FY2003(3)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Oct-02	Dec-02			
FY2004			AFMC/WR-ALC	OPT/FP	MULTIPLE	Oct-03	Sep-04			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS						
ITEM / 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(3)			AFMC/WR-ALC	OPT/FP	MULTIPLE	Oct-04	Sep-05	Yes		
FIRST										
FY2004(4)			11WING	OPT/CPAF	MULTIPLE	Aug-04	Mar-05	Yes		
FY2005(4)			11WING	OPT/CPAF	MULTIPLE	Aug-05	Mar-06	Yes		
IMDS										
FY2004(5)			AFMC/SSG	OPT/FP	MULTIPLE	May-04	Jul-04	Yes		
FY2005(5)			AFMC/SSG	OPT/FP	MULTIPLE	May-05	Jul-05	Yes		
SPS										
FY2005(6)			AFMC/SSG	DO/FFP	MULTIPLE	Oct-04	Jan-05	Yes		
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE FAMILY OF SYSTEMS						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>Quantity/unit costs vary depending on site configuration</p> <p>(1) Options to multiple contracts to include: FY00 Automatic Identification Technology II contract with Symbol 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.</p> <p>(2) Options to multiple GSA Schedule contracts. Award/delivery dates represent the date of first award and delivery.</p> <p>(3) Options to multiple contracts to include the following companies: Syn-Tech, Tallahassee, FL; Trans-Flo Instruments Ltd, United Kingdom; Alsom Automation Systems, Cannonsburg, PA; Barton Instrument Systems, City of Industry, CA. Award/delivery dates represent the date of first award/delivery.</p> <p>(4) Options to multiple contracts to include the following companies: Management Information Systems, Inc. - McLean, VA; GTSI - Chantilly, VA. Award/Delivery dates represent the date of first award/delivery.</p> <p>(5) Multiple GSA schedule contractors, including Electronic Data Systems (EDS), Herndon, VA; General Analytics Corp, McLean, VA; HSF Inc, McLean, VA; GTE, West Lake, CA; IBM, Bethesda, MD; PRC, San Antonio, TX; Toshiba American, Irvine, CA; FGM Inc, Herndon, VA; Computer Science Corp (CSC), Hanover, MD; Systems Research & Applications (SRA), Arlington, VA; Comteq Federal, Rockville, MD; Comnet Sciences, Shearwater, NJ; Dynamix, Largo, MD; Compstore, Chantily, VA; Pacific Radio Electronics, Hollywood, CA; Professional Products, Bethesda, MD; Newark Electronics, Bethesda, MD; Logicon Tech, San Pedro, CA, and ORACLE, Redwood Shores, CA. Award/delivery dates reflect date of first award and delivery.</p> <p>(6) Multiple contractors will be used to satisfy requirements.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER BATTLE MANAGEMENT C2 SYSTEM				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$55,197	\$50,320	\$44,669	\$42,583	\$33,130	\$38,499	\$38,025
<p>Description:</p> <p>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 Operations Center (AOC) (force level) and unit level (operations and intelligence functions). TBMCS is the United States joint standard system 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 that tightly streamlines the flow of information. The development funding for Theater Battle Management C2 System is in PE 27438F, BPAC 674790.</p> <p>This program purchases COTS equipment to satisfy Air Force requirements for automated support of command and control (C2) functions at both force and unit level 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.</p> <p>TBMCS funds procure 1) a full complement of fully configured equipment for initial unit level operations installations at one site in FY05; 2) fully configured hardware upgrades for fielded force and unit level (operations and intelligence) installations necessary to sustain operations; 3) required software licenses, Type 1 training, interim contractor support, contract engineering, and system program office support associated with the fielding of TBMCS software spirals.</p> <p>Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: THEATER BATTLE MANAGEMENT C2 SYSTEM								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TBMCS (1-3)							{\$30,582}			{\$23,322}			{\$22,356}
FORCE	A						\$16,205			\$12,488			\$13,060
UNIT	A						\$10,775			\$8,984			\$7,446
CIS (INTEL)	A						\$3,602			\$1,850			\$1,850
COTS SOFTWARE LICENSES							\$9,046			\$8,150			\$7,650
TYPE 1 TRAINING (1)							\$1,799			\$4,992			\$5,829
INTERIM CONTRACTOR SUPPORT (ICS) (1-2)							\$2,400			\$1,500			\$1,480
SYSTEM ENGINEERING (3)							\$5,473			\$6,400			\$2,017
PROGRAM SUPPORT							\$5,897			\$5,956			\$5,337
TOTALS:							\$55,197			\$50,320			\$44,669
Remarks: Total Cost information is in thousands of dollars. (1) Type 1 Training & ICS are ongoing requirements driven by installation schedule & frequent software releases consistent with Spiral development. Starting in FY04, training funds reestablished within WSC 834520.													
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: THEATER BATTLE MANAGEMENT C2 SYSTEM									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>(2) Interim Contractor Support is provided to both TBMCS Force and Unit via a team of Subject Matter Experts (SMEs). This team supports Initial fielding efforts as well as new Spiral releases to existing TBMCS locations.</p> <p>(3) Funds realigned to 3600 (PE 27438F, BPAC 674790) to fund test support.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: THEATER BATTLE MANAGEMENT C2 SYSTEM
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ITEM / 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									
FY2003(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-02	Dec-02		
FY2004(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-03	Dec-03		
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-04	Dec-04	No	Aug-04
UNIT									
FY2003(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-02	Dec-02		
FY2004(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-03	Dec-03		
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-04	Dec-04	No	Aug-04
CIS (INTEL)(1)									
FY2003(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Nov-02	Jan-03		
FY2004(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-03	Jan-04		
FY2005(1-2)			AFMC/ESC	OPT/IDIQ	GSA/MULTIPLE	Oct-04	Jan-05	No	Aug-04

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: THEATER BATTLE MANAGEMENT C2 SYSTEM						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>Remarks:</p> <p>(1) Varying quantities and unit costs due to number/types of equipment being procured for specific sites. Sites include Air Combat Command, PACAF, USAFE and AFSOC.</p> <p>(2) Multiple GSA contracts, including the CITPAD, for commercial off-the-shelf equipment are used. Companies include World Wide Technology (WWT), Government Technology Services, Inc. (GTSI) and DELL Incorporated. Award/Delivery dates reflect date of first award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR OPERATIONS CENTER				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$0	\$45,613	\$43,269	\$60,462	\$62,207	\$135,359	\$48,989
<p>Description:</p> <p>The Air & Space Operations Center-Weapon System (AOC-WS), AN/USQ-163 Falconer, is the senior element of the Theater Air Control System (TACS). It is the weapon system that the Joint Forces Air Component Commander (JFACC) uses 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. The JFACC provides air and space support to the Joint Forces Commander (JFC) by coordinating, deconflicting, and assessing the progress of various weapon systems to advance the JFC's campaign. The AOC weapon system also provides Time Critical Targeting Functionality (TCTF), which improves C2 capability to locate and pursue time critical targets. The Air Force must improve the existing C2 capabilities of the AOC-WS by leveraging technology to modernize current systems and automate C2 and Intelligence, Surveillance, and Reconnaissance (ISR) processes.</p> <p>1. AOC-WS PROGRAM: The AOC-WS program provides system hardware, software, technical documents and technology refresh to make the AOC a viable weapons system. The program consists of five full Falconer AOC-WSs, two Training & Innovation AOC-WSs, six Functional AOC-WSs and six Training Capabilities. 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. Block 10.1 deliveries, encompassing 81 separate sub-systems, will include initial hardware/software procurement, technical manuals, training, and required technology refresh to the Falconer and Training Suite sites only. These increments will be fielded to all AOC-WS sites. Development funds for this program is in Program Element Code 27410F.</p> <p style="padding-left: 40px;">a. BLOCK FIELDING: FY 05 funding will be used to field and standardize all full capability AOC-WSs (Falconers), the AOC-WS Formal Training Unit (FTU), and the Help Desk at the Block 10.1 configuration. The FY05 Fielding activity is government-led.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR OPERATIONS CENTER			
Description <p>Numerous independent systems across the entire spectrum of C2, communications, and ISR battle management comprise the robust, fully functioning AOC-WS. The Government will use a Lead System Integrator to support fielding efforts.</p> <p>b. TECH REFRESH: The AOC-WS program plans to provide and maintain state-of-the-art weapon systems. Technically advanced hardware and software will replace aging components to maintain information dominance, operational integrity, and currency. FY05 funds will be used to provide technical refresh to currently fielded AOC-WSs at Al Udeid AB, Qatar and the Formal Training Unit at Hurlburt Field, Florida.</p> <p>c. TECHNICAL DOCUMENTATION: The Technical Documentation Program provides technical orders, flight manuals, and other required directives to the warfighter. The Technical Documentation Program supports safe and secure operations, installation, maintenance, and sustainment of the AOC Weapon System. In addition, technical documentation is critical to maintaining system configuration and deriving training requirements for the weapon system. Over the Future Years Defense Program (FYDP) the entire set of technical documentation will be developed, published, and delivered to the users. Processes and procedures will be put in place to update and maintain the documentation to ensure warfighters have the most current and accurate directives. FY05 funds will be used to procure Flight Manuals.</p> <p>2. COMBINED AIR & SPACE OPERATIONS CENTER EXPERIMENTAL (CAOC-X), part of the Air Force Transformation Center (AFTC): The CAOC-X at Langley AFB, VA, develops, integrates, and tests AOC Weapon System 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. This information will be used to refine and enhance candidate technologies prior to operational fielding.</p> <p>3. TIME CRITICAL TARGETING FUNCTIONALITY (TCTF): TCTF is an integrated set of automated decision aids / tools that enable successful prosecution of Time Sensitive Targets (TSTs) with key functionalities to include Terrain Analysis (TA), Intelligence Preparation of the Battlespace (IPB), Tracking and nominating multiple TSTs, and Weapon Target Pairing (WTP). Current systems do not meet warfighter requirements for identifying TCTs and</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR OPERATIONS CENTER		
Description tasking strike assets within the limited window of vulnerability. TCTF funding provides enhanced C2 capabilities in the form of integrated workstations, servers, mass storage devices, printers, and other connectivity equipment, to find, fix, track, target, engage, and assess time critical targets TCTs. 4. INTELLIGENCE SURVEILLANCE RECONNAISSANCE (ISR) MANAGER: This application has been integrated into block fielding (para 1A). Items requested in FY05 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.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: AIR OPERATIONS CENTER								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
1. AOC PROGRAM													
A. BLOCK FIELDING	A									\$34,591			\$32,516
B. TECHNICAL REFRESH	A												\$4,230
C. TECHNICAL DOCUMENTATION	A									\$2,000			\$3,230
2. COMBINED AIR & SPACE OPERATIONS CENTER(CAOC-X)										{\$2,858}			{\$1,492}
CAOC-X	A									\$2,858			\$1,492
3.. TIME CRITICAL TARGETING FUNCTIONALITY (TCTF)										{\$6,164}			{\$1,801}
TIME CRITICAL TARGETING FUNCTIONALITY	A									\$6,164			\$1,801

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: AIR OPERATIONS CENTER									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
TOTALS:											\$45,613			\$43,269
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>1. Quantity and Unit Cost vary due to unique AOC site configurations and capabilities.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: AIR OPERATIONS CENTER
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ITEM / 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. AOC PROGRAM(1)									
A. BLOCK FIELDING									
FY2004(2-3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Nov-03	Jan-04		
FY2005(3)			AFMC/ESC	C/FPAF	UNKNOWN	Nov-04	Jan-05	Yes	
B. TECHNICAL REFRESH									
FY2005(3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Nov-04	Jan-05	Yes	
C. TECHNICAL DOCUMENTATION									
FY2004(2-3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Nov-03	Dec-03		
FY2005(3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Nov-04	Dec-04	Yes	
2. COMBINED AIR & SPACE OPERATIONS CENTER(CAOC-X)(1)									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR OPERATIONS CENTER						
ITEM / 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										
FY2004(2-3)			HQ ACC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Jan-04	May-04			
FY2005(3)			HQ ACC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Jan-05	May-05	Yes		
3.. TIME CRITICAL TARGETING FUNCTIONALITY (TCTF)(1)										
TIME CRITICAL TARGETING FUNCTIONALITY										
FY2004(2-3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Jan-04	May-04			
FY2005(3)			AFMC/ESC	MIPR/OPT/IDIQ	GSA/MULTIPLE (1)	Jan-05	May-05	Yes		
Remarks:										
<p>(1) Quantity and Unit Cost vary due to unique AOC site configurations and capabilities.</p> <p>(2) Contractors for TCT-F are Zel Technologies, Hampton VA, and MITRE-Bedford, MA. Contractors for CAOC-X are MITRE-Bedford, MA and Lockheed Martin, Colorado Springs, CO.</p> <p>(3) The Lead System Integrator (LSI) effort is not yet fully prescribed. In lieu of an LSI contract, the AOC will contract via MIPR/OPT/IDIQ GSA/Multiple.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$211,196	\$287,459	\$423,972	\$608,326	\$654,865	\$777,710	\$812,523
<p>Description:</p> <p>The Base Information Infrastructure (BII) procurement line supports Air Force downward directed corporate requirements from the Air Staff level. At the present time, Base Information Infrastructure (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, Air Force Systems Networking (AFSN), Operationalizing and Professionalizing the Network (OPTN), Common Access Card, and Air Force Directory Service. Increases in FY05 funding represent an Air Force corporate commitment to increase the number of operational users being migrated to classified networks to increase information assurance capabilities during a time of ever-increasing threats.</p> <p>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 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 forward footprint-push/pull information capability and impede proactive information protection countermeasures to support collaborative information exchange. The program includes three product areas which are centrally funded and managed by the CITS Program Office. The product areas are described below:</p> <p style="margin-left: 20px;">a. INFORMATION TRANSPORT SYSTEM (ITS): The ITS product area implements and keeps technologically current a broad-band, fiber-optic digital information transport network to provide near-instantaneous information transfer for each base and selected geographically separated units (GSUs).</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE			
Description <p>The system 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 media, incorporated as technology and funding 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. The system will further expand the Secure Internet Protocol Router Network (SIPRNET) infrastructure, the backbone to joint and coalition warfighting. FY05 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, training, test, and support. Any delay in ITS installation will impact the schedules of several C2 and combat support automation modernization programs dependent upon the in-place fiber optic ITS infrastructure.</p> <p>b. NETWORK OPERATIONS/INFORMATION ASSURANCE (NO/IA) (formerly known as NETWORK MANAGEMENT SYSTEM/BASE INFORMATION PROTECT (NMS/BIP): The NO/IA product area delivers and keeps technologically current a modern network management system for base Network Control Centers, MAJCOM Network Operations and Security Centers, and Air Force enterprise entities (AF Network Operations Center, AF Computer Emergency Response Center, and the Air Force Network Operations and Security Center (AFNOSC)). NO/IA supports the International Standards Organization's (ISO) five network management functions: fault management, configuration management, performance management, accounting management, and security management. The products assure integrity of information systems in the face of attack and assist with defense against cyber attacks on critical defense-related infrastructure. NO/IA 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. The 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). The efforts in this product area will begin to close all known holes in the AF's protective net by 2007, deploy analytical suites, develop automated tools to dynamically detect and respond to network intrusions, develop the roadmap for creating 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. FY05 funds procure direct mission support and continue the installation and support of critical information equipment capabilities for classified and unclassified, in fixed-based and deployed installations worldwide.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE			
Description c. VOICE SWITCHING SYSTEM (VSS): The VSS product area, formerly Digital Switch System (DSS), 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. The increased capacity and standard interfaces of new or upgraded equipment (dial central offices, information transport nodes, remote switching centers, private branch exchanges, etc.) will improve intrabase connectivity and capability to move information worldwide. FY05 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. d. TELECOMMUNICATIONS MANAGEMENT SYSTEM (TMS): This product area acquires, fields, and supports an automated Telecommunications Management System (TMS) integrating telephone subscriber, connectivity, and equipment data. TMS uses a secure client/server architecture and a relational database to increase productivity while reducing cost. System functionality includes charge-back billing, automated call collection and fault management, unattended call rating, configuration management, telephone directory generation, online directory assistance, and extensive tracking and reporting options. FY05 funds direct mission support and procure upgrades and management systems for 380 switches and switch upgrade projects in the AF inventory bringing them to the manufacturer's current release. 2. NETWORK CONNECTIVITY: Resources will be focused annually on providing critical infrastructure support and connectivity to a variety of Air Force C2 and Air Traffic Control systems based on ongoing operational mission needs. HQ USAF/XI Warfighting Integration is directing the implementation of these improvements to better link sensor-to-shooter information flow and to significantly shorten the "kill-chain" cycle between the time a target is identified and the time weapons are placed on target. FY05 funds provide network routers, hubs, and internal building wiring to connect new systems to the fiber optic backbone provided by CITS. Funding will also be used to support the creation of a Network Common Operational Picture that provides situational awareness to base, MAJCOM, and Air Force network control and security personnel and commanders. 3. PUBLIC KEY INFRASTRUCTURE (PKI): PKI provides non-repudiation, user identification, and confidentiality for government electronic business. FY05 funds procure infrastructure computers and Air Force-wide public/private key hardware/software needed to generate, certify, and distribute					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE			
Description public/private key pairs for computer applications requiring information assurance capabilities (digital signatures and data encryption). Funds support the initial stand up and operational support of registration, training and awareness, directories for certificates, and end user hardware and software required to support Air Force implementation of DoD PKI. The PKI Program line includes funds for the AF's portion of DOD Common Access Card requirements, oversight of the DOD Biometric Program, and support for the implementation of Biometrics into the Air Force. 4. GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE (GCSS-AF): While GCSS-AF Family of Systems (P-1 Line 63) provides funding for a variety of functional user systems, Base Information Infrastructure (P-1 Line 66) provides funding for GCSS-AF's Integration Framework and the AF Portal presentation layer to AF operational users. The Portal provides AF users worldwide a standard security and single sign-on for accessing a variety of functional systems. Additional security features using Public Key Infrastructure and Directory Services will be integrated into the overall framework so security will not have to be duplicated in each of the functional systems being modernized under P-1 line 55, GCSS-AF Family of Systems. a. GCSS-AF ARCHITECTURE: FY05 funding procures the integration framework (architecture) to be fielded AF-wide. The current plan calls for fielding the framework at three Defense Information Systems Agency (DISA) Defense Enterprise Computing Centers, one each in CONUS, Europe, and Asia with possible expansion to two or more CONUS sites. Fielding will install application, security, web, messaging, and proxy servers, software, and associated licenses at the chosen sites. Additionally, fielding will provide six "ship sets" of deployable hardware and software. b. CHIEF FINANCIAL OFFICER (CFO) SYSTEMS AND SUPPORT: CFO Systems and Support is comprised of two efforts. Commander's Resource Integration System (CRIS), provides an extensive data base capability which includes accounting, logistics, and operational data. The system is currently deployed to each MAJCOM and will continue deployment to bases over FY05. The deployment and expansion of the data base for increased data storage will require the purchase of additional servers. The second effort, IAW the SECAF and CSAF Server Consolidation Initiative, is the year-to-year capital replacement on all CFO systems (Automated Business Services Systems, Leave Web, CRIS). This replacement plan prevents mechanical and technological obsolescence.					
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Description <p>c. STANDARD PROCUREMENT SYSTEM (SPS): No FY05 funds requested.</p> <p>5. AIR FORCE SYSTEMS NETWORKING (AFSN): No FY05 funds requested.</p> <p>6. INFORMATION SYSTEM SECURITY PROGRAM (ISSP). FY 05 funding provides for modernization and implementation of base information protection 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, 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.</p> <p>7. ALASKA WIDE LAND MOBILE RADIO (LMR) PROGRAM. In FY04, Congress added \$10.4M for this program. Reference Appropriations Conference Report 108-283, 24 Sep 03. Funds will continue to develop the North Zone infrastructure and provide additional subscriber equipment needs. No FY05 funds are requested.</p> <p>8. JOINT NETWORK MANAGEMENT SYSTEM (JNMS). FY05 funding recognizes JNMS as a separate program from within the CITS program. 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 & engineering; network monitoring, control, and reconfiguration; spectrum planning and management; and 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 re-deploying to meet changing mission requirements. FY 05 funds procure direct mission support and installation of critical information equipment capabilities for Joint Network Operations worldwide.</p>					
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Description					
<p>9. PACAF C2 NETWORK MODERNIZATION AND REVITALIZATION. In FY04, Congress added \$7.8M for this initiative. Reference Appropriations Conference Report 108-283, 24 Sep 03. The C2 Network Modernization and Revitalization will purchase layer 1 materials for classified infrastructure (i.e. switches, fiber, cabinets) and convert communication closets that currently host SIPRnet connectivity to secure communications rooms. No FY05 funds requested.</p>					
<p>10. COMMON ACCESS CARD (CAC). FY05 funding recognizes CAC as a separate program from within the PKI program. The CAC is the standard DoD identification card for visual identification and for gaining physical access to buildings and controlled spaces. It contains DoD PKI certificates that enable cardholders to digitally sign and encrypt electronic documents such as email and to establish secure Internet sessions.</p>					
<p>11. AIR FORCE DIRECTORY SERVICES (AFDS). FY05 funding recognizes AFDS as a separate program from CITS and PKI programs. AFDS creates the critical identity management foundation that provides the security service and backbone for Air Force in-garrison networks and enterprise systems and applications. The program leverages a meta-directory service capability that will provide decision makers access to the right information, at the right place, at the right time. The initial focus of the program is to manage identity and person data objects, the long-term goal is to provide enterprise directory services beyond personnel to the areas of material, equipment, security services, and applications.</p>					
<p>12. AQUISITION CENTER OF EXCELLENCE ITS. In FY04, Congress added \$3.0M for this initiative. Reference Appropriations Conference Report 108-283, 24 Sep 03. Funds will install the fiber optic infrastructure backbone for the center. No FY05 funds requested.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
COMBAT INFORMATION TRANSPORT SYSTEM (CITS)					{\$188,415}		{\$219,626}		{\$379,535}
INFORMATION TRANSPORT SYSTEM (ITS)	A				\$128,369		\$107,531		\$222,071
VOICE SWITCHING SYSTEM (VSS) (1)	A				\$31,527		\$21,075		\$25,900
NETWORK MANAGEMENT SYSTEM/BASE INFORMATION PROTECT (NMS/BIP) (2)	A				\$28,519		\$86,020		\$126,564
TELECOMMUNICATIONS MANAGEMENT SYSTEM (TMS)	A						\$5,000		\$5,000
NETWORK CONNECTIVITY	A						\$11,897		\$11,795
PUBLIC KEY INFRASTRUCTURE (PKI)	A				\$4,077		\$8,005		\$2,721
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE					{\$10,757}		{\$15,414}		{\$9,087}
GCSS-AF ARCHITECTURE	A				\$9,662		\$11,421		\$7,947
CFO SYSTEMS AND SUPPORT	A				\$1,095		\$1,103		\$1,140

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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
STANDARD PROCUREMENT SYSTEM (6)	A						\$2,890		
AIR FORCE SYSTEMS NETWORKING	A				\$1,325		\$2,727		
INFORMATION SYSTEMS SECURITY PROGRAM	A						\$8,747		\$9,218
ALASKA WIDE LAND MOBILE RADIO (LMR) PROGRAM	A				\$6,622		\$10,323		
JOINT NETWORK MANAGEMENT SYSTEM (JNMS) (3)	A								\$8,655
PACAF C2 NETWORK MODERNIZATION AND REVITALIZATION	A						\$7,742		
COMMON ACCESS CARD (CAC) (4)	A								\$1,990

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
AIR FORCE DIRECTORY SERVICE (AFDS) (5)	A						\$971
AQUISITION CENTER OF EXCELLENCE ITS	A				\$2,978		
TOTALS:							

Remarks:

Cost information is in thousands of dollars.

- (1) TMS line item has been deleted and incorporated into Voice Switching System
- (2) Changed nomenclature to better define project. From Network Management System/Base Information Protect (NMS/BIP) to Network Operations/Information Assurance (NOIA).
- (3) JNMS program part of NOIA for FY 03 and FY 04. Beginning in FY 05, JNMS becomes a separate line item.
- (4) CAC program part of PKI in FY03 and FY04. Beginning in FY05, CAC becomes a separate line item
- (5) AFDS program funding pulled from PKI and CITS in FY03. Program moved into PE 33112f with program line beginning in FY05
- (6) SPS program transferred to BPAC 834430 (GCSS FoS) to align the program to within the appropriate management structure and ensure funding consistent with the performance of work. No program requirements were impacted by this transfer.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: BASE INFORMATION INFRASTRUCTURE						
ITEM / 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)(1-3)										
INFORMATION TRANSPORT SYSTEM (ITS)										
FY2003			AFMC/ESC	DO/FFP	MULTIPLE	Oct-02	Dec-02			
FY2004			AFMC/ESC	DO/FFP	MULTIPLE	Oct-03	Dec-03			
FY2005			AFMC/HSC	DO/FFP	MULTIPLE	Oct-04	Dec-04	Yes		
NETWORK MANAGEMENT SYSTEM/BASE INFORMATION PROTECT (NMS/BIP)										
FY2003			AFMC/ESC	DO/FFP	MULTIPLE	Oct-02	Dec-02			
FY2004			AFMC/ESC	DO/FFP	MULTIPLE	Oct-03	Dec-03			
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Oct-04	Dec-04	Yes		
VOICE SWITCHING SYSTEM (VSS)										

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ITEM / 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	
FY2003			AFMC/ESC	DO/FFP	MULTIPLE	Oct-02	Dec-02			
FY2004			AFMC/ESC	DO/FFP	MULTIPLE	Oct-03	Dec-03			
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Oct-04	Dec-04	Yes		
TELECOMMUNICATIONS MANAGEMENT SYSTEM (TMS)										
FY2004			AFMC/ESC	DO/FFP	TRW/SAN ANTONIO, TX	Oct-03	May-04			
FY2005			AFMC/ESC	DO/FFP	TRW/SAN ANTONIO, TX	Oct-04	May-05	Yes		
NETWORK CONNECTIVITY										
FY2004(2)			HQ AFCA	DO/FFP	MULTIPLE	Oct-03	May-04			
FY2005(2)			HQ AFCA	DO/FFP	MULTIPLE	Oct-04	May-05	Yes		
PUBLIC KEY INFRASTRUCTURE (PKI)										
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ITEM / 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	
FY2003(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-02	Feb-03			
FY2004(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-03	Jan-04			
FY2005(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-04	Jan-05	Yes		
GLOBAL COMBAT SUPPORT SYSTEM - AIR FORCE										
GCSS-AF ARCHITECTURE										
FY2003(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-02	Feb-03			
FY2004(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-03	Jan-04			
FY2005(2)			AFMC/SSG	DO/FFP	MULTIPLE	Dec-04	Jan-05	Yes		
CFO SYSTEMS AND SUPPORT										
FY2003(2)			11WING	DO/FFP	MULTIPLE	Jan-03	Mar-03			
FY2004(2)			11WING	DO/FFP	MULTIPLE	Feb-04	Mar-04	Yes		

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ITEM / 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)			11WING	DO/FFP	MULTIPLE	Feb-05	Mar-05	Yes		
STANDARD PROCUREMENT SYSTEM										
FY2004(2)			AFMC/SSG	DO/FFP	MULTIPLE	Oct-03	Jan-04			
AIR FORCE SYSTEMS NETWORKING(1-3)										
FY2003			AFMC/SSG	DO/FFP	MULTIPLE	Oct-02	Nov-02			
FY2004			AFMC/SSG	DO/FFP	MULTIPLE	Oct-03	Nov-03			
INFORMATION SYSTEMS SECURITY PROGRAM										
FY2004(2)			AFMC/ESC	DO/FFP	MULTIPLE	Nov-03	Jan-04			
FY2005(2)			AFMC/ESC	DO/FFP	MULTIPLE	Nov-04	Jan-05	Yes		
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ITEM / 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	
ALASKA WIDE LAND MOBILE RADIO (LMR) PROGRAM(2)										
FY2003(2)			HQ PACAF	DO/FFP	MULTIPLE	Mar-03	Jun-03			
FY2004			HQ PACAF	DO/FFP	MULTIPLE	Mar-04	May-04	Yes		
JOINT NETWORK MANAGEMENT SYSTEM (JNMS)(1-3)										
FY2005			AFMC/ESC	DO/FFP	MULTIPLE	Oct-04	Dec-04	Yes		
PACAF G2 NETWORK MODERNIZATION AND REVITALIZATION										
FY2004			HQ PACAF	DO/FFP	MULTIPLE	Dec-03	Jan-04			
COMMON ACCESS CARD (CAC)										
FY2005			AFMC/SSG	DO/FFP	MULTIPLE	Dec-04	Jan-05	Yes		

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ITEM / 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)										
FY2005			AFMC/SSG	DO/FFP	MULTIPLE	Oct-04	Jun-05	Yes		
AQUISITION CENTER OF EXCELLENCE ITS										
FY2004			AFMC/ESC	DO/FFP	MULTIPLE	May-04	Feb-05	Yes		
Remarks:										
<p>(1) Award/delivery dates reflect date of first award and delivery.</p> <p>(2) Multiple contractors will be used to satisfy requirements. Contracts are typically, but not exclusively, executed off Standard Systems Group Commercial Information Technology-Product Area Directorate (CIT-PAD).</p> <p style="padding-left: 20px;">a. CITS: Typical contractors include EDS, Herndon, VA; NG, San Antonio, TX; General Dynamics, Needham, MA, Avaya, St. Petersburg, FL. New contractors TBD.</p> <p style="padding-left: 20px;">b. PKI: typical vendors are Sun Microsystems, Palo Alto, CA and Dell, Round Rock, TX.</p> <p style="padding-left: 20px;">c. GCSS typical vendors: ORACLE/AMARC, Davis Monthan AFB, AZ (PCO is DISA St Louis, MO, contract type T&M); Anser, VA (PCO GSA); KPMG , Washington DC (PCO is in Dept of Labor); Lockheed Martin Systems, VA</p>										
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ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(3) Given the close linkage between CITS and ISSP, ISSP will be executed through the CITS contractors listed above.</p>										
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,664	\$30,110	\$30,430	\$31,356	\$32,490	\$33,513	\$35,035
<p>Description:</p> <p>The Air Force (AF) is the executive agent for United States Central Command (USCENTCOM). USCENTCOM is geographically separated from its area of responsibility (AOR) by over 7,000 miles. In order to meet its mission responsibilities despite that geographical handicap, USCENTCOM relies on command, control, communications, and computer (C4) systems capable of achieving full spectrum information superiority. Funding increases starting in FY04 will significantly improve communications reliability, capacity, and security in a number of operating locations in Southwest Asia. Introduction of newer technology will reduce the Air Force's dependance on activating Guard and Reserve units to maintain and operate older, more manpower intensive tactical communications systems. USCENTCOM received \$100,000 in the FY03 supplemental.</p> <ol style="list-style-type: none"> 1. USCENTCOM COMMAND AND CONTROL SYSTEMS: As executive agent for USCENTCOM, the Air Force is responsible for funding Headquarters USCENTCOM's Command and Control (C2) needs. FY05 funds continue to provide for modernization of communications and C2 systems, including 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. FY05 funds provide the AF's one-third share 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: FY05 funding will replace AFSOC's aging International 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: USCENTCOM			
Description <p>Maritime Satellite Terminal (INMARSAT) inventory with fully integrated systems to allow for a single-man-lift, easily deployable, and secure access to voice/data networks from bare base environments. This is a small network access package incorporating a high speed voice and data reach back. Systems provide worldwide ability for survey teams to transmit secure data directly back to a Continental United States (CONUS) based server in near real-time. Planners will have immediate and up-to-date access on numerous locations around the world.</p> <p>4. AIR COMBAT COMMAND (ACC) COMMUNICATIONS: Central Air Forces (CENTAF) is the Air Combat Command (ACC) component designated to support USCENTCOM operations in deployed theaters for the Air Force. CENTAF will execute the FY05 funding increases to modernize the systems currently deployed. This modernization will significantly increase CENTCOM's C2 capabilities and reduce AF manpower needs. This is an important issue, both from a force protection standpoint and a quality of life viewpoint, for AF Guard and Reserve personnel. FY05 funds provide for modernization of communications and automation systems, including commercial satellite terminals, telephone switches, network servers and associated information assurance tools.</p> <p>Items requested in FY05 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.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: USCENTCOM
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
USCENTCOM COMMAND AND CONTROL SYSTEMS	A				\$3,438		\$3,120		\$3,160
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)	A				\$5,833		\$4,266		\$3,558
AFSOC DEPLOYABLE C3 UNITS	A				\$393		\$474		\$489
ACC COMMUNICATIONS	A						\$22,250		\$23,223
TOTALS:					\$9,664		\$30,110		\$30,430

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: USCENTCOM						
ITEM / 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										
FY2003(1)			USCENTCOM	C/FFP	MULTIPLE	Dec-02	Jan-03			
FY2004(1)			USCENTCOM	C/FFP	MULTIPLE	Dec-03	Jan-04			
FY2005(1)			USCENTCOM	C/FFP	UNKNOWN	Dec-04	Jan-05	Yes		
JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE)										
FY2003(1)			11WING	C/FFP	MULTIPLE	Feb-03	Jul-03			
FY2004(1)			11WING	C/FFP	MULTIPLE	Feb-04	Jul-04	Yes		
FY2005(1)			11WING	C/FFP	UNKNOWN	Feb-05	Jul-05	Yes		
AFSOC DEPLOYABLE C3 UNITS										
FY2003(1)			HQ AFSOC	C/FFP	MULTIPLE	Feb-03	Jul-03			
FY2004(1)			HQ AFSOC	C/FFP	MULTIPLE	Feb-04	Jul-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: USCENTCOM						
ITEM / 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										
FY2004(1)			HQ ACC	C/FFP	MULTIPLE	Dec-03	Jan-04			
FY2005(1)			HQ ACC	C/FFP	UNKNOWN	Dec-04	Jan-05	Yes		
Remarks:										
<p>(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: GTE, Needham Heights, MA; Booz-Allen Hamilton, St. Inigoes, MD; MITRE, Fort Monmouth, NJ; SAIC, San Diego, CA; Microsoft, Charlotte, NC; Sun, McLean, VA; Xerox, Tampa, FL; LNR, Hauppauge, NY; and NISE East, Portsmouth, VA. Award/delivery dates reflect date of first award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,428	\$10,477	\$8,297	\$10,436	\$7,046	\$13,393	\$8,766
<p>Description:</p> <p>This program acquires equipment necessary to implement and sustain Air Force (AF) Command and Control (C2) messaging requirements for the Defense Message System (DMS). The DMS provides essential capabilities to carry on the wartime and peacetime missions of the AF in lieu of the base telecommunications centers and Automatic Digital Network (AUTODIN) switches. DMS replaces the C2 messaging function of AUTODIN, which terminated in October 2003 for all but Emergency Action Messages (EAMs) and Allied Gateway requirements. EAM and Allied Gateway requirements are addressed at the Defense Information Systems Agency (DISA) level. Changes in funding levels on the attached P-40A reflect the continuing changes and upgrades with the Directory Security and Component Command (COCOM) components that are linked to the war on terrorism and continuing support of C2 capabilities for deployed requirements.</p> <p>Per the Joint Operational Requirements Document, the C2 messaging system of record communicates and documents C2 directives, agreements, financial data, and other mission essential data while providing users with confidence that the message is authentic, credible, and traceable back to the originator. DMS provides these assurances while maintaining the look, feel, and simplicity of e-mail. All features of DMS are operational and extended to all AF organizations that allowed termination of AUTODIN (now referred to as legacy). The transition occurred in three distinct phases:</p> <ul style="list-style-type: none"> - Top Secret/Collateral (TS/C) and below General Service (GENSER) non-Special Category/Special Handling Designator (SPECAT/SHD) completed DMS capabilities with DMS version 3.0 Directory Security Enhancements (DSE). - SPECAT/SHD users will transition to DMS version 3.0 when DISA issues release of implementation processes, policies, and procedures in 2004 and 2005. - Remaining users (intelligence and allied communities) will transition in accordance with their implementation plans and DISA guidance, policies, and procedures. 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)			
Description					
<p>In FY05, Directory Services will have software upgrades in line with planned enhancements supporting implementation of the Global Information Grid (GIG) Enterprise System, now renamed Network Centric Enterprise System. Also, Secure Remote messaging will be upgraded to support increased messaging security. COCOM and AF Components will receive technical refresh and approved upgrades. Certificate Authority Workstations (CAWs) receive approved upgrades and technical refresh as warranted. Deployable DMS will complete technical refresh of remaining deployable assets. High Assurance Guards (HAGs) and FORTEZZAs must be upgraded in accordance with existing mandates.</p> <p>Without DMS funding, the AF will not have the capability to support the operational community's C2 message requirements and would have an increased susceptibility to information operations attacks conducted by only a mildly sophisticated adversary. These attacks could easily induce significant confusion into operations, increasing the likelihood of American casualties.</p> <p>1. DMS COMPONENTS: FY05 funding will be used to field the following:</p> <p>a. DEPLOYABLE DMS: The Deployable DMS part of the Theater Deployed Communications (TDC) provides the warfighter with the same messaging capability whether deployed or in-garrison. Currently, the DMS-AF Program Management Office (PMO) provides deployable Non-Secure Internet Protocol Router (NIPR) and Secret Internet Protocol Router (SIPR) DMS suites to over 140 units. Existing equipment is reaching end of life and is deployed as part of individual organizations' communications equipment when each organization deploys. In the current wartime environment, it is critical to ensure deployed AF troops continue to have secure, reliable, and uninterrupted messaging capability. Existing components must be replaced to avoid critical system failure, and it is essential to operations that the replacement components integrate into the overarching TDC solution to avoid interoperability problems. Incorporating the new Deployable DMS solution as part of the TDCs provides a lower cost life-cycle support solution to the AF. More importantly, this solution will reduce the system administration and security burdens on deploying organizations by providing an integrated communication and messaging system that supports multiple organizations in an Operational Area instead of "everyone bringing their own." FY05 funding will provide for these upgrades.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)			
Description <p>b. COMBATANT COMMAND (COCOM) AND AF COMPONENTS: FY05 funding will provide for critical technical refresh of hardware and software for COCOM and AF sites to maintain secure, reliable, and uninterrupted operational capability. All COCOM DMS components (FORTEZZAs) and approximately 25% of the AF Major Command (MAJCOM) and site DMS components (FORTEZZAS) are at end of life and require technical refresh to ensure continued operations and to support DoD and NSA mandated upgrades. Included in this technical refresh are the HAGs that provide essential messaging security for all COCOMs and we will purchase 30 Directory Service Agents and 316 Groupware messaging servers for MAJCOM sites and COCOMs.</p> <p>c. CERTIFICATION AUTHORITY WORKSTATION (CAW): No FY05 funding is requested.</p> <p>2. DMS SECURITY:</p> <p>a. DIRECTORY SECURITY: FY05 funding will procure 44 Directory Service Agents servers for MAJCOM sites and COCOMs.</p> <p>b. SECURITY COMPONENTS (FORTEZZA & HAG): FY05 funding will procure FORTEZZAs based upon the fielding requirements.</p> <p>c. SECURE REMOTE MESSAGING AND DELIVERY NOTIFICATION: The Secure Remote Messaging and Delivery Notification capability provides a means for secure reach-back messaging capability for operational messaging away from fixed site or TDC facilities. There is a critical need to ensure SPECAT/SHD messages are appropriately disseminated to necessary organizations/recipients and not to unauthorized organizations/recipients. Funding levels must be maintained to ensure the DMS is capable of continued mission support as the system of record for the AF and the DoD. FY05 funding will procure Automated Message Handling Systems (AMHSs), once the total requirement is identified for both MAJCOMs and COCOMs.</p> <p>Items requested in FY05 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>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
DEFENSE MESSAGE SYSTEM (DMS)	A								
DMS SECURITY	A				{\$16,100,000}		{\$9,288,000}		{\$7,615,000}
DEPLOYABLE DMS	A						\$1,425,000		\$2,807,000
GUARDS	A				\$14,986,000		\$3,901,000		\$4,808,000
CAW UPGRADES	A				\$1,114,000		\$3,962,000		
DMS SECURITY	A				{\$1,328,000}		{\$1,189,000}		{\$682,000}
DIRECTORY SECURITY	A				\$990,000		\$145,000		\$48,000
SECURITY COMPONENTS (FORTEZZA & HAG)	A				\$338,000		\$563,000		\$73,000
SECURE REMOTE MESSAGING AND DELIVERY	A						\$481,000		\$561,000
TOTALS:					\$17,428,000		\$10,477,000		\$8,297,000

Remarks:

Cost information is in actual dollars.

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

DEFENSE MESSAGE SYSTEM (DMS)

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST

Quantities and costs vary due to different sites configurations.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
DEFENSE MESSAGE SYSTEM (DMS)(1)										
DMS SECURITY										
DEPLOYABLE DMS										
FY2004			AFMC/SSG	C/FFP	DELL MARKETING/ROUND ROCK, TX	Jan-04	Mar-04			
FY2005			AFMC/SSG	C/FFP	UNKNOWN	Nov-04	Jan-05	Yes		
GUARDS										
FY2003(2)			AFMC/SSG	C/FFP	MULTIPLE	Oct-02	Dec-02			
FY2004(2)			AFMC/SSG	C/FFP	MULTIPLE	Nov-03	Jan-04			
FY2005			AFMC/SSG	C/FFP	UNKNOWN	Oct-04	Dec-04	Yes		
CAW UPGRADES(3)										
FY2003			AFMC/SSG	MIPR/IDIQ	NSA/GEN DYNAMICS/SCOTTSDALE, AZ	Dec-02	Mar-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)						
ITEM / 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	
FY2004			AFMC/SSG	MIPR/IDIQ	NSA/GEN DYNAMICS/SCOTTSDALE, AZ	Apr-04	Aug-04	Yes		
DMS SECURITY										
DIRECTORY SECURITY										
FY2003			AFMC/SSG	C/FFP	LOCKHEED MARTIN/MANASSAS, VA	Jun-03	Aug-03			
FY2004(4)			AFMC/SSG	OPT/FFP	LOCKHEED MARTIN/MANASSAS, VA	Apr-04	Jun-04	Yes		
FY2005(4)			AFMC/SSG	OPT/FFP	LOCKHEED MARTIN/MANASSAS, VA	Apr-05	Jun-05	Yes		
SECURITY COMPONENTS (FORTEZZA & HAG)										
FY2003			AFMC/SSG	SS/IDIQ	SPAWAR/CHARLESTON, SC	Feb-03	Mar-03			
FY2004			AFMC/SSG	SS/IDIQ	UNKNOWN	Mar-04	May-04			
FY2005			AFMC/SSG	SS/IDIQ	UNKNOWN	Oct-04	Jan-05	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: DEFENSE MESSAGE SYSTEM (DMS)						
ITEM / 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	
SECURE REMOTE MESSAGING AND DELIVERY										
FY2004			AFMC/SSG	C/FFP	UNKNOWN	Apr-04	May-04	Yes		
FY2005			AFMC/SSG	C/FFP	UNKNOWN	Apr-05	May-05	Yes		
<p>Remarks:</p> <p>(1) SSG, Gunter AFB, AL contracts with the following contractors: DMS Components: Lockheed Martin, Manasses VA; COCOM & AF Components, Digital Net, Herndon VA; Directory Security, DATA Communications Limited, Reston, VA; and Secure Remote Messaging & Delivery - TELOS, Ashburn, VA.</p> <p>(2) Contractors for COCOM & AF Components are: Dell Marketing, Round Rock, TX; CDW Government Inc., Vernon Hills, IL; Micron, Meridian, IN; Gateway, North Sioux City, SD; Government Technology Services Inc, Chantilly, VA</p> <p>(3) Contractor for CAW Upgrades is General Dynamics, Scottsdale, AZ.</p> <p>(4) Base contract awarded in Jun 2003 to Lockheed Martin, Manassas, VA.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NAVSTAR GPS SPACE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$14,426	\$10,255	\$10,272	\$8,186	\$5,308	\$9,664	\$21,354
<p>Description:</p> <p>The Navstar Global Positioning System (GPS) satisfies validated joint service requirements for worldwide, accurate, common grid, three-dimensional positioning/navigation for military aircraft, ships, ground vehicles, and ground personnel. The system is comprised of three segments: (1) satellites, (2) a control network, and (3) user equipment (UE). The satellites broadcast high accuracy data using precisely synchronized signals that are received and processed by UE 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) UE consists of Precision Lightweight GPS Receivers (PLGR) and all in-view receivers such as the Defense Advanced GPS Receiver (DAGR). FY05 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.</p> <ol style="list-style-type: none"> 1. PRECISION LIGHTWEIGHT GPS RECEIVER (PLGR): No FY05 funding requested. 2. KEY DATA LOADING INSTALLATION FACILITY (KLIF)/GPS SECURITY DEVICE: FY05 funding provides for the programming of black key algorithms into Selective Availability Anti-Spoofing Module (SAASM) chips, providing an accurate positioning solution for GPS users using secure equipment. Funds will procure additional parts in support of 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. FY05 funding procures additional parts in support of Key Data Processors (KDPs), ensuring uninterrupted support to SAASM vendors who are required to use government provided KDPs as part of the security architecture. Provides technical information technology services to load/install operational KDP software in the KLIF. 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: NAVSTAR GPS SPACE				
Description						
<p>3. DEFENSE ADVANCED GPS RECEIVER (DAGR): DAGR, the follow-on to the PLGR, will be the next generation handheld self-contained GPS receiver with precise positioning using SAASM. It will be interoperable with existing PLGR interfaces and support equipment so present integration and support capabilities are minimally affected. DAGR will be primarily used in the stand alone mode, in wheeled and tracked vehicles, in airborne and air-drop operations, and in weapons integration. FY05 funding procures military secure handheld GPS receivers (i.e., DAGRs) for US forces in order for them to prosecute their mission.</p>						
<p>4. HANDHELD TESTING SUPPORT: FY05 funding provides testing support for user equipment. Testing includes engineering change proposals and product improvements for PLGR and DAGR.</p>						
<p>5. ALTERNATE MASTER CONTROL STATION (AMCS): AMCS was completed in FY03. No FY05 funding requested.</p>						
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: NAVSTAR GPS SPACE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		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)							\$121			\$117				
KLIF/GPS SECURITY DEVICE							\$823			\$7,336				\$7,621
DAGR	A						\$3,109			\$2,585				\$2,451
HANDHELD TESTING SUPPORT							\$163			\$217				\$200
ALTERNATE MASTER CONTROL STATION (AMCS)	A						\$10,210							
TOTALS:							\$14,426			\$10,255				\$10,272
Remarks: Total Cost information is in thousands of dollars.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NAVSTAR GPS SPACE						
ITEM / 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										
FY2003			AFSPC/SMC	C/FFP	ROCKWELL COLLINS, CEDAR RAPIDS, IA AND RAYTHEON SYSTEMS/EL SEGUNDO, CA	Oct-02	May-03			
FY2004			AFSPC/SMC	OPT/FP W/OPT	ROCKWELL COLLINS/CEDAR RAPIDS, IA	Sep-04	Dec-04	Yes		
FY2005			AFSPC/SMC	OPT/FP W/OPT	ROCKWELL COLLINS/CEDAR RAPIDS, IA	Jan-05	Jun-05	Yes		
ALTERNATE MASTER CONTROL STATION (AMCS)										
FY2003			AFSPC/SMC	SS/CPFF	BOEING NORTH AMERICA/SEAL BEACH, CA	Oct-02	Dec-02			
Remarks:										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NUDET DETECTION SYSTEM (NDS) SPACE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,793	\$10,706	\$7,554	\$9,334	\$12,304	\$15,392	\$26,567
<p>Description:</p> <p>The United States Nuclear Detonation (NUDET) Detection System (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 (NORAD) [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 (GPS)/Nuclear Detonation System (NDS) satellites and Defense Support Program (DSP)/NDS 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 (RDT&E) Budget Justification Exhibits for Program Element (PE) 0305913F).</p> <p>The increased requirement in FY04 is due to the alignment of the ground mission processing segment with the launch schedule. This allows time for the ground segment to be tested and ready for launch of GPS IIF satellites. Launches are scheduled to begin in FY06.</p> <p>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 the combatant commanders including USSTRATCOM, Air Combat Command (ACC), and AFTAC. NUDET reporting is required for the ITW/AA, Nuclear Force Management, and nuclear test ban treaty monitoring missions.</p> <p>1. ICADS UPGRADE: FY05 funding continues ICADS upgrades with the purchase of Sun servers and workstations, 8 NDS receiver sets, and continues the</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: NUDET DETECTION SYSTEM (NDS) SPACE			
Description modification of DSP Neutron Gamma capabilities with the procurement of Radec Data Processors. 2. GNT UPGRADES: FY05 funding will be used for 2 GNT antennas, 1 host shelter, 10 NDS receiver sets and Sun computer equipment needed for IIF data processing. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: NUDET DETECTION SYSTEM (NDS) SPACE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ICADS UPGRADE	A				\$6,818,000		\$8,112,000		\$4,420,000
GNT UPGRADE	A				\$975,000		\$2,594,000		\$3,134,000
TOTALS:					\$7,793,000		\$10,706,000		\$7,554,000

Remarks:

Cost information is in actual dollars.

1. Unit costs and quantities vary due to multiple types of computer hardware being procured.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: NUDET DETECTION SYSTEM (NDS) SPACE						
ITEM / 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										
FY2003			AFMC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-02	Apr-03			
FY2004			AFMC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-03	Oct-04			
FY2005			AFMC/SMC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-04	Oct-05	Yes		
GNT UPGRADE										
FY2003			HQ AFSPC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-02	Nov-04			
FY2004			HQ AFSPC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-03	Aug-05			
FY2005			HQ AFSPC	MIPR/OTH/OTH	DOE SANDIA NATIONAL LAB/ALBUQUERQUE, NM	Dec-04	Oct-05	Yes		
Remarks:										
<ol style="list-style-type: none"> 1. Unit costs and quantities vary due to multiple types of computer hardware being procured. 2. The contract type to the Department of Energy (DOE) Sandia National Laboratory is cost reimbursement. 										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE SATELLITE CONTROL NETWORK SPACE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$43,263	\$47,871	\$43,882	\$51,437	\$68,510	\$60,566	\$60,250
<p>Description:</p> <p>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 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 (TT&C) for the following operational satellite systems: Defense Meteorological Satellite Program (DMSP), Global Positioning System (GPS), Defense Satellite Communications System (DSCS), Defense Support Program (DSP), Fleet Satellite (FLTSAT), Military Strategic and Tactical Relay (MILSTAR) Satellite, Skynet, North Atlantic Treaty Organization (NATO), 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 35110F.</p> <p>This project procures integrated mission critical electronics and telecommunications equipment for aging command, control and communications (C3), and range elements of the AFSCN. These technological upgrades will ensure DoD space systems will be operationally ready to support future Warfighting Commander requirements. Equipment requested for FY05 and described herein is representative of capability to be procured in support of AFSCN improvement and modernization.</p> <p>AIR FORCE SATELLITE CONTROL NETWORK IMPROVEMENT AND MODERNIZATION (AFSCN I&M): AFSCN I&M is an on-going program of replacements and upgrades which will meet Air Force Space Command (AFSPC) operational requirements to replace non-standard, unsupportable equipment with commercial-off-the-shelf (COTS) and COTS-based hardware and software. This new equipment will dramatically reduce AFSPC satellite operations hardware/software (HW/SW) maintenance. Principal efforts within AFSCN I&M include:</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: AIR FORCE SATELLITE CONTROL NETWORK SPACE			
Description <p>a. NETWORK OPERATIONS UPGRADES: Previously referred to as "Command & Control System (Network Operations) Upgrades" these efforts upgrade the current Electronic Schedule Dissemination (ESD) system to provide AFSCN resource monitoring and schedule dissemination capability. Network Operations Upgrades use integrated and pre-deployment-tested COTS HW and SW to the maximum extent possible. FY05 funds procure equipment for the Resource Scheduling System Upgrade.</p> <p>b. RANGE AND COMMUNICATIONS UPGRADES: These efforts will transition the current, point-to-point AFSCN communications network to a distributed communications system that integrates government and commercial networks, and will upgrade the aging equipment at the Operational Control Nodes (OCNs) and RTSs. Several standardization efforts are being implemented to improve and modernize the communications and range segment elements of the AFSCN, including integrated pre-deployment HW/SW validation, antenna replacements, and equipment upgrades at the RTSs. AFSCN capacity, reliability, data quality, and user access will be significantly improved. FY05 funds will procure additional antenna systems and associated equipment as well as equipment to connect external users to AFSCN resources.</p> <p>c. INTERIM SUPPLY SUPPORT: FY05 funds will provide Interim Supply Support (ISS) to include support services and initial spares under the Reformed Supply Support Process (RSSP) for the Satellite Control Network Contract (SCNC) and to transition to government supply support.</p> <p>d. OTHER CONTRACTOR SUPPORT: FY05 funds will procure other support to 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.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: AIR FORCE SATELLITE CONTROL NETWORK SPACE										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		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 SPACE															
COMMAND & CONTROL SYSTEM (NETWORK OPERATIONS) UPGRADES	A						\$1,450			\$2,386			\$1,390		
RANGE & COMMUNICATIONS UPGRADES	A						\$37,084			\$37,389			\$33,661		
INTERIM SUPPLY SUPPORT										\$2,023			\$2,394		
OTHER CONTRACTOR SUPPORT							\$4,729			\$6,073			\$6,437		
TOTALS:							\$43,263			\$47,871			\$43,882		
Remarks: Total Cost information is in thousands of dollars.															
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE SATELLITE CONTROL NETWORK SPACE						
ITEM / 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 SPACE										
COMMAND & CONTROL SYSTEM (NETWORK OPERATIONS) UPGRADES(1)										
FY2003(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Dec-02	Apr-03			
FY2004(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Feb-04	Apr-04	Yes		
FY2005(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Dec-04	Apr-05	Yes		
RANGE AND COMMUNICATIONS UPGRADES(1)										
FY2003(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Dec-02	Apr-03			
FY2004(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Jan-04	Jun-04			
FY2005(2)			AFSPC/SMC	OPT/CPAF	HONEYWELL TECHNOLOGY SOLUTIONS/COLORADO SPRINGS, CO	Dec-04	Jun-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: AIR FORCE SATELLITE CONTROL NETWORK SPACE						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>Remarks:</p> <p>(1) Quantities and unit costs vary due to different types/configurations of equipment being procured. Delivery dates reflect first delivery date of multiple deliveries.</p> <p>(2) New Satellite Control Network Contract (SCNC) baseline awarded in Dec 01.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)								
		\$106,389	\$80,037	\$101,458	\$93,936	\$82,868	\$123,483	\$101,692
<p>Description:</p> <p>The Eastern Range, at Patrick Air Force Base, FL, and the Western Range, at Vandenberg AFB, CA, are the nation's primary Spacelift Ranges. They provide tracking, telemetry, control, communications, flight analysis, and other capabilities necessary to safely conduct national security, civil, and commercial spacelift operations; intercontinental and sea-launched ballistic missile evaluations; and aeronautical and guided weapons tests. Many of the range assets are outdated, unreliable, inefficient, and costly to operate and maintain.</p> <p>The Air Force (AF) is addressing range shortcomings through modernization and recapitalization efforts under the Spacelift Range System (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 will 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 35182F, Project 674137.</p> <p>The AF is implementing range modernization and recapitalization through two complementary contracts. First, the Range Standardization and Automation (RSA) Phase IIA contract modernizes the control/display and communication segments of the ranges. Second, the Spacelift Range System Contract (SLRSC) modernizes the instrumentation segment of the ranges, and engineers and executes a proactive recapitalization process to replace hardware no longer efficient and sustainable. In FY04, the Air Force restructured the RSA Phase IIA contract to support higher priorities and refocused the SLRSC effort on sustainment and recapitalization with limited modernization. Modernization and recapitalization efforts identified herein are representative of the projects to be pursued during execution years, since changing operational requirements/priorities and reliability, maintainability, and availability (RMA) status will</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)			
Description					
determine the final list of projects to be pursued during each execution year. Following are details of the FY05 program:					
1. RANGE STANDARDIZATION & AUTOMATION (RSA) Phase IIA: The RSA Phase IIA contract modernizes the control/display and communications segments, to include: planning and scheduling, metric tracking, flight safety, digital telemetry, communications, and weather equipment. Due to technical, funding, and schedule considerations, RSA IIA will continue through FY05 and beyond, rather than completing in FY04, as previously indicated.					
FY05 funds will continue RSA Phase IIA, to include integration, testing, and refinements to meet operational acceptance requirements for planning and scheduling, digital telemetry, communications, and weather modernization efforts. Also, it will continue Interim Contractor Support (ICS) and Interim Supply Support (ISS), such as: support services, the spares transition package, any required reprocurement data, and transition common spares.					
2. SPACELIFT RANGE SYSTEM CONTRACT (SLRSC): The SLRSC completes range modernization efforts and implements proactive recapitalization efforts. It procures an integrated suite of automated instrumentation with associated test and interface equipment, downrange remote control assets, and follow-on control and display and communications systems, to complete the modernization effort. Also, it executes 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: FY05 modernization funds will procure increased quantities of fixed and mobile telemetry equipment, fixed and mobile command equipment, and radar equipment. Associated test and interface equipment necessary to link instrumentation to the network segment and control and display segment will be procured to implement the SLRS architecture. Additionally, funds will pay for ISS which include support services, the spares transition package, any required reprocurement data, and transition common spares.					
b. RECAPITALIZATION: FY05 recapitalization efforts will include, but are not limited to: replacement of radar and telemetry site computers,					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)			
Description replacement of 70mm engineering camera, replacement of GPS receivers, replacement of lead air filled cables, replacement of frequency oscillators, addition of meteorological satellite imagery display, addition of two-way satellite time transfer system, addition of fiber optic cables, upgrade of command remoting system, upgrade of local video distribution system, replacement of lightning warning system, and upgrade of translated GPS range system supportability. Additionally, FY05 funds will pay for ISS, to include: support services, the spares transition package, any required reprocurment data, and transition common spares.					
3. OTHER CONTRACTOR SUPPORT: Other contractor support to the system program office includes, but is not limited to: engineering, cost estimating, contract reconciliation, configuration management, information technology support, and other similar efforts. FY05 funds continue this contractor support.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		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							{\$33,582}			{\$20,607}				{\$12,000}
EQUIPMENT/HARDWARE/SOFTWARE	A						\$21,733			\$9,406				\$8,496
INTERIM CONTRACTOR SUPPORT (ICS)							\$10,413			\$11,098				\$3,145
INTERIM SUPPLY SUPPORT (ISS)							\$1,436			\$103				\$359
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)							{\$52,987}			{\$46,343}				{\$75,548}
EQUIPMENT/HARDWARE/SOFTWARE	A						\$24,714			\$12,209				\$38,674
INTERIM SUPPLY SUPPORT (ISS)							\$2,270			\$4,788				\$6,378
RECAPITALIZATION							\$20,336			\$24,685				\$25,566
RECAP INTERIM SUPPLY SUPPORT (ISS)							\$5,667			\$4,661				\$4,930
OTHER CONTRACTOR SUPPORT														

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
PROGRAM SUPPORT (1)							\$19,820			\$13,087			\$13,910	
TOTALS:							\$106,389			\$80,037			\$101,458	
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Program support by other contractors previously included in RSA IIA and SLRSC contract lines but now broken out separately under Other Contractor Support.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)						
ITEM / 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										
RSA PHASE IIA(1-2)										
EQUIPMENT/HARDWARE/SOFTWARE										
FY2003			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/SANTAMARIA, CA	Nov-02	Jan-03			
FY2004			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/SANTAMARIA, CA	Nov-03	Dec-03			
FY2005			AFSPC/SMC	OPT/CPAF	LOCKHEED MARTIN/SANTAMARIA, CA	Nov-04	Dec-04	Yes		
SPACELIFT RANGE SYSTEM CONTRACT (SLRSC)(1,3)										
EQUIPMENT/HARDWARE/SOFTWARE										
FY2003			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/CAPE CANAVERAL, FL	Nov-02	Feb-03			
FY2004			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/CAPE CANAVERAL, FL	Feb-04	Jun-04	Yes		
FY2005			AFSPC/SMC	OPT/CPAF	ITT INDUSTRIES/CAPE CANAVERAL, FL	Dec-04	Apr-05	Yes		
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACELIFT RANGE SYSTEM (SPACE)						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) The quantities vary due to numerous increments of products being delivered across fiscal years. Additionally, 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 fiscal year.</p> <p>(2) The RSA Phase IIA contract, awarded in Nov 95, includes: hardware procurement options; options for integration, testing, and refinement for operational acceptance; and, interim contractor and supply support activities. The contract has multiple options for various related product items.</p> <p>(3) The SRLSC, awarded in Nov 00, has modernization options from FY02 through FY07 and additional systems engineering, interim supply support, and depot level maintenance options through FY10. The contract has multiple options for various product items.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$36,108	\$42,015	\$19,176	\$98,599	\$107,881	\$116,391	\$131,078
<p>Description:</p> <p>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 communication 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 (PE) 0303601F for more information on terminal development efforts, except where otherwise noted. The decrease in FY05 funding from last year's submission is due to the delay in Ground Multiband Terminal (GMT) production to late FY05 and restructure of Advanced Extremely High Frequency (AEHF) upgrades to tactical terminals. The MILSATCOM program received \$14.8M in FY03 supplemental funding for Global Broadcast Service (GBS) Internet Protocol (IP) acceleration and funding for Defense Satellite Communications System (DSCS) upgrades at Croughton, UK and Ramstein, Air Base (AB), GE.</p> <ol style="list-style-type: none"> 1. SECURE MOBILE ANTI-JAM RELIABLE TACTICAL TERMINALS (SMART-T): No FY05 funding is requested. 2. SUPER HIGH FREQUENCY (SHF) TERMINALS: SHF terminals operate over the DSCS and Wideband Gapfiller Satellite System (WGS) 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 Air Force is responsible for procuring terminal equipment for selected locations that form part of the ground segment for large terminals. FY05 funds procure equipment to modernize DSCS, the 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 stations, and to leverage WGS capabilities and interoperability with the Army, Navy, AF, and the State Department. Equipment 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: MILSATCOM SPACE				
Description procurement includes ground terminal modernization kits, fiber optic modems, patch panels, timing sources, interconnect facility links, and equipment facilities.						
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 will 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 Sheet for Program Element 0603840F.						
a. GBS RECEIVE SUITES: The receive suites link users to information sources via GBS payloads hosted on UHF Follow-on (UFO) satellites offering near-worldwide service. FY05 funds procure ground receive suites, upgrades, integration and installation, training, technical manual updates, systems engineering, and program support.						
b. SATELLITE BROADCAST MANAGERS (SBM): No FY05 funds are requested.						
c. THEATER INJECTION POINTS (TIP): The TIP is a ground mobile satellite terminal suite transportable via two heavy High Mobility Multi-purpose Wheeled Vehicles (HMMWV). The TIP provides the Joint Force Air Component Commander one-way high capacity connectivity to supply lower echelon wings/squadrons/bases with intelligence dissemination, air tasking order transmission, unmanned aerial vehicle videos, and other information critical to the conduct of air campaigns. FY05 funds procures TIP, system engineering, and program support.						
d. WIDEBAND GAPFILLER SATELLITE (WGS) TRANSMIT SUITE: No FY05 funds are requested.						
4. COMMAND & CONTROL SYSTEM - CONSOLIDATED (CCS-C): CCS-C will continue MILSATCOM satellite command and control capabilities after the Air Force Satellite Control Network CCS basic sustainment contract ends in FY05, providing automated control of satellite launch and on-orbit						
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: MILSATCOM SPACE			
Description <p>operations for existing satellites (DSCS and Milstar) and systems in development (WGS and Advanced Extremely High Frequency (AEHF)). FY05 funds sustain the COTS hardware and software until system turnover to sustainment. Production equipment being procured is vital to replacing the existing CCS with the CCS-C system. Failure to provide this equipment will result in \$30-\$40M a year cost to sustain CCS, prevent AF after launch operations of the WGS, and delay AEHF launch dates due to lack of equipment to support AEHF launch and post launch operations. See also Budget Project Activity Code 644870 in the RDT&E Budget Item Justification Sheet for Program Element 0603854, Wideband Gapfiller System (Space).</p> <p>5. GROUND MULTI-BAND 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. FY05 funds buy provisioning data. Refer to RDT&E Budget Item Justification Exhibits for Program Element 0303601F for more information on terminal development efforts.</p> <p>6. RIVET JOINT AEHF SATCOM TERMINALS: Funds were transferred to BPAC 840000 in FY05.</p> <p>7. COUNTERSPACE: FY05 funding supports the system design and risk reduction efforts for the Counter Surveillance Reconnaissance System.</p> <p>Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: MILSATCOM SPACE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
MILSATCOM SPACE														
SMART-T										{\$3,845}				
TERMINALS	A									\$1,600				
PROGRAM SUPPORT										\$593				
WARRANTY										\$400				
ANCILLIARY EQUIP	A									\$1,252				
SHF TERMINALS										{\$845}				
SHF/JRSC	A									\$845				
GBS										{\$29,943}				
GBS RECEIVE SUITES (1-2)										{\$12,201}				
RECEIVE SUITES	A									\$6,861				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: MILSATCOM SPACE								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
UPGRADES							\$11,400			\$2,255			\$186
INTEGRATION & INSTALLATION							\$788			\$1,610			\$1,855
SYSTEM ENGINEERING										\$1,158			\$1,181
PROGRAM SUPPORT							\$13			\$595			\$501
B. SATELLITE BROADCAST MANAGER UPGRADES	A						\$2,600						
TIPS	A									\$3,419			\$3,590
WGS TRANSMIT SUITES (1)	A						\$15,142			\$11,776			
4. CCS-C							{\$5,320}			{\$8,049}			{\$2,124}
HARDWARE/SOFTWARE STRINGS	A						\$5,320			\$8,049			\$2,124

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: MILSATCOM SPACE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
5. GROUND MULTIBAND TERMINALS (1)														(\$1,599)
GROUND TERMINALS	B													\$1,599
7. COUNTERSPACE														
SYSTEM ENGINEERING														\$291
TOTALS:							\$36,108	2		\$42,015				\$19,176
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) Unit costs vary based on configurations and quantities purchased. (2) \$14.8M in FY03 Receive Suite and Satellite Broadcast Manager upgrades received Supplemental funds.</p>														
P-1 ITEM NO 74					PAGE NO: 225					Page 3 of 3				

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
MILSATCOM SPACE										
SMART-T										
TERMINALS										
FY2004			AFMC/ESC	MIPR/FFP	ARMY CECOM/RAYTHEON/MARLB OROUGH, MA	Jan-04	Aug-04			
ANCILLIARY EQUIP										
FY2004			AFMC/ESC	MIPR/FFP	ARMY CECOM/RAYTHEON/MARLB OROUGH, MA	Jan-04	Aug-04			
SHF TERMINALS										
SHF/JRSC										
FY2003			AFMC/ESC	MIPR/C/FFP	MULTIPLE (1)	Dec-03	Feb-04			
FY2004			AFMC/ESC	MIPR/C/FFP	MULTIPLE (1)	Feb-04	Apr-04	Yes		
FY2005			AFMC/ESC	MIPR/C/FFP	MULTIPLE (1)	Dec-04	Feb-05	Yes		
GBS										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: MILSATCOM SPACE
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ITEM / 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
GBS RECEIVE SUITES									
RECEIVE SUITES(3)									
FY2004			AFMC/ESC	OPT (2)/FFP	RAYTHEON/RESTON, VA	Jan-04	Jun-04		
FY2005			AFMC/ESC	OPT (2)/FFP	RAYTHEON/RESTON, VA	Jan-05	Aug-05	Yes	
B. SATELLITE BROADCAST MANAGER UPGRADES									
FY2003			AFMC/ESC	OPT (2)/FFP	RAYTHEON/RESTON, VA	Jan-04	Oct-04		
TIPS									
FY2004				/	UNKNOWN				
FY2005(4)			AFMC/ESC	MIPR/OPT/FFP	RAYTHEON (4)/RESTON, VA	Jan-05	Sep-05	Yes	
WGS TRANSMIT SUITES									
FY2003			AFSPC/SMC	C/FFP	RAYTHEON/RESTON, VA	Dec-02	Nov-03		
FY2004			AFSPC/SMC	OPT/FFP	RAYTHEON/RESTON, VA	Mar-04	May-04	Yes	
4. CCS-C									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE						
ITEM / 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	
HARDWARE/SOFTWARE STRINGS										
FY2003			AFSPC/SMC	C/FFP	INTEGRAL SYS INC./LANHAM, MD	Nov-02	Feb-03			
FY2004			AFSPC/SMC	OPT/FFP	INTEGRAL SYS INC./LANHAM, MD	Nov-03	Nov-03			
FY2005			AFSPC/SMC	OPT/FFP	INTEGRAL SYS INC./LANHAM, MD	Nov-04	Nov-04	No	Sep-04	
5. GROUND MULTIBAND TERMINALS										
GROUND TERMINALS										
FY2005(5)			AFMC/ESC	OPT/FFP	HARRIS CORP (5)/MELBOURNE, FL	Jan-05	Dec-05	Yes		
7. COUNTERSPACE										
Remarks:										
<p>(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.</p> <p>(2) Options to the basic development contract awarded in Nov 97 (Current contract extends through December 2005).</p> <p>(3) GBS receive suite unit costs vary based on configurations and quantities purchased.</p> <p>(4) Options to the Army contract executed through the DATA Exchange. Funding will be sent via MIPR to Army CECOM.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: MILSATCOM SPACE						
ITEM / 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	
(5) Fixed price procurement option to GMT basic RDT&E contract awarded Jun 01.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: SPACE MODS SPACE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$24,657	\$30,518	\$16,346	\$22,088	\$20,714	\$14,280	\$14,306
<p>Description:</p> <p>Permanent modifications are configuration changes to in-service systems and equipment which correct materiel or other deficiencies, or which add or delete capability. Safety modifications correct deficiencies that produce hazards to personnel, systems, or equipment. This budget line encompasses both new and on-going modification efforts for space equipment and systems. Modification installation funding is budgeted in the year the installation occurs.</p> <p>1. NAVSTAR GLOBAL POSITIONING SYSTEM (GPS): The NAVSTAR GPS is a space-based radio navigation, time distribution, and nuclear detonation detection system. The GPS mission is to provide highly accurate position, velocity, timing, and Nuclear Detonation Detection System (NDS) information to properly equipped air, land, sea, and space-based users worldwide. The GPS system consists of three segments: Satellites, the Operational Control Segment (OCS), and User Equipment (UE) which is installed in military platforms. The OCS segment requires modifications (described below) to replace high failure rate parts and preclude system operational degradation. Without these modifications, aging and obsolete equipment will continue to fail excessively and degrade system operational availability and inaccurate navigation data will be transmitted 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.</p> <p style="margin-left: 20px;">A. VERSION V MASTER CONTROL STATION (MCS) UPGRADE: Completed in FY03. No FY05 funding is requested.</p> <p style="margin-left: 20px;">B. HIGH POWER AMPLIFIER (HPA) (MOD #S219947): No FY05 funding is requested.</p> <p style="margin-left: 20px;">C. BLACK SHELTER EQUIPMENT UPGRADE (MOD #S5000102401): This modification replaces obsolete, unsupportable electronic equipment</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACE MODS SPACE			
Description <p>(radio-frequency power meters, data acquisition control unit, command decoder, baseband assembly, distribution amplifier, Timing Frequency Standard (TFS) receivers, echo receiver, and servo control unit) with versabus-module eurocard (VME) based (or similar) equipment. VME based equipment increases compatibility with the new control segment architecture and increases overall reliability and maintainability (R&M) of individual components. FY05 funds provide for installation of 6 kits at remote sites.</p> <p>D. AUTOMATED MASTER CONTROL STATION (AMCS) COMMUNICATIONS INFRASTRUCTURE SUPPORT UPGRADE: No FY05 funds are requested.</p> <p>E. OCS V6 SITE MODIFICATION (SNAPM/SAASM): This modification upgrades the mission software used in the GPS Alternate Master Control Station (AMCS) and the GPS Support Facility (GSF) to provide an initial operating capability (IOC) for two of the three new GPS signals (e.g., M-Code and L2C). This funding purchases two extra copies of the Operational Control Segment (OCS) Version 6 software developed under the IIF contract and covers all costs needed to install and checkout this software on the mission file servers and work stations in the AMCS and GSF. FY05 funding procures the software to upgrade the AMCS.</p> <p>F. MONITOR STATION ENVIRONMENTAL SENSOR (MOD #S5005219609): This upgrade will replace the obsolete, unsupported and non-functional environmental sensors at the GPS remote site Monitor Stations (MSs). Local environmental data (temperature, humidity, dew point) is used for the tropospheric correction of the ranging data received by the MS. For many years the existing environmental sensors have been non-functional and the Master Control Station (MCS) has used averaged environmental data from weather tables to perform tropospheric correction. By using actual local environmental data, navigation accuracy will improve. A 10 cm navigation accuracy is achieved by using actual local environmental data for tropospheric corrections. If not funded, the MCS will continue to use averaged environmental data from weather tables in lieu of actual local environmental data, and the navigation accuracy improvement will not be realized. FY05 funding procures and replaces equipment at GPS Monitor Stations.</p> <p>G. COMMERCIAL OFF THE SHELF (COTS) INTEGRATION EQUIPMENT UPGRADE: No FY05 funds are requested.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACE MODS SPACE			
Description					
<p>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 Surveillance Network by providing space vehicle surveillance, tracking, and identification as required by the Space Surveillance Center and the Joint Space Intelligence Center. The sensors have an operational availability requirement of 98 percent.</p> <p>A. 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 AFB, ND. The PARCS is a 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.</p> <p>(1) PARCS IMPROVED TRANSMITTER MONITORING SYSTEM (ITMS), MOD #S626182: No FY05 funding requested.</p> <p>(2) PARCS DISPLAY UPGRADE, MOD #S532492: No FY05 funding requested.</p> <p>(3) PARCS MAINTENANCE & DIAGNOSTICS SUBSYSTEM (M&DS) UPGRADE, MOD #S532496: No FY05 funding requested.</p> <p>(4) PARCS EVOLUTIONARY MODERNIZATION: The FY05 PARCS Evolutionary Modernization consists of Mod #10MS-03-003, Mission Software Emulator (RePLACE) and Mod #S532491, Data Transmission Controller. These modifications replace the unsupportable and unreliable</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACE MODS SPACE			
Description <p>components in the prime mission equipment. This equipment is composed of unique, custom-built components that became obsolete in the early 1980's. Most parts for this equipment are no longer available. Without these modifications there is 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. FY05 funds will provide for installation and test of the Data Transmission Controller and for system engineering of the RePLACE operating system emulator. Interim Supply Support provides initial spares and subsequent repairs by ICS. Program Management Activity consists of other government costs for program office and infrastructure support.</p> <p>B. PAVE PAWS: No FY05 funding is requested.</p> <p>3. 496L SPACETRACK NETWORK: The 496L SPACETRACK Network, also known as the Space Surveillance Network (SSN), is comprised of the AN/FSD-3 (formerly AN/FSQ-114) Ground-based Electro-Optical Deep Space Surveillance (GEODSS) System, the Air Force Space Surveillance System (AFSSS), and several other dedicated, collateral and contributing sensors. The SSN provides data on near-earth and deep space objects to constantly update the Cheyenne Mountain Operations Center (CMOC) satellite catalog and the US Strategic Comand (USSTRATCOM)/OP234 intelligence database. The SSN also performs critical early warning and tracking of potential threats to North America, and assessment and characterization of potential atmospheric, ballistic missile, and space attacks.</p> <p>A. AN/FSD-3 GROUND-BASED ELECTRO-OPTICAL DEEP SPACE SURVEILLANCE (GEODSS) SYSTEM: GEODSS is a segment of the SSN that provides deep space metric track data to the CMOC and space object identification (SOI) to USSTRATCOM/OP234. More specifically, the primary mission of GEODSS is to provide the Space Control Center (SCC) with observational (metric) data on deep-space satellites and optical characteristic information as tasked by USSTRATCOM/OP234. GEODSS also supports command mission responsibilities for cataloging and maintenance of deep-space satellite payloads and debris, new foreign launch (NFL) orbit determination, and mission assessment and collision avoidance taskings.</p> <p>(1) MOD #83679D, GEODSS CHARGE-COUPLED DEVICE (CCD) CAMERA: No FY05 funding is requested.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: SPACE MODS SPACE		
Description B. AIR FORCE SPACE SURVEILLANCE SYSTEM (AFSSS): AFSSS (formerly the Naval Space Surveillance System (NSSS)) includes both the Air Force Space Surveillance Fence and the Alternate Space Control Center (ASCC). The AFSSS is a segment of the 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 SCC in support of the space surveillance mission. The ASCC serves as the operational backup to the primary SCC in the CMOC. 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. (1) MOD #83679P, AIR FORCE SPACE SURVEILLANCE SYSTEM (AFSSS): FY05 funds provide for continuing hardware 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 pay for receiver power conditioning equipment and receiver timing distribution system refurbishment. Modifications requested in FY05 are identified on the following P-5 and are representative of configuration changes/deficiency corrections to be accomplished. Modifications procured during execution may change based on critical changes/corrections needed to support current Air Force mission requirements.				
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACE MODS SPACE								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
NAVSTAR GPS							{\$11,366}			{\$12,402}			{\$7,711}
VERSION V MCS UPGRADE	A						\$3,265						
HPA (MOD #S219947)	A						\$2,601			\$4,562			
BLACK SHELTER EQUIP UPGRADE (MOD #S5000102401)	A									\$6,088			\$5,944
AMCS COMM INFRASTRUCTURE SPT UPGRADE	A									\$1,752			
OCS V6 SITE MOD	A												\$607
MONITOR STN ENVIRONMENTAL SENSOR (MOD #S5005219609)	A												\$1,160
COTS INTEGRATION EQUIP UPGRADE	A						\$5,500						
474N SEA LAUNCHED BALLISTIC MISSILE (SLBM), DETECTION AND WARNING SYSTEM							{\$3,714}			{\$3,603}			{\$3,661}
PARCS							{\$3,477}			{\$3,603}			{\$3,661}
PARCS ITMS (MOD #S626182)							{\$379}						
PRODUCTION AND INSTALLATION	A						\$367						

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACE MODS SPACE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
PROGRAM SUPPORT							\$12							
PARCS DISPLAY UPGRADE (MOD #S532492)							{\$1,009}			{\$480}				
INTERIM SUPPLY SUPPORT							\$85			\$50				
PRODUCTION AND INSTALLATION	A						\$823			\$380				
PROGRAM SUPPORT							\$101			\$50				
PARCS M&DS UPGRADE (MOD #S532496)							{\$2,089}			{\$3,123}				
INTERIM SUPPLY SUPPORT										\$50				
PRODUCTION AND INSTALLATION	A						\$2,021			\$2,904				
PROGRAM SUPPORT							\$68			\$169				
EVOLUTIONARY MODERNIZATION														{\$3,661}

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACE MODS SPACE									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
DATA TRANSMISSION CONTROLLER, MOD #S532491	A													\$1,339
MISSION SOFTWARE EMULATOR (REPLACE), MOD #10MS-03-003	A													\$1,609
INTERIM SUPPLY ACTIVITY														\$90
PROGRAM SUPPORT														\$623
PAVE PAWS							{\$237}							
SERVICE LIFE EXTENSION PROGRAM							\$178							
PROGRAM SUPPORT							\$59							
496L SPACETRACK NETWORK							{\$9,577}			{\$14,513}				{\$4,974}
AN/FSD-3 GEODSS SYSTEM							{\$9,577}			{\$5,069}				
GEODSS CCD CAMERA (MOD #83679D)	A						\$9,577			\$5,069				

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: SPACE MODS SPACE										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
AF SPACE SURVEILLANCE SYSTEM										(\$9,444)			(\$4,974)		
AFSSS (MOD #83679P)	A									\$9,444			\$4,974		
TOTALS:							\$24,657			\$30,518			\$16,346		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 75								PAGE NO: 238		Page 4 of 4	

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INDIVIDUAL MODIFICATIONS (EXHIBIT P-3A) **DATE:** FEBRUARY 2004

Modification Title and No: Black Shelter Equipment Upgrade Mod **Models of System Affected:** Operational Control System (OCS)

Description/Justification: This mod replaces obsolete, unsupported electronic equipment with Versabus-Module Eurocard (VME) based or similar equipment. VME based equipment increases compatibility with the new control equipment architecture and increases overall reliability and maintainability of the individual components. If not funded, Ground Antenna downtime associated with failed black shelter components will continue to increase and lower operational availability. Uplink and downlink GA capability will also degrade and maintenance costs for repair of failed equipment items will increase.

Development Status/Major Development Milestones: Design Review - JAN 04; Provisioning - APR 04; Formal Qualification Testing (FQT) - AUG 04; Full operational capability - DEC 05.

FINANCIAL PLAN \$ (in Thousands)	PY		FY2003		FY2004		FY2005		FY2006		FY2007		TOTAL	
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost
RDT&E														
Ref. R-1 PE No:														
Total RDT&E Costs														
Procurement														
Equipment Kits					7	3500							7	3500
Equipment Kits non-recurring						1103		2344						3447
Engineering Change Orders														
Data								900						900
Training Equipment														
Support Equipment						135								135
Software						900								900
Interim Contractor Support														
Other														
Total Procurement Costs					7	5638		3244					7	8882
Hardware Installation														
PY Eqpt (0 kits)														
FY03 Eqpt (0 kits)														
FY04 Eqpt (1 kits)						1	450						1	450
FY05 Eqpt (6 kits)								6	2700				6	2700
FY06 Eqpt (0 kits)														
FY07 Eqpt (0 kits)														
Total Installation Costs						1	450	6	2700				7	3150
Total Modification Costs						7	6088		5944				7	12032

Method of Installation: CONTRACTOR, FIELD INSTALL **Admin. Lead-time(After 1 Oct):** 2 Month(s) **Production Lead-time:** 4 Month(s)

Contract Date: PY **FY2003** Jan 04 **FY2005** Nov 04 **FY2006** **FY2007**

Delivery Date: PY **FY2003** May 04 **FY2005** Mar 05 **FY2006** **FY2007**

Installations:	PY	FY2003				FY2004				FY2005				FY2006				FY2007				Total
		1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	
Input						7																7
Output										1	2	2	2									7

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$145,564	\$197,439	\$141,883	\$156,385	\$201,746	\$294,768	\$317,163
<p>Description:</p> <p>The Tactical Communications-Electronics (C-E) equipment procurement program acquires essential command, control, communications, and computer (C4) systems 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), and the Air National Guard (ANG). These funds also replace or upgrade logistically unsupportable communications systems fielded in the Theater Air Control System (TACS) and combat communications units, and procure the next generation of lightweight tactical communications equipment that will support United States flying operations worldwide.</p> <p>Tactical C-E Equipment received \$16.5 million in the FY03 supplemental for Laser Integrated Target Engagement System (LITES). LITES is described in paragraph three below.</p> <p>Tactical C-E Equipment received \$40.48 million in the FY04 supplemental. These FY04 supplemental funds are used to reconstitute Theater Deployable Communications (TDC) suites and Tactical Air Control Party (TACP) Modernization equipment (described in paragraph 1 and 2 below) that were damaged, destroyed, or left behind at deployed areas of operation, in support of the Global War on Terrorism (GWOT).</p> <p>1. THEATER DEPLOYABLE COMMUNICATIONS (TDC) PROGRAM: The TDC Program provides telephone/computer networks and message services to deploying Air Force units. TDC will support a wide range of mission areas and users including: ACC, AMC, USAFE, PACAF, AFSOC and the ANG. For both AMC and AFSOC, TDC provides new combat communications capability not previously available but critical to support Air Expeditionary Force (AEF) operations. In addition, TDC will support joint operations through its link into the joint tactical communications architecture. TDC will play a major role in the successful implementation of the Global Broadcast Service (GBS) to disseminate timely intelligence information to the warfighter. TDC will</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT			
Description support the ground dissemination of GBS information. TDC is composed of three components: Lightweight Multiband Satellite Terminals, Integrated Communications Access Packages, and Network Control Centers - Deployed. Together, these three systems provide the communications infrastructure for deployed austere and bare base operational areas. TDC connects all levels of users, from base up to the President and Secretary of Defense, using various C4 and Intelligence (C4I) applications and the Tactical Internet. TDC funding supports Wing Initial Communications Packages (WICPs), Air Operations Centers (AOCs), Air Support Operations Centers (ASOCs), Control and Reporting Center/Deployed Radar (CRC/DR), as well as expeditionary and robbing 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. The Other Than War (OTW) mission has also generated reconstitution requirements for deployed AEF TDC units that return without their equipment because it remained in theater. TDC is an active participant in the GWOT; equipment was/is used extensively in support of both Operation Enduring Freedom (OEF) and Operation Iraqi Freedom (OIF). FY05 funding provides for the procurements described in subparagraphs below. a. LIGHTWEIGHT MULTIBAND SATELLITE TERMINALS (LMSTs): LMSTs are a critical link, providing the two-way communications connectivity between the deployed base and command authorities at other locations. LMSTs augment existing X-Band tactical satellite terminals and provide a significant increase in capability, leveraging not only military X-band satellite channels and military Ka-bands when available, but also bands available on commercial communications satellites. This alleviates many operational problems, since military X-band channels are nearing capacity. The LMST significantly reduces airlift, requiring just 25 percent of a C-130 load versus a full C-130 load to move the terminal it replaces. The LMST has two functional configurations, hub and spoke, as well as two package configurations, trailer and transit case. Funding includes implementation of a spiral upgrade process to incorporate new communications technologies and capabilities into the baseline. FY05 funds continue procurement of LMSTs and direct mission support. b. INTEGRATED COMMUNICATIONS ACCESS PACKAGE (ICAP): The ICAP program provides modular and scaleable packages of hubs/routers, switches, multiplexers, on-base communications (lasers and microwave radios), crypto and timing equipment, secure voice conferencing, and					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT			
Description <p>secure and non-secure 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 will plug their computer, telephones, and faxes into the backbone the ICAP provides. ICAP provides significant advantages over the legacy system in the areas of 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. For example, the WICP is the smallest sized unit (C-130 load) designed to provide an immediate communications capability during the initial phase of deployment. As subsequent airlift becomes available, additional packages can be added, building up to a full size, robust package. The legacy system lacked this flexibility, requiring a large portion (six to seven C-130 loads) to be in-place before the system became operational. Funding includes implementation of a spiral upgrade/replacement process to incorporate new communications technologies and capabilities into the baseline. FY05 funds continue the procurement of ICAP and direct mission support.</p> <p>c. NETWORK CONTROL CENTER - DEPLOYED (NCC-D): NCC-D, formerly known as Network Management System/Base Information 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. Formerly an integral part of the ICAP suite, this capability was separated for better management oversight. Funding includes implementation of a spiral upgrade process to incorporate new communications technologies and capabilities into the baseline. FY05 funds continue procurement of NCC-D capabilities and direct mission support.</p> <p>2. TACTICAL AIR CONTROL PARTY (TACP) MODERNIZATION: The TACP Modernization Program enhances the ability of TACPs to interface with joint and multinational forces by replacing aging communications and information systems equipment utilized by ACC, USAFE, and PACAF TACPs. TACPs deploy with Army maneuver units and provide the command and control link for close air support (CAS), airlift, and reconnaissance. TACP Modernization provides GPS digital targeting using Laser Ranger Finders and will, as part of spiral development, integrate Laser Target Designators and Thermal Imagers, ultra high frequency (UHF) satellite communications (SATCOM), data capabilities, process automation, and integrated capabilities to</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT			
Description improve operational effectiveness and reduce the risk of fratricide. Without modernization, TACPs will not be interoperable with the US Army's digitized battlefield and processing close air support requests will be delayed, jeopardizing support of ground forces. The TACP Modernization Program is an active participant in the GWOT and continues to significantly increase the mission effectiveness of the TACPs during OEF and OIF. The TACP Modernization Program consists of four components. Components depicted on the P-5 are representative. Components procured during execution may change based on the most critical equipment needed to support Air Force mission critical requirements. a. LASER RANGE FINDERS/LASER TARGET DESIGNATORS/THERMAL IMAGERS: FY05 funding will procure and field additional Laser Range Finders (LRFs). b. COMPUTERS: Ruggedized computers with Global Positioning System (GPS) functionality along with information software to provide gateway functionality and to display situational awareness imagery and messages in the battlefield environment and Interim Contractor Support (ICS). FY05 funds continue computer procurement. c. MANPACK RADIOS: No FY05 funding is requested. d. VEHICULAR COMMUNICATIONS SYSTEMS (VCS). Development funding for VCS is in Program Element 27423F, Advanced Communications Systems. FY05 funding will procure the first of our Low Rate Initial Production (LRIP) quantity buy. 3. LASER INTEGRATED TARGET ENGAGEMENT SYSTEM (LITES): Provides a suite of equipment for Combat Controllers to perform Terminal Attack Control for air-dropped precision attack weapons. Current amalgamation of equipment is unwieldy, too heavy, and includes a human error factor. Combat Controllers operate dismounted at altitudes of 10,000 feet with approx. 150 pound packs (approx. 75 pounds from current terminal control equipment) and calculate coordinates using pencil/paper and then transmit data to aircraft via voice over radio. Current targeting equipment is limited in					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT			
Description <p>range, line of sight, and information management. The LITES is an integrated system combining the capabilities of multiple systems into a small, lightweight, waterproof, interoperable, and upgradeable system. Functionality is required for current and future GWOT operations by supporting air-dropped precision attack weapons and the capture of target data from stand-off distances (up to 10km), and provides aircrew digital information needed to quickly, effectively, and accurately deliver weapons on time, on target. FY05 funding will procure LITES.</p> <p>4. JOINT TACTICAL RADIO SYSTEM (JTRS): Development funding for JTRS is in Program Element 64280F, Joint Tactical Radio Systems. JTRS is the Department of Defense family of common software-defined programmable radios that will form the foundation of information radio frequency transmission for Joint Vision 2020. JTRS will eventually replace all existing tactical radios through the Services' migration plans and introduce new capabilities to the warfighter. 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 (SCA), which allows common software waveform applications to be implemented across the family of radios. The Air Force established an acquisition program office in late FY02 and is the lead Service for all AF JTRS requirements for tactical communications (i.e. handheld, fixed stations, etc). These requirements will be met by collaboration with other Services' JTRS clusters. FY05 funds will be used to purchase handheld JTRS in collaboration with JTRS Cluster 2.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
TDC PROGRAM							{\$117,131}			{(\$194,844)}			{(\$115,018)}
LMST	A						\$19,706			\$30,035			\$38,672
ICAP	A						\$88,550			\$149,238			\$69,769
NCC-D	A						\$8,876			\$15,571			\$6,577
TACP MODERNIZATION							{(\$11,933)}			{(\$2,595)}			{(\$18,941)}
LASER RANGE FINDERS	A												\$10,501
COMPUTERS	A						\$7,779			\$2,595			\$2,000
MANPACK RADIOS	A						\$4,154						
VEHICULAR COMMUNICATIONS SYSTEMS	A												\$6,440
LITES	A						\$16,500						\$6,963

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
JTRS PROGRAM	A													\$961
TOTALS:							\$145,564			\$197,439				\$141,883

Remarks:
Total Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT						
ITEM / 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(1-4)										
LMST(1)										
FY2003			AFMC/ESC	MIPR/OPT/FFP	NAVY SPAWAR SYSCEN - L3/HAUPPAUGE, NY	Jan-03	Jan-04			
FY2004			AFMC/ESC	MIPR/OPT/FFP	NAVY SPAWAR SYSCEN - L3/HAUPPAUGE, NY	Jan-04	Jan-05			
FY2005			AFMC/ESC	MIPR/OPT/FFP	NAVY SPAWAR SYSCEN - L3/HAUPPAUGE, NY	Jan-05	Jan-06	Yes		
ICAP(1)										
FY2003(2)			AFMC/ESC	OPT/FFP	GDDS, SCOTTSDALE, AZ AND REDCOM/VICTOR, NY	Dec-02	Jun-03			
FY2004(2)			AFMC/ESC	OPT/FFP	GDDS, SCOTTSDALE, AZ AND REDCOM/VICTOR, NY	Dec-03	Jun-04			
FY2005(2)			AFMC/ESC	OPT/FFP	GDDS, SCOTTSDALE, AZ AND REDCOM/VICTOR, NY	Dec-04	Jun-05	Yes		
NCC-D(1)										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT
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ITEM / 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
FY2003			AFMC/ESC	C/FFP	NAVY SPAWAR SYSCEN - GTSI CORP/CHANTILLY, VA	Feb-03	Jul-03		
FY2004			AFMC/ESC	C/FFP	UNKNOWN	Mar-04	Jul-04	Yes	
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Feb-05	Jul-05	Yes	
TACP MODERNIZATION									
LASER RANGE FINDERS									
FY2005			AFMC/ESC	C/FFP	UNKNOWN	Dec-04	Aug-05	Yes	
COMPUTERS									
FY2003(3)			AFMC/ESC	DO/FFP	MULTIPLE	Nov-02	Jan-03		
FY2004(3)			AFMC/ESC	DO/FFP	MULTIPLE	Jan-04	Mar-04		
FY2005(3)			AFMC/ESC	DO/FFP	MULTIPLE	Nov-04	Jan-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT						
ITEM / 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	
MANPACK RADIOS										
FY2003			AFMC/ESC	DO/FFP	HARRIS CORP/ROCHESTER, NY	Mar-03	Apr-03			
VEHICULAR COMMUNICATIONS SYSTEMS										
FY2005(4)			AFMC/ESC	MIPR/CPAF	ARMY TACTICAL C2 SYS - BOEING/ANAHEIM, CA	Jun-05	Sep-06	Yes		
LITES										
FY2003			AFMC/ASC	SS/CPFF	OPTICAL AIR DATA SYSTEMS/MANASSAS, VA	Feb-03	May-04			
FY2005(5)			AFMC/ASC	OPT/CPFF	OPTICAL AIR DATA SYSTEMS/MANASSAS, VA	Jan-05	May-05	Yes		
JTRS PROGRAM										
FY2005			AFMC/ESC	MIPR/FFP	SOCOM, THALES COMMUNICATIONS, INC/CLARKSBURG, MD	Mar-05	Dec-05	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TACTICAL C-E EQUIPMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>Remarks:</p> <p>(1) Quantity and unit cost vary because of different types/configurations being procured.</p> <p>(2) Base contract awarded Jun 02 to GDDS, Scottsdale, AZ and REDCOM Laboratories Inc, Victor, NY.</p> <p>(3) Multiple contractors will be used. Examples of these contractors are: Tallahassee Technologies, Tallahassee, FL; TRW, San Antonio, TX; CDW-G, Vernon Hills, IL.</p> <p>(4) TACP-M VCS Low Rate Initial Production (LRIP) contracts are priced options on the FY02 JTRS Cluster 1 System Design & Development (SDD) contract with Boeing, Anaheim, CA awarded Jun 02. There will not be a new contract vehicle for the LRIP production.</p> <p>(5) LITES contract first awarded Feb 03 to Optical Air Data Systems, Manassas, VA.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)						DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR (CSEL)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY		320	385	1,135	2,276	2,467	2,191	2,209
COST (in Thousands)		\$5,941	\$7,383	\$13,936	\$24,563	\$26,881	\$26,641	\$26,807
<p>Description:</p> <p>The Combat Survivor Evader Locator (CSEL) joint program, led by the Air Force, will replace existing PRC-90 and PRC-112 survival radios with a new end-to-end system providing enhanced Combat Search-and-Rescue capabilities. The Air Force is the Lead Service and Air Combat Command (ACC) is the Lead Command for CSEL. This system is composed of [1] a user segment featuring a new multi-function, software re-programmable hand-held radio that incorporates near-real-time Global Positioning System (GPS) geopositioning; [2] a satellite communications segment incorporating four Ultra High Frequency (UHF) Base Stations (UBSs) co-located with Navy command and control facilities to support secure two-way over-the-horizon data messaging; and [3] a ground segment containing a Joint Search and Rescue Center (JSRC) software application allowing command and control interfaces with other government systems.</p> <p>In February 1996, a cost-plus-award-fee Research, Development, Test & Evaluation (RDT&E) contract was awarded for CSEL Engineering and Manufacturing Development. (Reference the RDT&E Budget Justification Exhibits for Program Element 0305176F.) The first production option was awarded in July 1997, and the first Low Rate Initial Production (LRIP) radios were delivered in the third quarter of FY99. In February 2000 the Joint Requirements Oversight Council approved the updated CSEL Operational Requirements Document, which established an evolutionary two-block system development/fielding approach. LRIP radio production for Block 1, the current configuration, began in the fourth quarter of FY01 after an operational assessment and continued through FY03; full-rate production will begin in FY04. Ongoing Block 2 development will add technical interoperability enhancements. Ultimately, the Air Force, Army, and Navy will procure approximately 44,000 CSEL radios, including over 17,500 for the Air Force.</p> <p>FY05 funding will continue radio production and purchase 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.</p>								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR (CSEL)									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
CSEL SYSTEM					320		{\$5,941,000}	385		{\$7,383,000}	1,135		{\$13,936,000}	
CSEL RADIO (1)	B				320		\$2,841,280	385		\$3,235,925	1,135		\$8,714,530	
PROGRAM SUPPORT EQUIPMENT (2)							\$701,000			\$1,071,000			\$2,954,000	
PRODUCTION ENGINEERING							\$260,720			\$1,296,075			\$720,470	
DIRECT MISSION SUPPORT (3)							\$2,138,000			\$1,780,000			\$1,547,000	
TOTALS:					320		\$5,941,000	385		\$7,383,000	1,135		\$13,936,000	
<p>Remarks: Total Cost information is in actual dollars.</p> <p>(1) Unit costs per FY are contingent upon the total radio quantity purchased by all 3 services. A reduction in any service's procurement in a given FY increases the unit cost for all radios funded in that year.</p> <p>(2) Program support equipment includes, but is not limited to, radio set adapters, mission planning software, batteries, antennas, earpieces, battery chargers, charger adapters, training aids, & hand-held warranties.</p> <p>(3) Includes Secret Internet Protocol Router Network (SIPRNET) connection/user fees, Federally Funded Research & Development Centers (FFRDC) support, Space & Naval Warfare Systems Command (SPAWAR) & Electronic Proving Ground support, & other government contractor/travel support.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMBAT SURVIVOR EVADER LOCATOR (CSEL)
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ITEM / 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									
FY2003	320		AFSPC/SMC	SS/FFP	BOEING/ANAHEIM, CA	Apr-03	Jun-04		
FY2004	385		AFSPC/SMC	SS/FFP	BOEING/ANAHEIM, CA	Jun-04	Mar-05	Yes	
FY2005	1,135		AFSPC/SMC	SS/FFP	BOEING/ANAHEIM, CA	Nov-04	Aug-05	Yes	

Remarks:

(1) 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.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: RADIO EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,363	\$9,138	\$8,777	\$8,604	\$8,360	\$8,535	\$8,708
<p>Description:</p> <p>The Radio Equipment Element consists of three separately managed efforts: SCOPE Command High Frequency (HF) Radio Station Replacement; Air Force Office of Special Investigations (AFOSI) Tactical Radio System; and Air Combat Command (ACC) Trunked Land Mobile Radio System. This Radio Equipment Element procures new, HF radio equipment and supports its integration for the Air Force (AF), and upgrades or procures tactical/land mobile radio systems at various AF installations. 1. The SCOPE Command program modernizes the High Frequency Global Communications System (HFGCS) radio stations located strategically around the world. This Command and Control/National Security System (C2/NSS) is the Defense Department's only high power, high frequency command and control network. Due to a declining support posture, and on-going efforts to collocate/close United States (US) facilities overseas, the Department of Defense (DoD) Mission Area Review directed the Services/Agencies to reduce and collocate HF resources throughout the world. The Joint Chiefs of Staff (JCS) tasked the AF to be the executive agent for the DoD HF collocation effort. 2. Supporting the Air Force Office of Special Investigation (AFOSI), their Tactical Radio System program plans, acquires, and implements Land Mobile Radios (LMR) upgrades in support of worldwide requirements. 3. The Air Combat Command (ACC) Trunked LMR System procures trunking equipment that allows ACC to more effectively and efficiently use the National Telecommunications and Information Administration allocated frequency bands.</p> <p>1. SCOPE COMMAND HIGH FREQUENCY (HF) RADIO STATION REPLACEMENT: The SCOPE Command program received \$230,000 in the FY04 supplemental. The SCOPE Command program provides for modernization of selected high power HF ground radio equipment which serves as the primary command and control resource for Air Mobility Command (AMC) cargo and tanker aircraft. This program supports Mystic Star, 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. A Teleport capable system, it supports war plans and the daily operational requirements of the following organizations: White House Communications Agency (WHCA); JCS; US Strategic Command (USSTRATCOM), supporting the National Military Command Center with</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: RADIO EQUIPMENT			
Description <p>Emergency Action Message distribution; AMC; Special Air Mission (SAM) Fleet communications; ACC; Air Intelligence Agency (AIA); Air Force Space Command (AFSPC); United States Air Forces Europe (USAFE); and Pacific Air Forces (PACAF).</p> <p>The SCOPE Command program upgrades 15 Air Force HF Global sites in accordance with the DoD's rightsizing direction with state-of-the-art, commercial-off-the-shelf HF radio equipment.</p> <p>To eliminate a single point of failure deficiency (identified as part of the post 9/11 mission review) and to meet system survivability needs, an alternate/backup network control station (ANCS) is required to ensure uninterrupted operations for this critical command and control system. This effort requires building block/spiral upgrades to the existing control network in order to allow for the integration of the ANCS capability into the HFGCS operational environment. This work includes the ANCS's definition, design, proof of concept, installation, integration, and operational testing costs required to implement this capability.</p> <p>In support of US Central Command's (CENTCOM's) requirement to improve HF communications in their area of responsibility (AOR), funding initiates the engineering and technical analysis required to upgrade HF capabilities and support integration/interface into the Defense Information Systems Network. Funds will also begin procurement of long lead-time items to support this CENTCOM requirement. This work includes the definition, design, installation, integration, and operational testing costs necessary to implement this capability.</p> <p>Additional program requirements and costs include SCOPE Command implementation of Secure/Non-Secure HF Email and HF antennas upgrade/replacement. An HF Email capability is required to provide the means to send and receive E-mail messages between aircraft and ground stations via the HFGCS Network. This capability provides improved command, control, and communications, and enhanced mission safety through the transmission of pilot information, weather updates, and general mission information. The HF E-mail program includes the engineering, integration, equipment procurement, and installation for SCOPE Command ground stations and aircraft interface. Also included is the selective replacement/upgrade of older, degraded HF antennas, as required, to support the HFGCS World Wide Communications Network mission requirements.</p> <p>FY05 continues network modernization/improvement (including an alternate/backup (ANCS) capability) efforts, engineering, integration, network management, and security upgrades IAW DoD directives. Funding supports preliminary engineering efforts required to integrate Joint Tactical Radio System equipment, mandated as the Department's target radio system, and interfaces equipment into the HFGCS network. Funds continue support of engineering and technical analysis, and the remainder of station components required to support CENTCOM's requirement to improve HF communications support in their AOR. FY05 funding continues HF antenna procurement and installation.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: RADIO EQUIPMENT			
Description					
<p>2. AIR FORCE OFFICE OF SPECIAL INVESTIGATIONS (AFOSI) TACTICAL RADIO SYSTEM: This program is responsible for planning, acquisition, and implementation of AFOSI Land Mobile Radios (LMRs) command-wide. AFOSI LMR equipment provides secure, two-way communications between AFOSI personnel conducting counterintelligence and criminal investigative operations, protective service operations, and surveillance detection operations in support of AF commanders and deployed DoD units at more than 190 worldwide locations. The goal of the LMR program is to procure standardized equipment to maximize interoperability throughout the command. FY05 funding procures portable LMR equipment with a narrow band capability.</p>					
<p>3. AIR COMBAT COMMAND (ACC) TRUNKED LAND MOBILE RADIO SYSTEM: FY05 funding purchases required LMR trunking systems that ACC bases use as a primary command and control system. Current systems are severely limited and will negatively impact mission operations unless ACC completely changes out all existing LMR networks. ACC approved LMR trunking as the best technical solution. LMR trunking systems consist mainly of consoles, channel banks, repeaters, controllers, modem racks and boards, and other miscellaneous items (installation, software, training). Implementation is phased with the installation of this infrastructure equipment. The National Telecommunications and Information Administration (NTIA) assigned all bases appropriate frequencies needed for LMR trunking.</p>					
<p>4. 139TH AIR NATIONAL GUARD WING RADIO UPGRADES. No FY05 funding requested.</p>					
<p>Items requested in FY05 are identified in the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: RADIO EQUIPMENT										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		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							(\$8,046)			(\$7,469)			(\$7,298)		
NETWORK MODERNIZATION/ IMPROVEMENTS	A						\$5,618			\$4,689			\$2,307		
ANTENNAS	A						\$1,706			\$1,932			\$2,071		
ENGR/INTEGRATION/TNG							\$722			\$848			\$2,920		
AFOSI TACTICAL RADIO SYSTEM	A						\$406			\$619			\$394		
ACC TRUNKED LMR SYSTEM	A						\$1,416			\$1,050			\$1,085		
139TH AIR NATIONAL GUARD WING RADIO UPGRADES	A						\$495								
TOTALS:							\$10,363			\$9,138			\$8,777		
Remarks: Total Cost information is in thousands of dollars.															
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: RADIO EQUIPMENT						
ITEM / 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(1-3)										
FY2003(1)			AFMC/OC-ALC	DO/CPFF	ROCKWELL/RICHARDSON, TX	Jun-03	Jan-04			
FY2004(1)			AFMC/OC-ALC	DO/CPFF	ROCKWELL/RICHARDSON, TX	Jun-04	Jan-05	Yes		
FY2005(1)			AFMC/OC-ALC	DO/CPFF	ROCKWELL/RICHARDSON, TX	Jan-05	Jan-06	Yes		
ANTENNAS										
FY2003(1-2)			AFMC/OC-ALC	MIPR (2)/FFP	MULTIPLE	Feb-03	Aug-03			
FY2004(1-2)			AFMC/OC-ALC	MIPR (2)/FFP	MULTIPLE	Feb-04	Aug-04	Yes		
FY2005(1-2)			AFMC/OC-ALC	MIPR (2)/FFP	MULTIPLE	Feb-05	Aug-05	Yes		
AFOSI TACTICAL RADIO SYSTEM										
FY2003(1)			HQ AFOSI	MIPR/FP	GSA, BASE RADIO SYSTEMS/FT MONMOUTH, NJ	Feb-03	Apr-04			

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:
RADIO EQUIPMENT

ITEM / 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
FY2004(1)			HQ AFOSI	MIPR/FP	GSA, BASE RADIO SYSTEMS/FT MONMOUTH, NJ	Feb-04	Apr-05		
FY2005(1)			HQ AFOSI	MIPR/FP	GSA, BASE RADIO SYSTEMS/FT MONMOUTH, NJ	Feb-05	Apr-06	Yes	
ACC TRUNKED LMR SYSTEM									
FY2003(1,3)			HQ ACC	OPT/FFP	MULTIPLE	Mar-03	Jan-04		
FY2004(1,3)			HQ ACC	OPT/FFP	MULTIPLE	Mar-04	Dec-04	Yes	
FY2005(1,3)			HQ ACC	OPT/FFP	MULTIPLE	Mar-05	Dec-05	Yes	
139TH AIR NATIONAL GUARD WING RADIO UPGRADES									
FY2003			139TH AIRLIFT WING	DO/FFP	GSA, MOTOROLA/HANOVER MD.	Mar-03	May-03		

Remarks:

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: RADIO EQUIPMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) Quantities and unit costs vary due to site specific requirements.</p> <p>(2) Contract issued through the Navy and GSA via a Military Inter-Departmental Purchase Request (MIPR).</p> <p>(3) Multiple options from existing ACC, AETC, and GSA schedule contracts. Award/delivery dates represent dates of first contract award and delivery.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: TV EQUIPMENT (AFRTV)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$2,623	\$2,571	\$5,112	\$5,832	\$2,691	\$2,703	\$2,758
<p>Description:</p> <p>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, Air Combat Command, Joint Space Command, Air Force Space Command, and United States European Command. This program also procures radio and television equipment for the Air Force News Agency (AFNEWS) Production Center, Lackland Air Force Base (AFB), 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.</p> <ol style="list-style-type: none"> 1. AFRTS EQUIPMENT PROCUREMENT: FY05 funds will procure electronic news gathering (ENG) equipment in support of Direct to Home Television. Equipment will allow local AFRTS to insert local information giving commanders instant communication with their people on and off-base. This will increase force protection and keep American military and their families overseas informed on local and world events. 2. AFNEWS PRODUCTION CENTER: FY05 funds will procure lifecycle replacement of digital video cameras and wireless microphone systems, upgrades to NT based non-linear 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 FY05 will also pay for Scientific Atlanta PowerVu Plus Encoding/Encryption uplink system at the AFRTS Broadcast Center (BC), populated with 9 services, 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 satellite. 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: TV EQUIPMENT (AFRTV)			
Description Items requested in FY05 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 AF mission requirements.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: TV EQUIPMENT (AFRTV)
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TV EQUIPMENT (AFRTV)									
AFRTS EQ PROCUREMENT	A				\$2,353		\$2,286		\$4,822
AFNEWS PRODUCTION CENTER	A				\$270		\$285		\$290
TOTALS:					\$2,623		\$2,571		\$5,112

Remarks:

Cost information is in thousands of dollars.

FY05 funding increase covers Direct to Home (DTH)-Scientific Atlanta (Lawrenceville, GA) PowerVu Plus Encoding/Encryption uplink system at the AFRT Broadcast Center (BC), populated with 9 services, 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 satellite. Scientific Atlanta is the only DoD approved (as a result of competitive requirements process) sole source provider of this equipment for AFRTS transport and distribution.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: CCTV/AUDIOVISUAL EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,341	\$3,214	\$3,271	\$3,320	\$8,417	\$9,684	\$8,809
<p>Description:</p> <p>Closed Circuit Television (CCTV) and Audiovisual (AV) systems and their products are used throughout the Air Force to help inform, train, and employ war fighters. Video and multimedia based products are developed for war fighter 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. These funds replace older video studio systems with newer and more capable equipment and systems for Air Force video production and combat/contingency documentation teams. 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. CCTV systems are centrally managed to establish and maintain standardization of systems, as well as to insure full interoperability with all other electronic image acquisition, transmission system formats, and presentation systems used in the Air Force.</p> <p>1. IMAGE ACQUISITION/TELEVISION STUDIO EQUIPMENT: FY05 funds continue procurement of 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. The 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.</p> <p>2. COMBAT CAMERA SYSTEMS: FY05 funds continue to replace heavily used and worn mobile combat documentation video cameras and night vision lenses, portable video recorders, and portable non-linear digital video editors for mobility tasked combat camera and Multimedia forces world-wide. This program provides for technology upgrades to portable video systems and includes lightweight digital video cameras and camcorders providing enhanced</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: CCTV/AUDIOVISUAL EQUIPMENT			
Description video quality to the war fighter. These newer systems reduce the transportation footprint, reduce work load, and enable combat camera personnel to transmit motion and still imagery across satellite and terrestrial systems providing war fighters with greater flexibility in decision-making with real-time operational and combat imagery. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT

P-1 NOMENCLATURE:

CCTV/AUDIOVISUAL EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
IMAGE ACQ/TV STUDIO EQUIP	A				\$1,671,000		\$1,605,000		\$1,632,000
COMBAT CAMERA SYSTEMS	A				\$1,670,000		\$1,609,000		\$1,639,000
TOTALS:					\$3,341,000		\$3,214,000		\$3,271,000

Remarks:

Cost information is in actual dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$190,210	\$167,934	\$118,935	\$118,096	\$103,963	\$134,323	\$101,534
<p>Description:</p> <p>The Base Communications Infrastructure (BCI) program supports upward generated requirements from the Air Force Major Commands (MAJCOMs), Guard and Reserves, and respective bases. MAJCOMs, Guard and Reserve, 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 Air National Guard to fund their entire communications infrastructure requirements. Air Force-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).</p> <p>1. HEADQUARTERS AIR FORCE COMMUNICATIONS AGENCY (HQ AFCA): This program procures communications and information systems equipment supporting the information technology (IT) mission. FY05 funding procures real-time video systems, satellite terminal upgrades, and high-speed data processing equipment that support models and simulations.</p> <p>This program also funds AF-wide procurement of commercial off the shelf 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 & Information Administration (NTIA) narrowband mandate. Failure to procure NTIA narrowband mandated 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.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description					
<p>2. AIR NATIONAL GUARD (ANG): FY05 funds provide for expansion, modernization, and sustainment of base communications infrastructure at 88 ANG flying wings and over 200 geographically separated units (GSU) including Network Operations Support Centers (NOSC) and six Regional Operations Support Centers (ROSC).</p> <p>Funds support “top-down” ANG-wide programs promoting base communications infrastructure consistency across the ANG. Funding provides engineering and installation support, and command wide purchases of hardware and software. This ensures that consistent, compatible, and interoperable technology and architecture is employed. This across-the-board functionality ensures interoperability between ANG networks, active-duty AF networks and those of other Services. Funds support voice, video, sensor, imagery, and data convergence projects to promote compatibility with evolving active duty AF architectures. As such, funding provides for upgrades, technological advances and sustained maintenance of the developed systems.</p> <p>In addition to funding ANG-wide programs, funds also provide solutions for critical base-level communication infrastructure requirements. Specific projects at each ANG base vary somewhat because the requirements and solutions may vary. However, the various solutions must comply with AF approved architectures, regulations, network designs, and equipment specifications. This ensures communications compatibility across the ANG.</p> <p>Procured equipment satisfy 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. Office appliances include end user and deployable computer systems; video systems; media, projection, and video systems, including the premise wiring and cabling supporting such devices. Also, many bases 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 TADIL, surveillance and intrusion detection systems, radio frequency identification tagging (RFID), infrared, remote controlled vehicles, technological upgrades, and sustained maintenance of the developed systems.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description DIGITAL DEPLOYED TRAINING CAMPUS FIELDING PROGRAM. In FY04, Congress added \$2.1M for this program. Reference Appropriations Conference Report 108-283, Sep 24, 2003. Funded program will procure the set up of small training centers in deployed areas. 3. HEADQUARTERS AIR FORCE SPACE COMMAND (HQ AFSPC): Funds support Air Force Space Command base communications command-wide modernization and life cycle replacement of information transmission systems, base information infrastructure, Command Engineering and Installation (E&I) program, 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) and software, upgrades and replacements for secure/nonsecure telephone switches at main bases and remote geographically separate units, and life cycle replacement of base communications infrastructure. Additionally funds support CIO, IT Summit, and Command Initiatives e.g. Server Consolidation and the Command Enterprise. FY05 funds continue the AFSPC land mobile radio transition program to meet the NTIA narrowband mandates, and provide LMR system infrastructure upgrades at Space Command's seven Wings and geographically separated locations. FY05 funds continue support for the Buckley AFB, CO standup started in FY01. Buckley AFB is transitioning from a Guard air base to an active duty air base, having a greatly more expanded and robust mission. The base telephone switch requires upgrading to provide telecommunications services for the Wing Headquarters to meet the base growth and mission increases. Failure to fund vital communications services supporting the Buckley AFB buildup will hinder day-to-day communications and disrupt the Space satellite control and test missions. Funds also support the Systems Acquisition Management Support (SAMS) relocation project, also referred to as the Los Angeles AFB (LA AFB) Relocation. This project relocates base communications systems and equipment from an earthquake prone location into a new facility. Any funding interruption impedes the AF mission by disrupting critical communications, delaying building occupancy, and impacting ops tempo support. Also, in FY05 Server Consolidation and the Command Enterprise efforts expand to include AFSPC Geographically Separated Units (GSU's). This effort includes Windows 2000 and Exchange 2003 installations, launching active directory, email system consolidation, and system management server (SMS)					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description deployment. Funding is essential to provide standard network and configuration control between main operating bases (MOB) and GSUs. 4. HQ US AIR FORCE EUROPE (USAFE): FY05 funding supports base communications infrastructure expansion and modernization to include engineering, procurement, and installation at bases, geographically separated units (GSU), geographically separated locations (GSL), and MAJCOM headquarters. This includes replacing maintenance intensive equipment and outdated network management systems, and increasing the capacity of saturated information transmission systems. Specific base communications infrastructure improvements provide critical command and control communications supporting security, fire, medical, and response teams charged to defend and protect Americans living outside the CONUS. For example, one communications project at Aviano AB allows base commanders to provide critical oversight and direction to security protection and emergency response operations. This enables base security to quickly and effectively react to potential threats and respond to incidents. FY05 funding will also replace telephone switch batteries and software at Croughton, and Mildenhall as well as acquiring and installing a switch expansion for Ramstein. FY05 funds procure a new communications link between RAF Mildenhall, UK and RAF Lakenheath, UK via RAF Feltwell, UK. This link consists of fiber optic cable contained within a manhole and conduit system. It provides a secondary communication means between these two critical sites in case of catastrophic failure to the existing primary cable. FY05 funds complete a project routing fiber optic cable into hardened aircraft shelters (HAS) at Spangdahlem AB, Germany. This fiber optic communications link provides assured communications supporting HAS security systems protecting valuable mission-ready assets. Funds support the Air Staff/CIO-directed server consolidation initiative (“One Air Force...One Network” philosophy). Upgrades to storage area networks (SAN) at three Aviano AB, Italy, GSUs will provide centralized management, increased reliability, and improved support for network customers. FY05 funds support LMR narrow-band transitions at Aviano AB. This purchase enhances mobile communications compatibility between USAFE and other MAJCOMs, as well as other Services.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description					
<p>5. HEADQUARTERS AIR EDUCATION AND TRAINING COMMAND (HQ AETC): FY05 funds support various distinct programs for AETC, each detailed below.</p> <p>a. TECHNICAL TRAINING MANAGEMENT SYSTEM (TTMS): FY05 funds provide Automatic Data Processing Equipment modernization systems to include workstations, servers, desktop PCs, software, and secure communications. Funded upgrades will enable TTMS systems to meet the advanced technical training requirements for 175,000 trainees per year in 20 different career fields, at over eighty-six AETC training sites. Modernization will provide automated tracking of training equipment utilization, costs, and capacities. Resulting data enables AETC to more efficiently manage training equipment assets, lowering future purchase and sustainment costs. TTMS upgrades also support electronic documentation, online access, and tracking of all AETC command-standard evaluations (Graduate Assessment Survey, End of Course Critique and the Field Evaluations Questionnaire) and Instructor Records.</p> <p>b. COMMUNICATIONS ENGINEERING AND INSTALLATION (EI) PROGRAM: FY05 funding provides base communications infrastructure connectivity (fiber optic cable or copper wiring) and major communications systems equipment supporting “non-CITS” telephone switch replacements, installation warning systems, command and control consoles, and narrow-band LMRs not provided by AFCA funding.</p> <p>Copper communications cables at many AETC bases are extremely old, antiquated, and buried underground without protective shielding. Cable failures are increasingly expensive to repair. FY05 funding provides required engineering and installation of manhole/duct systems, new cable, and building termination. Funding is essential because the copper cables provide the dial tone to every telephone on any given installation.</p> <p>FY05 funds support installation of new communication switches at Columbus, Lackland, Tyndall, Luke, Vance, and Goodfellow AFBs. Current switches have exceeded their ten-year life expectancy. Maintenance costs are increasing rapidly as they fail more often and vendors find it difficult to source replacement parts. These switches provide the network backbone supporting AF mandated and essential systems (i.e., CAMS, TMS, GCSS). Funding is essential to avoid an extended network outage that would critically impact mission success.</p>					
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Description					
<p>Funds also support new telephone switch installations and expansion of some current switches at Keesler, Randolph, Lackland and Tyndall AFBs, to mitigate future telephone service scarcity. Projected telephone requirements for new facilities under construction exceed the current base capacities.</p> <p>FY05 funds provide a consolidated AETC command program for Giant Voice installations, upgrades, and maintenance. Giant Voice is the critical Installation Warning System (IWS) giving commanders the ability to quickly and accurately notify base personal at any emergency situations. Announcements include notifications of potential or actual emergencies or threats such as impending natural disaster (such as a tornado) or terrorist attack. Giant Voice provides several means of emergency notification to include a loudspeaker system located throughout each base, an automated telephone system designed to call each telephone with a (recorded) message, as well as transmitting emergency notifications to the Commander's channel (television) and to personal computers via base network.</p> <p>FY05 funds will also provide additional Secret Internet Protocol Router Network (SIPRNet) connectivity at multiple AETC bases. The need to transmit classified 'secret' data 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.</p> <p>FY05 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 NOSC. This provides AETC the ability to centrally manage and standardize file, print, and Web services. Consolidation also provides enhanced data recovery due to centralized backups. If not funded, bases will continue supporting "duplicate" isolated systems unable to provide enhanced features and improved network security.</p> <p>c. AIR FORCE RECRUITING INFORMATION SUPPORT SYSTEM (AFRISS): AFRISS is a cradle-to-grave staffing system that serves as a Total Force accession and enlistment processing application. AFRISS is centrally managed, Web-accessible, and available 365/24x7 to 4,000 users worldwide. System goals are to automate and streamline recruiting processes to administer recruitments more efficiently, and provide improved integration with the Air Force Personnel Data System (MilPDS).</p>					
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Description					
<p>FY05 funds procure telecommunications hardware (servers, switching upgrades, and routers) and software, backup software, lifecycle replacement, and other required enhancements to support critical recruiting business practices, applicant entry into active duty, and a sizeable recruiter force comprised of all Air Force components; Active Duty, Air National Guard, and Reserves.</p> <p>AFRISS is the sole Air Force accession processing system. Loss of system sustainment capability would immediately hinder new enlistments/accessions and significantly degrade the accession, training, and operational readiness postures of the Air Force.</p> <p>6. HQ AIR FORCE MATERIAL COMMAND (HQ AFMC): FY05 funding supports engineering, acquisition, and installation of network infrastructure upgrades for the classified and unclassified networks as part of a multi-year effort. The primary focus is in a robust regional architecture consisting of four regional nodes consolidating servers and storage at a MAJCOM level, providing operating efficiencies, superior security, and business continuity.</p> <p>FY05 funding implements the fourth and final regional node at Hill AFB, AFMC's western regional data hub. This hub has the same IT 'bill of materials' as the Tinker AFB hub supported by previous year funds. Some equipment includes SANs, servers, ethernet switches, and HTTP/HTTPS equipment (DNS units). Both hubs will contain sufficient storage to support both regions individually. This redundancy eliminates the 'single point of failure' risk and provides 99.999% assuredness for mission system support.</p> <p>This storage architecture supports over 70,000 network users (50% of the AFMC enterprise) and thirty terabytes (TB) of core data (email, common files, Web data). Additionally, the architecture provides a scalable foundation to support another 100 TB of mission application/business system data. Both the Tinker AFB and Hill AFB sites are required because the risk of any downtime during critical operations is simply not acceptable.</p> <p>Additional infrastructure upgrades include expansion of classified network access (not covered by AF CITS and AFSN programs) and standardization/capacity upgrades of network devices. This central oversight/control of network configuration (i.e., automatic software patch distribution)</p>					
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Description provides increased network security. FY05 funding also provides infrastructure replacements and upgrades. These include fiber and copper cables, classified network expansion with additional connections, and the first 400 feet when not provided by AF CITS. 7. HQ PACIFIC AIR FORCE (HQ PACAF): This program procures communications and information systems equipment supporting the IT mission. Funding supports network expansion and modernization by providing infrastructure engineering, procurement, and installation. Procurements include network equipment, network servers, fiber, metallic wiring, fiber optic transceivers, network hubs, and voice and data switching equipment not covered by the CITS program. A top priority is expansion of the PACAF-wide secret-level network to improve warfighter network access. This network expansion will provide classified connectivity for the remaining Mission Critical (Core 1), all Mission Essential (Core 2), and Mission Support (Core 3) buildings at each of 9 main operating bases (MOBs). This effort will satisfy existing requirements with room for growth and modularity, easing future upgrades. It provides an expanded network with bandwidth and switch port capacity to meet demanding new requirements, such as imagery requirements, as well as support for follow-on forces deploying to PACAF bases with minimal effort or additions to the infrastructure. Additionally, the demand for upgraded Coalition network access is growing 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. FY05 funds will provide a start at replacing base infrastructure supporting communications in the Republic of Korea. Additionally, without proper funding, combined operations, through NORAD, supporting the Homeland Defense mission will be degraded due to deficiencies in these networks. Finally, Air Staff directed PACAF to provide fiber connectivity to the Distinguished Visitor facilities at each base. This ensures senior leadership will have command and control connectivity at all times when traveling within theater to our MOBs. FY05 funds will begin to provide this capability at 8 MOBs. Hickam has already been funded and installed. However, continued funding is required. In the meanwhile, future operations will continue to rely on inadequate connectivity with our senior leadership (while traveling off home base), which will hamper the distribution of critical intelligence, operational information, and situational awareness.					
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Description					
<p>8. HQ AIR COMBAT COMMAND (HQ ACC): FY05 funding procures and maintains standardized communications and information systems throughout ACC, providing MAJCOMs, Numbered AFs, and Combat AFs the means to defend, control, manage, modify, and monitor Air Force communication networks. Funding continues to provide communications upgrades in direct support of the IT Summit Initiative to consolidate servers on both the NIPRNet and SIPRNet for Minot and Holloman AFBs as well as SIPRNet for Seymour-Johnson and Mt. Home AFBs. The expansion of SIPRNET capability within ACC remains a top priority throughout this entire period, requiring the continual funding of classified networking infrastructure at all locations.</p> <p>This program also funds procurement of commercial off-the-shelf Land Mobile Radio (LMR) equipment, which replaces current in-garrison wideband equipment, on one-for-one basis, with narrowband handhelds, base stations, and repeaters to meet the National Telecommunications and Information Administration 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 LMRs include local command and control, missile security, law enforcement, fire department, medical life support, aircraft generation, disaster response, airfield operation, air base defense, and maintenance. Narrowband mandate funding is subdivided into two categories: (1) Handheld LMRs. These are personal, portable, low power line-of-sight (LOS) communication devices providing secure, flexible, and versatile means of relaying information between troops in the field and wing command post personnel. (2) Infrastructure. Includes the high power base stations and repeaters, normally at fixed sites, capable of providing extended coverage Line-of-Sight (LOS) communications for troops in the field and wing command post personnel. FY05 funding provides LMR equipment at Moody, Dyess, Cannon, Whiteman, and Ellsworth AFBs.</p> <p>FY05 funding also supports Command Engineering and Installation (E&I) program and Air Force base-level infrastructure upgrades. Infrastructure upgrades include transition to high speed/high data rate connectivity, establishment of digital switching capabilities, etc. Funding provides command and control connectivity to all key base facilities, organizations, and war fighting forces.</p> <p>HQ ACC received \$1.315M in the FY04 supplemental. Funds will procure a remote communications switch to replace the one that was water damaged by Hurricane Isabel.</p>					
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Description					
<p>9. HQ AIR MOBILITY COMMAND (HQ AMC): FY05 funding provides for Base Communications Infrastructure projects supporting IT services. These projects include: fiber/copper cable installation, telephone switch and voice system upgrades, and navigational equipment infrastructure support. Projects replace outdated/maintenance intensive equipment, upgrade existing voice systems, and increase telecommunications transmission capacity. Modernization initiatives facilitate rapid dissemination of vital Air Force command and control and combat support information.</p> <p>Some examples of FY05 funded projects include:</p> <p>MacDill AFB -- Install 3600 pair and 400 pair copper cables to connect new transportation/supply building to phone and data networks.</p> <p>McGuire AFB -- Install 2400 pair cable to replace main communications cable whose capacity will be maxed-out by FY05. Above ground communications cables to be relocated into a manhole duct system along with electrical cables providing more protection against weather and downed trees.</p> <p>Travis AFB -- Install 10,000 feet of fiber optic cable to support cargo inspection center and new mail center. Failure to fund communications infrastructure will hinder operations and present a security risk. Also, funds provide for the installation of 12,000 feet of duct and communications cable supporting the C-17 Airframe beddown. The C-17 aircraft is a 'flying computer' and requires up-to-date telecommunications support. Failure to update communications infrastructure will result in substandard command and control capability, increased network outages, lost productivity, and jeopardize flight safety.</p> <p>10. HQ AIR FORCE GEOBASE INTEGRATION OFFICE (GIO): HAF GIO provides GeoBase capability to USAF operations and serves as installation focal point for geospatial information and services. This program received \$5.1M as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sep 03. GeoBase supports the Global War on Terrorism and Homeland Security by protecting critical infrastructure. GeoBase combines information, technology, and processes to provide installation situational awareness across garrison and expeditionary bases. GeoBase enhances agile combat support through easy access to authoritative, digital base maps linked to legacy mission information systems. This enhances commander's decision-</p>					
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Description making, command and control, and increases force protection and homeland defense through integrated base support planning. Per Air Force Chief of Staff policy, GeoBase standards must be implemented by all Installation mapping and visualization services. GeoBase capability is also on the NORTHCOM Integrated Priority List for Homeland Security requirements. No FY05 funds requested. 11. HQ AIR FORCE SPECIAL OPERATIONS COMMAND (HQ AFSOC): FY05 funding will support expansion and modernization of information systems and base communications infrastructure at one Special Operations Wing and one Air Rescue Wing. Funds support base communications command-wide modernization and life cycle replacement of information command and control systems, base information infrastructure, 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) and software, and upgrades at primary installations. Additionally, funds support AF CIO mandates such as Server Consolidation, GCSS-AF, Continuity of Operations (COOP) services, standard desktop configurations, etc. Funding is required to aggressively pursue these initiatives to ensure our networks and servers support our expeditionary forces with consistent access to robust, reliable, and trusted services regardless of geographic location. 12. HQ 11 th WING: FY05 funding procures, modernizes, and maintains warfighting-ready communications/information capabilities and management systems supporting the 11 th Wing, Headquarters Air Force, tenants, geographically separated units, and thirty-eight general officers. This includes expansion of SIPRNet to provide communications needed to responsively organize support for Air and Space Expeditionary Force deployment tasks and enable robust joint contingency operations for air defense of the National Capital Region. SIPRNet development comprises a robust data storage/backup system, IP encryption devices, and a secure remote dial-up service to support day-to-day and contingency operations. FY05 funds allow completion of AF-CIO mandated consolidation of core classified and unclassified data servers/applications, and provide an initial architecture for continuity of operations and recovery in the event of a local or regional emergency. FY05 resources cover upgrade of existing unclassified enterprise data storage systems for automated, high-capacity archiving and retrieval. FY05 funding also allows development and fielding of web-enabled mission information dashboards and full remote access service (to complement AF Portal initiatives). Planned mission-critical improvements also involve					
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE			
Description <p>test and active remote monitoring tools, automated network security capabilities, mobile communications, power support and management, information transport additions, and infrastructure interfaces to plug in and completely leverage Global Information Grid service.</p> <p>13. AIR FORCE RESERVE COMMAND (AFRC): FY05 funds provide for expansion, modernization, and cantonment sustainment of base communications infrastructure at HQ AFRC, the MAJCOM NOSC, HQ Air Reserve Personnel Center (ARPC), forty-three AFRC flying wings/groups, and over forty geographically separated units (GSU).</p> <p>Funds support MAJCOM centrally funded AFRC-wide programs promoting base communications infrastructure consistency across the command. Funding provides engineering and installation support, and command wide purchases of hardware and software. This ensures that consistent, compatible, and interoperable technology and architecture is employed. This across-the-board functionality ensures interoperability between AFRC networks, active-duty AF networks, and those of other Services. Funds support data, voice, and video projects to promote compatibility with evolving active duty AF architectures. As such, funding provides for upgrades, technological advances, and sustained maintenance of the developed systems.</p> <p>In addition to funding AFRC-wide programs, funds also provide solutions for critical base-level communication infrastructure requirements. Specific requirements at AFRC bases include: (a) AFRC's command and control (C2) facilities require communications upgrades to ensure connectivity with integrated homeland defense command and control networks; respond to increased workload in mission following; and coordinate response to force protection levels. (b) Relocation of the Telephone Dial Central Offices (DCO) at March ARB, CA and Grissom ARB, IN to reduce vulnerability to terrorist activities. DCOs at both Grissom ARB and March ARB are located outside the cantonment areas as a result of base downsizing when bases were turned over to AFRC. (c) Category I Instrument Landing System (ILS) installation at Willow Grove ARS, PA for use by all stationed and transient aircraft.</p> <p>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, firewalls, secure</p>					
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Description enclaves, and encryption devices. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
BASE COMMUNICATIONS INFRASTRUCTURE							
HQ AFCA (1-3)	A		\$105,956		\$48,914		\$4,762
ANG (1,3)	A		\$16,650		\$26,883		\$29,107
HQ AFSPC (2) (1-3)	A		\$3,871		\$24,696		\$19,407
HQ USAFE (2) (1-3)	A		\$14,605		\$25,665		\$18,990
HQ AETC (2) (1-3)	A		\$2,060		\$6,146		\$10,151
HQ AFMC (2) (1-3)	A		\$18,870		\$15,015		\$18,318
HQ PACAF (1-2)	A		\$8,656		\$6,402		\$7,204
HQ ACC (1-2)	A		\$6,682		\$6,754		\$5,983
HQ AMC (1-2)	A		\$2,164		\$2,397		\$2,714
HQ AF GIO	A		\$10,696		\$5,062		
HQ AFSOC (1)	A						\$58
HQ 11TH WING	A						\$1,715

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: BASE COMMUNICATIONS INFRASTRUCTURE
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005		
		QTY.	COST	QTY.	COST	QTY.	COST	
HQ AFRC	A						\$526	
TOTALS:					\$190,210		\$167,934	\$118,935

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, AF Minicomputer multi-user system, AFCAC 308, Unified local area network architecture (Ulana) II, and Desktop IV contracts.
- (3) Options to various competitive, fixed/firm fixed price contracts are available through the following vendors for execution of Base Communications Infrastructure funding: AT&T Federal Communications Systems, Silver Springs, MD; AT&T, Engelwood, CO; Tennmark, Nashville, TN; Sun Micro Systems, Alexandria, VA; GTE Government Systems and Dichroma, Falls Church, VA; Amerind INC, Alexandria, VA; Presidio, Lanham, MD; Digicom, Bethesda, MD; NORTEL, Richardson, TX; DELL, Dallas, TX; STI, Rosslyn, VA; and GTSI, Chantilly, VA

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$8,751	\$5,916	\$5,948	\$6,130	\$11,255	\$18,407	\$18,724
<p>Description:</p> <p>The "Items Less Than \$5M" line funds various procurements that support the missions of all Air Force (AF) Commands. This program contains numerous miscellaneous items of electronics and telecommunications equipment. The major procurement activities in this line are the Allowance Source (AS) Equipment and replacement Power Conditioning and Continuation Interface Equipment (PCCIE). Miscellaneous AS authorizations provide new and/or replacement equipment items to organizational units in the field. PCCIE systems are used to back up and protect power sensitive/dependent computer systems. All items have an annual procurement value of less than \$5,000,000 and are Code A.</p> <ol style="list-style-type: none"> 1. ALLOWANCE SOURCE (AS) AUTHORIZATIONS: Requirements funded in this program are generated as the result of condemnations of existing equipment, an increase in the basis of issue on an individual item, or a change in the basing structure. Units requisition items based on AS authorizations which match support equipment authorizations to unit missions. The Equipment Item Requirements Computation generates a total net buy requirement based on a comparison of authorizations and on-hand assets. Examples of equipment procured are: special electronics atmospheric equipment, electronic warfare and bombing gunnery range equipment, equipment for communications evaluation/maintenance teams, and ground radar special mission and support equipment. 2. POWER CONDITIONING AND CONTINUATION INTERFACING EQUIPMENT (PCCIE): PCCIE consists of commercial power quality equipment. 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 the Air Defense Center at Cheyenne Mountain Air Station (AS), CO, perimeter acquisition radar sites at Cavalier AS, ND, and Beale AF Base (AFB), CA, all regional air defense sector radar sites, combat communications centers worldwide, radar sites in Middle Eastern countries, satellite tracking stations worldwide, numerous information processing sites, and 								
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION			
Description Next Generation Radar (NEXRAD) sites. Without the equipment, the sites will experience power outages, brownouts, power surges, and sags, all of which will cause loss of mission capability. Items requested in FY05 are identified on the following P-40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support Air Force mission critical requirements.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5 MILLION
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
ALLOWANCE SOURCE AUTHORIZATIONS					\$3,300
POWER CONDITIONING AND CONTINUATION INTERFACING EQUIPMENT					\$2,648
TOTALS:					\$5,948

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMM ELECT MODS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$51,000	\$38,445	\$23,400	\$24,550	\$22,671	\$40,356	\$41,978
<p>Description:</p> <p>Permanent modifications are configuration changes to in-service systems and equipment which correct materiel or other deficiencies, or which add or delete capability. Safety modifications correct deficiencies which would produce hazards to personnel, systems, or equipment. This budget line encompasses both new and on-going communications-electronic modification efforts for ground based systems. Modification installation funding is budgeted in the year the installation will occur.</p> <ol style="list-style-type: none"> 1. BATTLE CONTROL SYSTEM (BCS): No FY05 funding requested. 2. BALLISTIC MISSILE EARLY WARNING SYSTEM: No FY05 funding requested. 3. AIR TRAFFIC CONTROL AND LANDING SYSTEMS (ATCALS): ATCALS is a combination of USAF ground facilities and equipment, both fixed and tactical, with associated avionics, personnel, and procedures that provide air traffic control to USAF/DoD flying missions worldwide. ATCALS provides en route and terminal navigation control and separation, approach, departure, and landing guidance. ATCALS also provides equipment required to ensure interoperability with systems operated by the North Atlantic Treaty Organization, the US National Airspace System, and the International Civil Aviation Organization. The following modifications are in support of the ATCALS mission: <ol style="list-style-type: none"> a. AN/GRN-30 INSTRUMENT LANDING SYSTEM (ILS) ANTENNA/DISTRIBUTION UNIT: No FY05 funds are requested. b. AN/TRN-26 TECHNICAL UPGRADE: Existing equipment design and construction is of 1970s technology, and contains obsolete components 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description that can no longer be procured. This equipment is projected to be the only deployable Tactical Air Navigation (TACAN) in the AF inventory and this modification will extend the service life of the system. In addition, existing tripods will not support long term deployments and must be replaced. FY05 funds procure this modification. At the ATCALs AUG 02 Product Improvement Working Group, Air Force Flight Standards Agency, the System Support Manager, and the Major Command (MAJCOM) representatives decided to retain the TRN-26 and realign the TRN-41 to AFSOC with limited systems going to Pacific Air Forces (PACAF) and Air Education and Training Command (AETC). The users had numerous concerns regarding the supportability of the AN/TRN-41 versus the AN/TRN-26. There were no Mobility Readiness Spares Packages (MRSP) kits or Peacetime Operating Spares (POS) purchased for the AN/TRN-41 system. Cost estimates range from \$30 to \$65 million to acquire these spares and this lack of spares could delay mission-ready status for up to 8 years. c. AN/TPN-19, LANDING CONTROL CENTRAL (LCC) RESHELTER: No FY05 funds are requested. d. DIGITAL BRIGHT RADAR INDICATOR TOWER EQUIPMENT (DBRITE) Flat Panel Display: No FY05 funds are requested. e. AN/GRN-29, INSTRUMENT LANDING SYSTEM GROUNDING MODIFICATION: The incoming AC power distribution within the AN/GRN-29 does not meet the requirement of the National Electric Code, Military Standard (MIL-STD) 188-124, and T.O. 31-10-24. Specifically, the incoming AC power neutral wire is connected to the chassis ground throughout the shelter. This wiring configuration, which places AC current on the grounding system, creates several current loops which can contribute to equipment malfunctions (especially during inclement weather) and presents a potential personnel safety hazard. This modification brings the AN/GRN-29 grounding configuration into compliance with the National Electric Code. FY05 funding provides for this modification. f. 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 27-year old technology to develop and radiate radar signals. The transmitter experienced an extremely high failure rate					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description that reduced operational availability to an average of 82%, well below the Air Force Standard of 97%. Modification of the transmitter will improve maintainability and reliability. In FY04, this modification will only complete prototype development. In FY05, the baseline modification will be procured/installed for 17 additional radars. g. AN/GSH-59, AUTOMATED TERMINAL INFORMATION SYSTEM (ATIS) MODIFICATION: No FY05 funds are requested. h. AN/GPN-12/20, AIR SURVEILLANCE RADAR (ASR) ANTENNA DRIVE MOTOR MODIFICATION: No FY05 funds are requested. i. AN/GRN-30/31 METERS/SYNTHESIZERS UPGRADE: No FY05 funding is requested. j. AN/TPN-19 LANDING CONTROL CENTRAL (LCC)-FLAT PANEL DISPLAY: No FY05 funding is requested. k. AN/FRN-45 FACILITY CENTRAL PROCESSING UNIT (FCPU): In FY03, this modification was included under "Miscellaneous Low Cost Modifications". No FY05 funding is requested. l. MISCELLANEOUS LOW COST MODIFICATIONS: No FY05 funding requested. 4. 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 Air Force (AF), the Army, Special Operations Forces (SOF), Unified 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 35111F, Weather Service. a. GROUND WEATHER: The ground weather mission provides timely, mission-critical support by observing, analyzing, and forecasting terrestrial					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description 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, NEXRAD OPEN RADAR DATA ACQUISITION (ORDA): FY05 funding continues replacement of proprietary hardware and software in the NEXRAD radar transmitter and migrates them to open systems standards. Replacement will decrease recurring maintenance costs and eliminate components failing at higher than expected rates. (2) MOD# 98-001, AIR FORCE WEATHER AGENCY (AFWA) DISSEMINATION SUBSYSTEM: FY05 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. Upgrade of Dissemination subsystem hardware, software, and communications infrastructure will ensure timely receipt of weather information by warfighters at fixed and deployed locations worldwide. (3) MOD# 98-002, PRODUCT TAILORING/WARFIGHTER APPLICATIONS (PT/WA): No FY05 funding is requested. (4) MOD# 98-003, WEATHER FORECASTING: FY05 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 capability for classified target-scale modeling. (5) MOD# 00-002, TACTICAL WEATHER RADAR (TWR): FY05 funding continues modification of Doppler weather radars at fixed and semi-fixed locations worldwide. Modifications will upgrade display/control computers to run improved operating systems, enhance remote control capabilities, generate enhanced radar products, and distribute products in formats compatible with warfighter C2 systems.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description (6) MOD# 00-004, AIR FORCE COMBAT CLIMATOLOGY CENTER - REPLACEMENT (AFCCC-R) UPGRADE: FY05 funding continues upgrades of 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 central processing units for additional data ingest, storage, and retrieval capabilities. (7) MOD# 02-002, AUTOMATED SURFACE OBSERVING SYSTEM (ASOS): FY05 funds allow the Air Force to continue paying 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 Pre-Planned Product Improvement (P3I) program will enhance long-term supportability of ASOS. (8) MOD# 00-005, DIRECT READOUT TERMINAL (DRT): FY05 funding will modify the DRT by replacing obsolete components to maintain required operational availability rates and to accommodate new and modified satellite instrument data types. Modification will also avoid rising maintenance costs. DRT receives weather data from both geostationary and polar orbiting satellites. Data received and processed through the DRT is essential to target-scale cloud analysis and forecasting required by warfighters for comprehensive battlespace awareness. b. SPACE WEATHER: The Space Environmental Support System (SESS) 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 Air Force Weather Agency (AFWA) collects, processes, and analyzes data on solar activity. Alerts, warnings, and forecasts are then produced and distributed to users worldwide. Those 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# 93-003, IONOSPHERIC MEASURING SYSTEM (IMS) COMMUNICATIONS: No FY05 funding requested.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description					
<p>(2) MOD# 93-004, IONOSPHERIC MEASURING SYSTEM (IMS) SCINTILLATION: No FY05 funding requested.</p> <p>(3) MOD# 93-005, RADIO SOLAR TELESCOPE NETWORK (RSTN): FY05 funding supports a new technical solution for sustaining RSTN capabilities for detecting solar flare activity. That solution will follow a step-by-step approach focusing first on replacing antenna systems, pedestal assemblies, and associated operating system software. Additionally, there will be a comprehensive replacement of 1970s-era hardware components to ensure continued reliability and maintainability. Timely and relevant data about solar flare activity allows warfighters to mitigate radiation effects on operations involving high altitude aircraft, manned spacecraft, satellites, and Global Positioning Systems.</p> <p>5. JOINT SURVEILLANCE SYSTEM (JSS): As part of the Atmospheric Early Warning System (AEWS) the JSS is a combined USAF/Federal Aviation Administration (FAA) network providing air surveillance data through a distributed network of radars around the perimeter of the continental US, Alaska, Hawaii, and Puerto Rico. The surveillance data also directly supports NORAD's Atmospheric Tactical Warning and Attack Assessment (ATW/AA) and the Homeland Security missions as well as air traffic control missions of the FAA and other multi-national air traffic control agencies. The Radar Interrogator Set (RIS) beacons and the Environmental Control Units (ECUs) use 70's technology, are now beyond their designated/expected life, and suffer from reliability and supportability problems. The beacon is no longer in production and replacement parts are virtually exhausted. The ECU provides heating and cooling to radar components; however, the units are leaking refrigerant into the atmosphere. Loss of either the beacon or ECU will cause the radar to shut down and make it impossible for NORAD to accomplish its air defense/Homeland Security missions. FY05 funds will be used to continue replacement of the RIS beacons, to replace the ECUs, and to acquire/install a fire suppression/remote application of power capability throughout the network to prevent gaps in the North American Defense System.</p> <p>6. NORTH WARNING SYSTEM (NWS): No FY05 funding requested.</p> <p>7. SHARED EARLY WARNING SYSTEM (SEWS): FY05 funds continue equipment upgrades for the SEWS-specific equipment at Theater Combatant</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT		P-1 NOMENCLATURE: COMM ELECT MODS			
Description <p>Commander locations, partner nations, and the Centralized Distribution Facility (CDF) at Peterson AFB, Colorado Springs, CO where data is initially received and filtered, and also at the inject points where data is transmitted to SEWS customers and other foreign partner nations. Development funding for SEWS is in Program Element 38699F.</p> <p>8. MOBILE CONSOLIDATED COMMAND CENTERS (MCCC): FY05 funding will procure replacement components for commercial-off-the-shelf (COTS) products which are integral to the US Northern Command (USNORTHCOM) MCCC. Programmed replacement maintains operational currency to meet MCCC mission requirements. COTS products have an estimated 18 months life cycle before product upgrades and planned obsolescence. Specific systems replenishment includes the Data Distribution System (DDS) and Defense Red Switch Network (DRSN).</p> <p>Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on critical equipment needed to support current Air Force mission requirements.</p>					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: COMM ELECT MODS								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
BATTLE CONTROL SYSTEM (BCS)							(\$439)						
MOD# M00020, ANTENNA BEARING REDESIGN	A						\$439						
BALLISTIC MISSILE EARLY WARNING SYSTEM (BMEWS) SERVICE LIFE EXTENSION PROGRAM (SLEP)							(\$13,225)			(\$3,918)			
HARDWARE/SOFTWARE	A						\$13,225			\$3,918			
AIR TRAFFIC CONTROL LANDING SYSTEM (ATCALs)							(\$12,519)			(\$9,493)			(\$10,301)
MOD# N/A, AN/GRN-30 INSTRUMENT LANDING SYSTEM ANTENNA/DU	A						\$2,856						
AN/TRN-26 TECHNICAL UPGRADE	A						\$3,120			\$4,465			\$2,725
AN/TPN-19 RESHELTER	A						\$848						
DIGITAL BRIGHT RADAR INDICATOR TOWER EQUIPMENT (DBRITE)	A									\$2,200			
AN/GRN-29, INSTRUMENT LANDING SYSTEM GROUND	A												\$1,676
AN/GPN-22(V) RADAR SET GROUP TRANSMITTER	A									\$1,595			\$5,900

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT					P-1 NOMENCLATURE: COMM ELECT MODS								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
AN/GSH-59 AUTOMATED TERMINAL INFORMATION SYSTEM (ATIS)	A						\$300			\$600			
AN/GPN-12/20 ASR ANTENNA DRIVE MOTOR	A						\$100						
AN/GRN-30/31 METERS/SYNTHESIZERS UPGRADE	A						\$494						
AN/TPN-19 FLAT PANEL DISPLAY MOD	A						\$4,300						
AN/FRN-45 FCPU MOD	A						\$501						
MISCELLANEOUS LOW COST MODS	A									\$633			
WEATHER OBSERVATION & FORECAST SYSTEM							{ \$9,306 }			{ \$8,865 }			{ \$11,202 }
GROUND WEATHER							{ \$8,998 }			{ \$7,074 }			{ \$9,906 }
MOD# 94-003B, NEXRAD OPEN RADAR DATA ACQUISITION (ORDA)	A						\$2,136			\$2,163			\$1,804
MOD# 98-001, AIR FORCE WEATHER AGENCY (AFWA) DISSEMINATION SUBSYSTEM	A						\$1,680						\$657
MOD# 98-003, WEATHER FORECASTING	A						\$3,774			\$3,269			\$4,086
MOD# 00-002, TACTICAL WEATHER RADAR (TWR)	A						\$604			\$200			\$850

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT	P-1 NOMENCLATURE: COMM ELECT MODS
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MOD# 00-004, AIR FORCE COMBAT CLIMATOLOGY CENTER - REPLACEMENT (AFCCC-R) UPGRADE	A						\$804			\$600			\$650
MOD# 02-002, AUTOMATED SURFACE OBSERVING SYSTEM (ASOS)	A									\$842			\$517
MOD# 00-005, DIRECT READOUT TERMINAL (DRT)	A												\$1,342
SPACE WEATHER							(\$308)			(\$1,791)			(\$1,296)
MOD# 93-003, IONOSPHERIC MEASURING SYSTEM (IMS) COMMUNICATIONS	A						\$39						
MOD# 93-004, IONOSPHERIC MEASURING SYSTEM (IMS) SCINTILLATION	A						\$93						
MOD# 93-005, RADIO SOLAR TELESCOPE NETWORK (RSTN)	A						\$176			\$1,791			\$1,296
JOINT SURVEILLANCE SYSTEM	A						\$6,962			\$7,962			\$1,145
NORTH WARNING SYSTEM	A						\$6,519			\$7,555			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)								DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/ELECTRONIC AND TELECOMMUNICATIONS EQUIPMENT				P-1 NOMENCLATURE: COMM ELECT MODS									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
SHARED EARLY WARNING ACQUISITION	A						\$1,593			\$192			\$286
MOBILE CONSOLIDATED COMMAND CENTERS (MCCC)	A						\$437			\$460			\$466
TOTALS:							\$51,000			\$38,445			\$23,400
Remarks: Total Cost information is in thousands of dollars.													
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INDIVIDUAL MODIFICATIONS (EXHIBIT P-3A) **DATE:** FEBRUARY 2004

Modification Title and No: AN/GPN-22(V) RADAR SET GROUP TRANSMITTER **Models of System Affected:** COMMUNICATION ELECTRONICS AIR TRAFFIC CONTROL AND LANDING SYSTEMS (ATCAL)

Description/Justification: 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 27-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 Air Force Standard of 97%. Modification of the transmitter will improve maintainability and reliability.

Development Status/Major Development Milestones: CONTRACT AWARD: JAN 04 DELIVERY: MARCH 05

FINANCIAL PLAN \$ (in Thousands)	PY		FY2003		FY2004		FY2005		FY2006		FY2007		TOTAL									
	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost	Qty	Cost								
RDT&E																						
Ref. R-1 PE No:																						
Total RDT&E Costs																						
Procurement																						
Equipment Kits					1	806	17	5900					18	6706								
Equipment Kits non-recurring																						
Engineering Change Orders																						
Data																						
Training Equipment																						
Support Equipment																						
Software																						
Interim Contractor Support																						
Other						789								789								
Total Procurement Costs					1	1595	17	5900					18	7495								
Hardware Installation																						
PY Eqpt (0 kits)																						
FY03 Eqpt (0 kits)																						
FY04 Eqpt (1 kits)					1								1									
FY05 Eqpt (17 kits)								17					17									
FY06 Eqpt (0 kits)																						
FY07 Eqpt (0 kits)																						
Total Installation Costs						1		17					18									
Total Modification Costs					1	1595	17	5900					18	7495								
Method of Installation: UNIT, FIELD INSTALL					Admin. Lead-time(After 1 Oct): 3 Month(s)					Production Lead-time: 3 Month(s)												
Contract Date:	PY		FY2003		FY2004	Jan 04	FY2005	Jan 05	FY2006		FY2007											
Delivery Date:	PY		FY2003		FY2004	Mar 04	FY2005	Mar 05	FY2006		FY2007											
Installations:	PY	FY2003				FY2004				FY2005				FY2006				FY2007				Total
		1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	1ST	2ND	3RD	4TH	
Input							1				5	6	6									18
Output									1			5	6	6								18

DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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OTHER PROCUREMENT APPROPRIATION ESTIMATES
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$13,141	\$13,428	\$15,306	\$15,589	\$15,961	\$16,312	\$16,641
<p>Description:</p> <p>1. The Base/ALC Metrology and Calibration (METCAL) equipment program provides calibration standards grouped in a series of generic measurement packages (Electrical, Mechanical, and Systems equipment) to all major Air Force activities having a base Precision Measurement Equipment Laboratory (PMEL). PMELs calibrate and repair equipment used to maintain aircraft, missiles, communications, and other ground systems. The PMEL links calibration standards between the weapon system, the Air Force Primary Standards Laboratory (AFPSL), and the National Institute of Standards and Technology (NIST). This link ensures that systems used by operational forces perform their primary mission of delivering weapons on target. Presently, there are 77 Type II and III PMELs, two Rapid Assistance Support for Calibration (RASCAL) systems, 57 Transportable Field Calibration Unit (TFCU) systems, and 180 Portable Automatic Test Equipment Calibrator (PATEC) systems worldwide. All major aircraft depend heavily on offensive and defensive avionics that must be calibrated to function properly for mission success in wartime and in training environments. All aircraft engines and airframes require PMEL calibration support. This budget line also supports space and airborne communications/electronics systems such as Military Satellite Communications (MILSATCOM).</p> <p>2. Each base PMEL requires a group of certified calibration standards to assure accurate, traceable measurements of the basic parameters recognized by the NIST. These calibration standards enable each Air Force activity to attain traceable measurements and optimum self-sufficiency in the calibration and maintenance of critical precision measurement equipment required for daily base operational capability. The standards packages must be constantly surveyed and upgraded to stay current with technological advances in metrology. In addition, as new and sophisticated systems enter the Air Force inventory, selected PMELs must be augmented with special calibration standards or auxiliary equipment, critical to the characteristics of systems supported.</p> <p>3. The following support is provided by these measurement packages:</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE			
Description <p>a. The Electrical and Mechanical Packages consist of equipment for calibration of common test, measurement, and diagnostic equipment (TMDE). Equipment procured as part of these packages is normally used by PMEL technicians in a laboratory environment. The equipment and standards provided will establish new or upgrade existing calibration capabilities.</p> <p>b. The Electrical Package also provides the PMELs with standards and ancillary equipment used in electro-optical, radiofrequency (RF)/microwave, electrical, radiation detection identification and computation technologies, as well as equipment required for precise time and frequency measurement. It supports items such as meter calibrators, automated resistance measurement systems, and peak power meters. Additionally, the Mechanical Package includes standards and ancillary equipment for the mass, dimensional, optical, force, vibration, flow, and environmental measurement areas, supporting items such as humidity generators and hydraulic pressure gauge calibrators.</p> <p>c. The Systems Package consists of equipment for calibrating common TMDE and automatic test equipment (ATE) outside of a normal PMEL facility. Systems package equipment facilitates on-site and/or in-place calibration to reduce the time of equipment non-availability to the user, eliminate the need to disassemble test stations, reduce transportation of delicate equipment, and calibrate to the user's minimum requirement. When not used for calibration outside the PMEL, this equipment is available for calibration of routine PMEL workload.</p> <p>4. A reduction of requested funding levels will affect the ability of the Air Force to support current weapon system measurements, thus jeopardizing the accuracy of Air Force subsystems that provide navigation, weapons delivery, communication, and other mission support requirements. Calibration traceability will also be compromised due to lack of state-of-the-art measurement standards.</p> <p>5. Items requested in FY05 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE					
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MECHANICAL PACKAGE									
LOW FLOW LIQUID STANDARD	A								
PNEUMATIC PRESSURE GAGE CALIBRATOR	A					25	\$750	25	\$750
FLOW TRANSFER STANDARD, JET ENGINE CAL VAN	A							60	\$600
VERTICAL/HORIZONTAL 12 INCH INDEXING TABLE	A							25	\$500
HIGH CAPACITY TOP LOAD BALANCE	A							72	\$576
SYSTEMS PACKAGE									
PATEC UNIVERSAL COUNTER W/RUBIDIUM FREQ STANDARD	A			105	\$1,419	100	\$1,300		
PATEC OSCILLOSCOPE CALIBRATOR/DIGITIZER	A					70	\$3,400	70	\$3,280
PATEC METER CALIBRATOR	A							70	\$2,450
PATEC POWER METER/MICROWAVE COUNTER	A							70	\$630
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
PROJECTS LESS THAN \$500K	A				\$174		\$225		
ELECTRICAL PACKAGE									
OSCILLOSCOPE CALIBRATION SYSTEM	A			25	\$1,519	26	\$1,740		
PROGRAMABLE CAPACITANCE BRIDGE SYSTEM	A			23	\$620	53	\$1,454		
WATTMETER CALIBRATOR	A			38	\$917	38	\$988		
NOISE SOURCE CALIBRATION SYSTEM	A			24	\$1,913				
KELVIN-VARLEY VOLTAGE DIVIDER	A			38	\$674	38	\$836		
SYNCHRO-RESOLVER STANDARD, PROGRAMMABLE	A			70	\$1,354				
AC DETECTOR SYSTEM	A					25	\$600	25	\$600
ATTENUATION RECEIVER	A					25	\$1,500	25	\$1,500
SYNTHESIZED LEVEL GENERATOR	A							76	\$1,140
SYNTHESIZED SIGNAL GENERATOR	A							76	\$3,040

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RF/MICROWAVE UNIV COUNTER	A			83	\$552				
TOTALS:				406	\$9,143	400	\$12,793	594	\$15,066

Remarks:

Cost information is in thousands of dollars.

(1) Various contracts are available through multiple vendors.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE						
ITEM / 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	
OSCILLOSCOPE CALIBRATION SYSTEM										
FY2003(3)	25	\$60,740	AFMETCAL	MIPR/FFP	GSA/GSA / FLUKE CORP/EVERETT, WA	May-03	Aug-03			
FY2004(3)	26	\$66,925	AFMETCAL	OPT/FFP	GSA / FLUKE CORP/EVERETT, WA	Mar-04	Jul-04	Yes		
PROGRAMABLE CAPACITANCE BRIDGE SYSTEM(4)										
FY2003	23	\$26,972	AFMETCAL	OPT/FFP	ANDEEN-HAGERLING INC/CLEVELAND, OH	Apr-03	Jun-03			
FY2004	53	\$27,440	AFMETCAL	OPT/FFP	ANDEEN-HAGERLING INC/CLEVELAND, OH	Mar-04	Jun-04	Yes		
WATTMETER CALIBRATOR										
FY2003	38	\$24,132	AFMETCAL	MIPR/FFP W/OPT	GSA/GSA / FLUKE CORP/EVERETT, WA	May-03	Nov-03			
FY2004	38	\$26,000	AFMETCAL	OPT/FFP	GSA / FLUKE CORP/EVERETT, WA	Mar-04	Sep-04	Yes		
NOISE SOURCE CALIBRATION SYSTEM										
FY2003	24	\$79,728	AFMETCAL	C/FFP W/OPT	INSTRUMENTATION ENGINEERING INC/OAKLAND, NJ	May-03	Nov-03			
KELVIN-VARLEY VOLTAGE DIVIDER										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT			P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE							
ITEM / 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	
FY2003	38	\$17,740	AFMETCAL	MIPR/FFP W/OPT	GSA/GSA / FLUKE CORP/EVERETT, WA	Apr-03	Oct-03			
FY2004	38	\$22,000	AFMETCAL	OPT/FFP	GSA / FLUKE CORP/EVERETT, WA	Apr-04	Oct-04	Yes		
SYNCHRO-RESOLVER STANDARD, PROGRAMMABLE										
FY2003	70	\$19,344	AFMETCAL	C/FFP W/OPT	NORTH ATLANTIC INDUSTRIES/BOHEMIA, NY	Mar-03	Jul-03			
AC DETECTOR SYSTEM										
FY2004	25	\$24,000	AFMETCAL	C/FFP W/OPT	UNKNOWN	Apr-04	Oct-04	Yes		
FY2005	25	\$24,000	AFMETCAL	OPT/FFP	UNKNOWN	Apr-05	Oct-05	Yes		
ATTENUATION RECEIVER										
FY2004	25	\$60,000	AFMETCAL	C/FFP W/OPT	UNKNOWN	May-04	Nov-04	Yes		
FY2005	25	\$60,000	AFMETCAL	OPT/FFP	UNKNOWN	May-05	Nov-05	Yes		
SYNTHESIZED LEVEL GENERATOR										
FY2005	76	\$15,000	AFMETCAL	C/FFP	UNKNOWN	Mar-05	Aug-05	No	Jan-05	
SYNTHESIZED SIGNAL GENERATOR										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE						
ITEM / 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	76	\$40,000	AFMETCAL	C/FFP	UNKNOWN	Apr-05	Oct-05	No	Feb-05	
RF/MICROWAVE UNIV COUNTER										
FY2003	83	\$6,656	AFMETCAL	MIPR/FFP	GSA/GSA / AGILENT TECHNOLOGES/ENGLEWOOD, CA	Mar-03	May-03			
MECHANICAL PACKAGE(1)										
LOW FLOW LIQUID STANDARD(5)										
FY2003			AFMETCAL	C/FFP W/OPT	FLOW DYNAMICS INC/SCOTTSDALE, AZ	Nov-02	May-03			
PNEUMATIC PRESSURE GAGE CALIBRATOR										
FY2004	25	\$30,000	AFMETCAL	C/FFP W/OPT	UNKNOWN	Feb-04	May-04	Yes		
FY2005	25	\$30,000	AFMETCAL	OPT/FFP	UNKNOWN	Nov-04	Feb-05	Yes		
FLOW TRANSFER STANDARD, JET ENGINE CAL VAN										
FY2005	60	\$10,000	AFMETCAL	C/FFP	UNKNOWN	Jul-05	Dec-05	No	Jan-05	
VERTICAL/HORIZONTAL 12 INCH INDEXING TABLE										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT			P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE							
ITEM / 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	25	\$20,000	AFMETCAL	C/FFP	UNKNOWN	Jul-05	Dec-05	No	Oct-04	
HIGH CAPACITY TOP LOAD BALANCE										
FY2005	72	\$8,000	AFMETCAL	C/FFP	UNKNOWN	Jul-05	Dec-05	No	Oct-04	
SYSTEMS PACKAGE(1)										
PATEC UNIVERSAL COUNTER W/RUBIDIUM FREQUENCY STANDARD(6)										
FY2003			AFMETCAL	MIPR/FFP W/OPT	GSA/GSA / FLUKE CORP/EVERETT, WA	May-03	Sep-03			
FY2004			AFMETCAL	OPT/FFP	GSA / FLUKE CORP/EVERETT, WA	May-04	Sep-04	Yes		
PATEC OSCILLOSCOPE CALIBRATOR/DIGITIZER										
FY2004	70	\$48,571	AFMETCAL	DO/FFP	UNKNOWN	Feb-04	Jun-04	Yes		
FY2005	70	\$46,857	AFMETCAL	DO/FFP	UNKNOWN	Feb-05	Jun-05	Yes		
PATEC METER CALIBRATOR										
FY2005	70	\$35,000	AFMETCAL	C/FFP W/OPT	UNKNOWN	Jul-05	Nov-05	No	Apr-05	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE						
ITEM / 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	
PATEC POWER METER/MICROWAVE COUNTER										
FY2005	70	\$9,000	AFMETCAL	C/FFP W/OPT	UNKNOWN	Jan-05	Apr-05	No	Jun-04	
PROJECTS LESS THAN \$500K(7)										
FY2003		\$174,000		/	UNKNOWN					
FY2004		\$225,000		/	UNKNOWN					
ELECTRICAL PACKAGE										
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Quantity/unit costs vary because of different types/configuration of equipment being procured.</p> <p>(2) Various contracts are available through the following vendors: Flow Dynamics, Scottsdale, AZ; Tektronix Corp, Beaverton, OR; Fluke Corp, Everett, WA; Agilent Technologies, Englewood, CO; and others. Multiple award and delivery dates to existing contracts; award/delivery date reflect date of first award and delivery.</p> <p>(3) 5-year extended warranty is no longer available on GSA, so FY03/04 acquisitions will be Full & Open. Estimated unit cost adjusted per latest market survey data.</p> <p>(4) Cost reflects actual awarded price and/or option year prices. Quantity adjusted to provide rotational calibration support through the AF Primary Standards Lab (AFPSL).</p> <p>(5) Quantity adjusted to meet current field PMEL requirements. Unit cost reflects actual award price.</p>										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE/ALC CALIBRATION PACKAGE						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(6) PATEC Universal Counter, and PATEC Rubidium Frequency Standard are now available from vendor(s) as a single instrument: PATEC Universal Counter with Rubidium Frequency Standard.</p> <p>(7) For these projects, unit cost reflects total available funds for this item. Quantity/unit cost vary because of different types/configuration of equipment being procured.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: PRIMARY STANDARDS LABORATORY PACKAGE				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$1,086	\$1,066	\$1,107	\$1,126	\$1,151	\$1,178	\$1,201
<p>Description:</p> <p>1. The Primary Standards Laboratory Package consists of measurement standards required by the Air Force Primary Standards Laboratory (AFPSL). These standards and equipment enable the AFPSL to maintain a disciplined system of measurement control to assure standardized calibration of all precision measurement equipment at Precision Measurement Equipment Laboratories (PMELs) which in turn support aircraft, missiles, and ground communications and space systems.</p> <p>2. FY05 AFPSL funding supports all Air Force PMELs by providing the master calibration capability traceable to the National Institute of Standards and Technology (NIST) or other approved sources, as well as specialized test and calibration support needed for Air Force research and development. Measurement standards and auxiliary measurement equipment are grouped in two packages: (a) the Electrical, Photonics, and Nucleonics Package and (b) the Mechanical and Physical Package.</p> <p style="padding-left: 20px;">(a) The Electrical, Photonics, and Nucleonics Package includes equipment to measure electrical units such as alternating current (AC) and direct current (DC) volts; resistance, and precise time and frequency; microwave/millimeter wave; radio frequency (RF) power, modulation, and phase noise; photonics/nucleonics quantities such as fiber optic power, spectral radiance, and infrared thermometry; and laser power.</p> <p style="padding-left: 20px;">(b) The Mechanical and Physical Package includes equipment to measure pressure, force, flow, and vibration, and dimensional quantities such as length, flatness, and angle.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: PRIMARY STANDARDS LABORATORY PACKAGE			
Description <p>3. Although AFPSL calibration services and the generation of calibration technical orders are performed by a private contractor, funding for new and enhanced calibration standards equipment remain an Air Force responsibility. Management of the Air Force Metrology and Calibration (AFMETCAL) Program remains an Air Force organic program. Air Force responsibilities include the identification and development of Air Force metrology and calibration requirements, calibration procedures development and management, and budgeting and acquisition of calibration standards equipment. The operating contractor is provided Air Force government furnished equipment (GFE). As the Air Force places more reliance on high technology weapons systems for our national security, the need for accurate and precise measurements becomes increasingly important. The accuracy, precision, and safety of Air Force systems are all traced back to the measurement standards of the AFPSL.</p> <p>4. Items requested in FY05 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: PRIMARY STANDARDS LABORATORY PACKAGE
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ELECTRICAL, PHOTONICS & NUCLEONICS PACKAGE									
ITEMS LESS THAN \$500,000	A				\$622		\$464		\$586
MECHANICAL & PHYSICAL PACKAGE									
ITEMS LESS THAN \$500,000	A				\$464		\$602		\$521
TOTALS:					\$1,086		\$1,066		\$1,107

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (TEST EQUIPMENT)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$6,541	\$9,312	\$7,607	\$14,018	\$14,582	\$16,876	\$17,217
<p>Description:</p> <p>1. This program includes hundreds of test and measurement equipment items used throughout the Air Force. The equipment is used in Precision Measurement Equipment Laboratories (PMELs), Avionics Integrated Support Facilities (AISFs), Automated Test Support Facilities, Centralized Radio Shops, Radio/Radar Repair Shops, and Maintenance Shops. This equipment also supports calibration of aircraft Avionics Intermediate Shop equipment. Failure to procure this equipment will inhibit performance of detailed analysis investigations, impair the maintenance, repair and calibration of state-of-the-art measurement devices leading to increased avionics and communications equipment downtime, and may impair safety of flight or grounding of aircraft, directly impacting Air Force missions.</p> <p>2. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands, and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models.</p> <p>3. There are approximately 7,500 individual test items procured in this line. FY05 funding procures both initial shortages as well as replacement equipment which currently faces obsolescence. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY05 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (TEST EQUIPMENT)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
ITEMS LESS THAN \$5,000,000 (TEST EQUIPMENT)					
SPECTRUM ANALYZER (1)	6625012890854RH			47	\$1,455
FSC 4910 VEHICLE MAINT & REPAIR SHOP SPECIAL EQP (1)					\$4
FSC 4920 AIRCRAFT MAIN & REPAIR SPECIALIZED EQP (1)					\$471
FSC 5855 - NIGHT VISION EQUIPMENT (1)					\$392
FSC 5985 ANTENNAS, WAVE GUIDES & RELATED EQP (1)					\$66
FSC 5998 - ELECTRICAL AND ELECTRONICS ASSEMBLIES, BOARDS (1)					\$199
FSC 6150 MISC ELECTRIC PWR & DIST EQP (1)					\$16
FSC 6625 - ELECTRICAL AND ELECTRONIC PROPERTIES MEASURING & TESTING EQUIP (1)					\$4,628
FSC 6685 - PRESSURE, TEMPERATURE, AND HUMIDITY MEASURING AND CONTROLLING INSTRUMENTS (1)					\$80
FSC- 6695 COMBINATION & MISC INSTRUMENTS (1)					\$296
TOTALS:					\$7,607

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (TEST EQUIPMENT)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
Remarks: Cost information is in thousands of dollars. (1) FSC - Federal Stock Class					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,847	\$11,558	\$17,349	\$11,885	\$19,654	\$20,570	\$22,416
<p>Description:</p> <p>1. Modern warfare resulted in an increase in airborne combat under the cover of darkness. Night missions include ground operations, encompassing 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. Night Vision Goggles (NVGs) provide the capability to see in night/low visibility conditions, are essential for combat rescue and special operations missions, and reduce the possibility of mid-air collisions during combat/non-combat missions. The goggles are helmet-mounted, battery and/or aircraft powered, and weigh approximately 12 to 30 ounces. There are two versions of the NVG: aircrew goggles used by pilots and ground crew goggles used by ground forces in air defense, counter-narcotics, anti-terrorist and numerous base support operations.</p> <p>2. The lack of 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. Use of NVGs is 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 critical night vision equipment.</p> <p>3. FY05 funding continues procurement of the following aircrew and ground crew goggles plus test equipment:</p> <p style="padding-left: 40px;">a. AN/PVS-7D Groundcrew Goggle. These ground crew goggles are used primarily by security forces in conducting air base defense, counter-narcotics, and anti-terrorist operations. The units are also used by the base recovery after-attack teams and by some non-cockpit aircrew members. The goggles are monocular with a third-generation image intensifier.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: NIGHT VISION GOGGLES			
Description b. AN/PVS-14 Groundcrew Goggle. The 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 and starlight. Each unit allows for vertical adjustment (by using head strap), fore-and-aft adjustment, objective lens focus, and diopter adjustment. The monocular is also equipped with an IR source, a low-battery indicator, gain control, and third-generation image intensifier. c. AN/PVS-15 Groundcrew Goggle. The binocular is a helmet mounted hand-held night vision system. The goggles are primarily used by Special Forces for night drop operations. The goggles can be used in all night time ground operations. The use of binocular provides the added ability to maintain night vision operations in the event of a tube failure to one side of the binocular system. d. F4949 Aircrew Goggle. F4949 night vision goggles provide 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. The goggles are helmet mounted and weigh approximately 28 ounces. e. Panoramic Night Vision Goggle (PNVG). Emerging panoramic night vision capability provides the user with a greatly expanded field of view, which enhances situational awareness and confidence to maneuver safely at night. Associated RDT&E is found in PE 72833. f. 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 proper evaluation and adjustment of all goggle parameters to be done quickly and accurately. g. Test Set, Infrared Viewer - ANV126A. The manufacturer, Hoffman Engineering Corporation, is making this transition from the ANV-126 to the ANV-126A due to part obsolescence problems. This change provides enhanced capabilities beneficial to the user. The 126A will perform the same operational tests required to maintain the goggles. This is a commercial item and any change to the tester is at the discretion of Hoffman Engineering.					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: NIGHT VISION GOGGLES			
Description					
4. The following project was added by Congress in the FY04 appropriation. Reference Appropriations Conference Report 108-283, Sep 24, 2003, page 219: Panaromic Night Vision Goggle (\$3.5M)					
5. Security Forces, EOD, LogDet Equipment received \$2.784M in the FY04 supplemental.					
6. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and risk. Headquarters Air Force, Major Commands, and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models.					
7. Items requested in FY05 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: NIGHT VISION GOGGLES
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
GROUNDCREW GOGGLES				220	{\$728}	252	{\$1,093}	1,682	{\$5,599}
AN/PVS-7D GROUNDCREW GOGGLES (1)	A			98	\$313	95	\$305	1,323	\$4,349
AN/PVS-7D GROUNDCREW GOGGLES (2)	A			59	\$197	62	\$208		
AN/PVS-14 GROUNDCREW GOGGLES (2)	A			9	\$30	12	\$38	337	\$1,085
AN/PVS-14 GROUNDCREW GOGGLES (1)	A			41	\$145				
AN/PVS-14 GROUNDCREW GOGGLES (2)	A			13	\$43	18	\$59		
AN/PVS-15 GROUNDCREW GOGGLES	A					65	\$483	22	\$165
AIRCREW GOGGLES				183	{\$8,655}	165	{\$8,314}	162	{\$9,601}
F-4949G AIRCREW GOGGLES	A			21	\$141				
F-4949H AIRCREW GOGGLES	A			22	\$147	30	\$201		
PANORAMIC NIGHT VISION GOGGLES	A			140	\$8,367	135	\$8,113	162	\$9,601

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: NIGHT VISION GOGGLES
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TEST SETS				31	{\$380}	43	{\$1,905}	150	{\$2,149}
TEST SET, INFINITY FOCUS	A			20	\$110	20	\$1,300	68	\$255
TEST SET, INFRARED VIEWER-ANV126 (3)	A			10	\$243	16	\$411		
TEST SET, INFRARED VIEWER-ANV126 (4)	A			1	\$28	7	\$194		
TEST SET, INFRARED VIEWER-ANV126A	A							82	\$1,894
TOTALS:				434	\$9,763	460	\$11,312	1,994	\$17,349

Remarks:

Cost information is in thousands of dollars.

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- (1) Contract - Army/CECOM/ITT/ROANOKE VA. Split procurement in FY03/04
- (2) Contract - Army/CECOM/LITTON/TEMPE, AZ. Split procurement in FY03/04
- (3) Contract Eng/Stamford, CT priced at \$24,250K ea
- (4) Contract Eng/Stamford, CT priced at \$25,700K ea

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES						
ITEM / 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										
FY2003(2)	98	\$3,196	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Jan-03	Nov-03			
FY2003(2)	59	\$3,343	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/LITTON/TEMP E, AZ	Feb-03	Feb-04			
FY2004(2)	95	\$3,213	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Jan-04	Oct-04			
FY2004(2)	62	\$3,360	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/LITTON/TEMP E, AZ	Jan-04	Oct-04			
FY2005(2)	1,323	\$3,287	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Dec-04	Sep-05	Yes		
AN/PVS-14 GROUNDCREW GOGGLES										
FY2003(1)	9	\$3,320	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/LITTON/TEMP E, AZ	Feb-03	Nov-03			
FY2003(1)	13	\$3,320	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/LITTON/TEMP E, AZ	Aug-03	Mar-04			
FY2003(1)	41	\$3,525	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Dec-03	Sep-04			
FY2004(1)	12	\$3,137	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Jan-04	Oct-04			
FY2004(1)	18	\$3,302	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/LITTON/TEMP E, AZ	Jan-04	Oct-04			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: NIGHT VISION GOGGLES
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ITEM / 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)	337	\$3,220	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	Dec-04	Sep-05	Yes	
AN/PVS-15 GROUND CREW GOGGLES									
FY2004(1)	65	\$7,425	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY/LITTON/TEMPE, AZ	Jan-04	Jun-04		
FY2005(1)	22	\$7,494	AFMC/WR-ALC	MIPR/FFP W/OPT	NAVY/LITTON/TEMPE, AZ	Dec-04	May-05	Yes	
AIRCREW GOGGLES									
F-4949G AIRCREW GOGGLES									
FY2003(1)	21	\$6,703	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/ARMY/CECOM/ITT/ROANOKE, VA	May-03	Sep-03		
F-4949H AIRCREW GOGGLES									
FY2003	22	\$6,703	AFMC/WR-ALC	MIPR/FFP W/OPT	ARMY/CECOM/ITT/ROANOK E, VA	May-03	Aug-03		
FY2004	30	\$6,703		/	UNKNOWN				
PANORAMIC NIGHT VISION GOGGLES									
FY2003(3)	140	\$59,762	AFMC/ASC	SS/FFP W/OPT	AF/INSIGHT TECH/LONDONDERRY, NH	Jul-04	Jan-05	Yes	
FY2004(3)	135	\$60,095	AFMC/ASC	SS/FFP W/OPT	AF/INSIGHT TECH/LONDONDERRY, NH	Jul-04	Jan-05	Yes	

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES						
ITEM / 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)	162	\$59,265	AFMC/ASC	SS/IDIQ	AF/INSIGHT TECH/LONDONDERRY, NH	Jan-05	Jul-05	Yes		
TEST SETS										
TEST SET, INFINITY FOCUS										
FY2003	20	\$5,500	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Feb-03	Jun-03			
FY2004	20	\$65,000	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Jan-04	Mar-04			
FY2005	68	\$3,750	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Jan-05	Mar-05	Yes		
TEST SET, INFRARED VIEWER-ANV126										
FY2004	7	\$27,650		/	UNKNOWN					
FY2003	10	\$24,250	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Feb-03	Jun-03			
FY2003	1	\$27,500	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Jul-03	Nov-03			
FY2004	16	\$25,700	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Jan-04	Mar-04			
TEST SET, INFRARED VIEWER-ANV126A										
FY2005	82	\$23,100	AFMC/WR-ALC	SS/IDIQ	HOFFMAN ENG/STAMFORD, CT	Jan-05	Mar-05	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: NIGHT VISION GOGGLES						
ITEM / 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: Cost information is in actual dollars. (1) SDD Contract w/Production Option - F33657-02-C-0008 (2) FY05 production quantities will be procured via a follow-on contract. FFP/IDIQ. Contract initially awarded in FY03. (3) Development program slip, qualification process for Block I and II.										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (PERSONAL SAFETY & RESCUE)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,324	\$16,200	\$12,997	\$9,649	\$16,694	\$15,223	\$10,526
<p>Description:</p> <ol style="list-style-type: none"> 1. This program contains numerous items of safety and rescue equipment used throughout the Air Force for protection of Air Force personnel, equipment, and facilities. Representative items include laser eye protection, survival radio test sets, life rafts, life preservers, breathing equipment, water demineralizers, parachutes, and anti-exposure coveralls. Personal safety and rescue equipment is essential for the safety, rescue, and protection of critical Air Force resources. 2. FY05 funding procures initial shortages as well as replacement equipment currently approaching obsolescence. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY 05 are identified on the following P-40A-IL and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements. 3. The following projects were added by Congress in the FY04 appropriation. Reference Appropriations Conference Report 108-283, Sep 24, 2003, page 219: <ul style="list-style-type: none"> Fixed Aircrew Standardized Seats (\$4.0M) Life Support Equipment - Active Noise Reduction (ANR) for crew headsets/helmets (\$3.0M) Quick Don Anti Exposure Suits (\$1.0M) Aircrew Survival Radio Test Sets (\$4.9M) 4. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands, and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

ITEMS LESS THAN \$5,000,000 (PERSONAL SAFETY & RESCUE)

Description

realignment from previous funding and forecasting models.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)				DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (PERSONAL SAFETY & RESCUE)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
BREATHING APPARATUS	4240013333495			439	\$1,730
RADIO TEST SET	6625014759885MH			44	\$1,972
LASER EYE PROTECTION	NSL			4,523	\$3,383
F-22 ANTI-GRAVITY SUIT	NSL			200	\$800
SELF CONTAINED BREATHING APPARATUS (SCBA)	NSL				\$2,000
ACES II EJECTION SEAT STRUCTURAL UPGRADE KITS	NSL			370	\$1,728
FSC 4210 FIRE FIGHTING EQUIPMENT					\$15
FSC 4220 MARINE LIFESAVING AND DIVING EQUIPMENT					\$543
FSC 4240 SAFETY AND RESCUE EQUIPMENT					\$129
FSC 4610 WATER PURIFICATION EQUIPMENT					\$275
FSC 6625 ELECTRICAL AND ELECTRONIC PROPERTIES MEAS					\$389

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (PERSONAL SAFETY & RESCUE)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
FSC 8475 SPECIALIZED FLIGHT CLOTHING & ACCESSORIES					\$31
TOTALS:					\$12,997

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$30,090	\$19,825	\$16,155	\$14,517	\$14,860	\$15,171	\$15,443
<p>Description:</p> <p>1. The Mechanized Material Handling Equipment P-1 line provides funding for Mechanized Material Handling Systems (MMHS), Storage Aids Systems (SAS), and Automatic Identification Technology (AIT) projects.</p> <p style="margin-left: 40px;">a. MMHS/SAS PROGRAMS: MMHS and SAS programs provide bases worldwide with automated and static equipment for storing, receiving, and shipping 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 (RSDS); high density storage systems (HDSS); pneumatic tube systems (PTS); conveyors (CONV); and a variety of SAS equipment including racks, bin shelving, modular cabinets, and mezzanines. Transportation systems generally include equipment such as aircraft passenger loading bridges and inbound/outbound baggage conveyor systems (BCONV) for passenger terminals (PAX); heavy duty freight handling conveyors, pallet build-up/breakdown lift conveyor stations, cargo staging racks, and overhead bridge cranes (OH CRN) for air freight terminal (AFT) systems; roller conveyors, overhead cranes, narrow aisle vehicle replacement (NAVR); and external aircraft fuel tank storage systems (EAFTSS). 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 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.</p> <p style="margin-left: 40px;">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</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT			
Description 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 (POMX), Mobility Inventory Control Accountability System (MICAS), Combat Ammunition System (CAS), Bare Base Reconstitution & Management System (BBRMS), Radio Frequency Identification (RFI), Air Force Part Marking (AFPM), Online Vehicles Information Management System (OLVIMS), Air Force Equipment Management System (AFEMS), Medical Logistics Patient Tracking (MLPT), Integrated Electronic Technical Manuals (IETM), Civil Engineering Readiness System (CERS), Passive Radio Frequency Identification Military Shipping (PRMSL), Civil Engineering Furnishings Management (CEFM), and Afloat Prepositioned Fleet (APF). 2. The following projects were added by Congress in the FY04 appropriation. Reference FY04 Defense Appropriations Conference Report 108-283, 24 Sep 2003, Pages 106-107: Point of Maintenance (POMX) (\$6.0M). a. The Point of Maintenance (POMX) automates the maintenance data documentation for flightline maintenance by allowing the maintenance technician to open and close jobs, order parts, and get status of parts orders. The congressional plus-up will continue funding the wireless infrastructure equipment, hand held terminals, printers, and installation of the POMX tools in support of the Air Force portion of the maintenance program in FY04. Equipment and integration contracts are in place to execute funding in FY04. 3. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 4. MMHS/SAS/AIT equipment by major command and individual projects are listed on the following P-40A document. Items requested for procurement in					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

MECHANIZED MATERIAL HANDLING EQUIPMENT

Description

FY04 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MECHANIZED MATERIAL HANDLING EQUIPMENT					{\$30,911}		{\$19,919}		{\$16,155}
AIR COMBAT COMMAND (ACC)					{\$1,854}				{\$1,318}
EAF TSS	A				{\$1,159}				{\$768}
LANGLEY AFB, VA (MCP) (1)									\$768
NELLIS AFB, NV					\$1,159				
SAS	A				{\$695}				{\$550}
BARKSDALE AFB, LA					\$405				
CANNON AFB, NM					\$189				
DAVIS MONTHAN AFB, AZ									\$250
LANGLEY AFB, VA					\$101				
SHAW AFB, SC (MCP) (1)									\$300

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AIR EDUCATION & TRAINING COMMAND (AETC)					{\$1,720}		{\$300}		{\$190}
EAFTSS	A				{\$1,130}				
TYNDALL AFB, FL					\$1,130				
RSDS	A				{\$443}		{\$300}		
ALTUS AFB, OK					\$443				
LACKLAND AFB, TX							\$300		
SAS	A				{\$147}				{\$190}
TYNDALL AFB, FL					\$147				
VANCE AFB, OK (MCP) (1)									\$190
AF CIVIL ENGINEERING & SUPPORT ACTIVITY (AFCESA)					{\$100}		{\$575}		{\$300}

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
RSDS	A				(\$100)				
HILL AFB, UT					\$100				
SAS	A						(\$575)		(\$300)
KUNSAN AB, ROK									\$300
SHAW AFB, SC							\$225		
YOKOTA AB, JA							\$350		
AIR FORCE MATERIAL COMMAND (AFMC)					(\$771)		(\$460)		(\$398)
OH CRN	A				(\$350)				
ROBINS AFB, GA					\$350				
PTS	A				(\$371)				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
HILL AFB, UT					\$371				
RSDS	A						{\$110}		{\$150}
EDWARDS AFB, CA									\$150
ROBINS AFB, GA							\$110		
SAS	A				{\$50}		{\$350}		{\$248}
DAVIS MONTHAN AFB, AZ (MCP) (1)					\$50				
HILL AFB, UT							\$350		
KIRTLAND AFB, NM									\$248
AIR FORCE RESERVE COMMAND (AFRC)							{\$190}		
SAS	A						{\$190}		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MPL-ST PAUL IAP, MN							\$190		
AIR FORCE SPACE COMMAND (AFSPC)					{\$207}		{\$476}		{\$200}
OH CRN	A						{\$476}		
FE WARREN AFB, WY (MCP) (1)							\$476		
RSDS	A								{\$200}
PETERSON AFB, CO									\$200
SAS	A				{\$207}				
CAPE CANAVERAL AS FL					\$207				
AIR MOBILITY COMMAND (AMC)					{\$16,567}		{\$8,447}		{\$9,734}

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
AFT	A				{\$14,887}		{\$4,171}		{\$8,916}
AVIANO AB, IT (MCP) (1)					\$300				
DOVER AFB, DE					\$272				
KADENA AB, JA (MCP) (1)					\$8,236		\$3,871		
RAMSTEIN AB, GE (MCP) (1)					\$6,079				
SIGONELLA NAS, IT							\$300		
YOKOTA AB, JA (MCP) (1)									\$7,000
BCONV	A				{\$307}		{\$150}		
INCIRLIK AB, TURKEY (MCP) (1)					\$200				
MACDILL AFB, FL (MCP) (1)							\$150		
NSA BAHRAIN (MCP) (1)					\$107				
INCIRLIK AB, TU									

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
HDSS	A				(\$400)		(\$1,950)		(\$600)
DOVER AFB, DE							\$400		
MCGUIRE AFB, NJ (MCP) (1)					\$400		\$950		
POPE AFB, NC							\$600		
TRAVIS AFB, CA (MCP) (1)									\$600
PAX	A						(\$1,500)		
RAMSTEIN AB, GE (MCP) (1)							\$1,500		
SAS	A				(\$973)		(\$676)		(\$218)
AF WIDE					\$375		\$376		
ANDREWS AFB, MD					\$50				

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

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

MECHANIZED MATERIAL HANDLING EQUIPMENT

PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
DOVER AFB, DE					\$113				
DYESS AFB, TX (MCP) (1)							\$200		
GRAND FORKS AFB, ND (MCP) (1)					\$210				
LITTLE ROCK AFB, AR (MCP) (1)					\$75				
MCCONNELL AFB, KS (MCP) (1)					\$150				
MCGUIRE AFB, NJ (MCP) (1)							\$100		
TRAVIS AFB, CA (MCP) (1)									\$218
AIR NATIONAL GUARD (ANG)					{ \$1,164 }		{ \$905 }		{ \$1,344 }
CONV	A								{ \$144 }
CAMP BLANDLING ANGB, FL									\$144
RSDS	A				{ \$899 }		{ \$500 }		{ \$500 }

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
ELLINGTON FIELD ANG, TX (MCP) (1)					\$236		
HILO ANGB, HI							\$300
JACKSON ANGB, MS					\$262		
MCCONNELL AFB, KS						\$250	
PEASE ANGB, NH						\$250	
RENO ANGB, NV (MCP) (1)					\$401		
TOLEDO ANGB, OH (MCP) (1)							\$200
SAS	A				{\$265}	{\$405}	{\$700}
BUCKLEY ANGB, CO (MCP) (1)							\$200
CHEYENNE ANGB, WY (MCP) (1)							\$250
FORT BLISS, TX (ANGB SECURITY FORCES) (MCP) (1)							\$250
FORT INDIANTOWN GAP ANGB, PA						\$155	

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MANSFIELD ANGB, OH (MCP) (1)					\$90				
MINNEAPOLIS-ST PAUL ANGB, MN (MCP) (1)					\$175				
WILL ROGERS ANGB, OK							\$250		
PACIFIC AIR FORCES (PACAF)					{\$591}		{\$350}		{\$750}
RSDS	A				{\$591}		{\$350}		
EIELSON AFB, AK (MCP) (1)					\$591				
KADENA AB, JA							\$350		
SAS	A								{\$750}
HICKAM AFB, HI (MCP) (1)									\$750
US AIR FORCES EUROPE (USAFE)					{\$499}		{\$285}		{\$90}

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
NAVR	A						{\$285}		{\$90}
RAF MILDENHALL, UK							\$100		
RAMSTEIN AB, GE							\$185		\$90
SAS	A				{\$499}				
RAF MILDENHALL, UK					\$499				
USAF-WIDE/AIT					{\$1,878}		{\$1,931}		{\$1,831}
BBRMS	A				{\$322}				
HOLLOMAN AFB, NM					\$322				
AFEMS	A								{\$131}
AF WIDE									\$131

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
AFPM	A				{500}		
ROBINS AFB, GA					\$500		
APF	A				(\$195)		
HILL AFB, UT					\$195		
CAS	A				(\$600)		
CANNON AFB, NM					\$600		
CEFM	A				(\$200)		
TYNDALL AFB, FL					\$200		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
CERS	A								(\$800)
AF WIDE									\$800
IETM	A								(\$400)
TINKER AFB, OK									\$400
MICAS	A				(\$457)		(\$100)		
AF WIDE					\$457		\$100		
MLPT	A								(\$500)
TINKER AFB, OK									\$500
OLVIMS	A						(\$231)		

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)							DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT					
PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
ROBINS AFB, GA							\$231		
PRMSL	A						{\$1,100}		
AF WIDE							\$1,100		
RFI	A				{\$104}				
AF WIDE					\$104				
USAF-WIDE/POMX/CAS					{\$5,560}		{\$6,000}		
WORLDWIDE CONGRESSIONAL ADD	A				\$5,560		\$6,000		
MILDENHALL RAF, UK	A								
TOTALS:					\$30,911		\$19,919		\$16,155
Remarks:									
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MECHANIZED MATERIAL HANDLING EQUIPMENT
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST

Cost information is in thousands of dollars.

USAF-WIDE/POMX/CAS reflects FY03 (\$5.560M) congressional add to implement the Point of Maintenance Initiative (POMX) worldwide. FY04 (\$6.0M) congressional add to implement the Point of Maintenance (POMX) worldwide.

(1) (MCP) - MMHS Projects associated with Military Construction Projects.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE INDUSTRIAL SUPPORT EQ)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,558	\$11,815	\$6,503	\$12,453	\$12,746	\$13,025	\$13,288
<p>Description:</p> <ol style="list-style-type: none"> 1. This program provides a wide range of industrial equipment for base-level industrial shops used in support of aircraft, communications, welding shops, electronic components, and paint shops. This equipment is used in the repair of engines, hydraulic/pneudraulic systems, landing gear, airframe components and instruments. Also included in this program is state-of-the-art equipment required to upgrade and replace the antiquated metalworking equipment in Air Force base maintenance shops. As this type of equipment reaches its life expectancy, it must be replaced to prevent work stoppage in the repair and manufacture of critical weapon system components. Replacement of this type of equipment is a continual, proactive process necessary to prevent out-of-tolerance conditions that lead to excessive down times for the equipment and the components they repair. 2. FY05 funding procures both initial shortages as well as replacement equipment which is facing obsolescence. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY05 are identified on the following P-40a and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements. 3. The following projects were added by Congress in the FY03 appropriation. Reference Appropriation Conference Report 107-732, Oct 9, 2002 page 219: Vaccine Facility Project (\$1.0M) Helibasket Technology (\$3.2M) 4. Items Less than \$5M received \$200K in the FY04 supplemental. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE INDUSTRIAL SUPPORT EQ)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
FSC 3220 - WOODWORKING MACHINES					\$403
FSC 3405 - SAWS AND FILING MACHINES					\$524
FSC 3408 - MACHING CENTERS AND WAY TYPE MACHINES					\$645
FSC 3413 - DRILLING MACHINES					\$26
FSC 3415 - GRINDING MACHINES					\$87
FSC 3416 - LATHES					\$673
FSC 3417 - MILLING MACHINES					\$472
FSC 3419 - MISCELLANEOUS MACHINE TOOLS					\$24
FSC 3424 - METAL HEAT TREATING EQUIPMENT					\$140
FSC 3426 - METAL FINISHING EQUIPMENT					\$11
FSC 3431 - ELECTRIC ARC WELDING EQUIPMENT					\$43
FSC 3432 - ELECTRIC RESISTANCE WELDING EQUIPMENT					\$41

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE INDUSTRIAL SUPPORT EQ)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
FSC 3433 - GAS WELDING & HEAT CUTTING EQP					\$41
FSC 3438 - MISCELLANEOUS WELDING EQUIPMENT					\$22
FSC 3441 - BENDING AND FORMING MACHINES					\$2,260
FSC 3445 - PUNCHING AND SHEARING MACHINES					\$480
FSC 3470 - MACHINE SHOP SETS, KITS, AND OUTFITS					\$618
FSC 3611 - INDUSTRIAL MARKING MACHINES					\$13
FSC 3625 - TEXTILE INDUSTRIES MACHINERY					\$14
FSC 4430 - INDUSTRIAL FURNACES, KILNS AND OVENS					\$9
TOTALS:					\$6,547

Remarks:
Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: FLOODLIGHTS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$10,869	\$5,774	\$5,882	\$1,922	\$1,929	\$1,933	\$1,939
<p>Description:</p> <ol style="list-style-type: none"> 1. Floodlights support many facets of maintenance operations including night maintenance on aircraft, loading and unloading cargo, and providing essential emergency lighting. They play a critical role in perimeter defense, emergency disaster coverage, and aircraft accident on-site investigations, as well as provide auxiliary power for air conditioners and portable x-ray equipment. 2. The Air Force procured the current NF-2 floodlights as early as 1960; some of these earliest units are still in the inventory. As such, all currently fielded NF-2 and unmodified NF-2D floodlights have exceeded their useful service life by approximately 13 years. Spare parts are no longer available through contract sources for repair of the floodlight sets. The FL-1D floodlight replaces these unsupported models. The FL-1D, consists of a tower for mounting two 1,000 watt floodlights, power distribution equipment, and a diesel engine driven generator set, permanently mounted on a 4-wheel trailer type chassis. By virtue of being 50 percent smaller than previously fielded models, FL-1Ds dramatically reduce airlift requirements assisting in the Air Force's increasing mission role as an expeditionary force. FY05 continues funding for procurement of floodlights. 3. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 4. Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements. 								
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT					P-1 NOMENCLATURE: FLOODLIGHTS								
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
FL1D FLOODLIGHTS (NSN 6230 01 439 3732RN)	A							357	\$15,713	\$5,610	416	\$13,930	\$5,795
CRATING FOR OVERSEAS SHIPMENTS							\$480			\$164			
1ST FIRST ARTICLE REFURBISHMENT (1)													\$60
DATA										\$27			\$27
TOTALS:							\$480	357		\$5,801	416		\$5,882
<p>Remarks: Total Cost information is in thousands of dollars.</p> <p>(1) FY05 will be a new competitive contract covering costs of refurbishing 2 each first articles after testing.</p>													
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: FLOODLIGHTS						
ITEM / 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	
FL1D FLOODLIGHTS (NSN 6230 01 439 3732RN)										
FY2004	357	\$15,713	AFMC/WR-ALC	MIPR/OPT/FFP	UNICOR/BIG SPRINGS, TX	Jan-04	Mar-04			
FY2005	416	\$13,930	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Apr-05	Jan-06	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 - FY04 ARE OPTIONS TO AN AUG 1997 CONTRACT WITH UNICOR. FY05 WILL BE A NEW COMPETITIVE REQUIREMENTS CONTRACT.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (ELECTRICAL EQUIPMENT)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$11,846	\$13,199	\$9,876	\$10,019	\$10,055	\$10,274	\$10,485
<p>Description:</p> <ol style="list-style-type: none"> 1. This program includes electrical power generators, switches, transformers and controls, connectors, and portable lighting equipment for power distribution for use throughout the Air Force. These items support communications systems, radar systems, aircraft maintenance shops, hospitals, maintenance shelters, civil engineering functions, and test ranges. This equipment supports daily operations as well as contingencies, natural disasters, and requirements for war reserve material. Lack of funding will not only affect the operational readiness capability of aircraft, communications, and base support missions, but will also degrade implementation of DoD directives for fuel standardization and emissions control. 2. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 3. Items Less Than \$5M Electrical Equipment received \$3.7M in the FY04 Supplemental. 4. FY05 funding procures initial shortages as well as replacement equipment which is currently approaching obsolescence. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested in FY05 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (ELECTRICAL EQUIPMENT)
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PROCUREMENT ITEMS	NSN	FY2005			
		QTY.	COST	QTY.	COST
GENERATOR, MEP 806B	6115014620291			64	\$1,911
GENERATOR, MEP 809A, 200KW	6115012961462			23	\$1,305
GENERATOR, MEP 809A 100KW	6115012961463			16	\$1,185
MINOR PROJECTS					
FSC 6110 - ELECTRICAL CONTROL EQUIPMENT					\$1,066
FSC 6115 - GENERATORS - PWR PLANTS					\$4,373
FSC 6130 - ELECTRICAL RECTIFYING EQUIPMENT					\$22
FSC 7010 - AUTO DATA PROCESSING EQP CONFIGURATION					\$13
TOTALS:					\$9,876

Remarks:
 Cost information is in thousands of dollars.

 FSC- Federal Stock Class

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$17,694	\$47,271	\$8,401	\$23,030	\$11,623	\$11,421	\$11,577
<p>Description:</p> <ol style="list-style-type: none"> 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 General Services Administration (GSA), Defense Logistics Agency (DLA), one of the other services, or from 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. Typical applications for BPE include roads and grounds maintenance; vehicle maintenance shops; vehicle corrosion control facilities; specialized tool kits and test equipment, civil engineering maintenance equipment, electrical and carpenter shops; specialized laboratories; kitchen and dining facilities; printing plants; air conditioning; heating requirements; microfilm and graphics support facilities. 2. The equipment described above is needed for day-to-day maintenance and operation of bases, weapons and support systems assigned to both active and air reserve forces. The program supports installations at multiple major commands. Requirements and priorities are affected by assignment and conversion of new equipment; beddown of new weapon systems; reorganizations; natural disasters; new operational methods to increase efficiency and safety; and energy conservation initiatives. 3. BPE requirements programmed by Air Force major commands and/or field operating agencies are displayed on the following P-40a Budget Exhibit. 4. The following project was added by Congress in the FY03 and FY04 appropriations: Combat Arms Training System (FY03 - \$3.5M and FY04 - \$3.0M). Reference Appropriation Conference Report 107-732, Oct 9, 2002, page 219 and Appropriation Conference Report 108-283, Sep 23, 2003, page 81. 5. BPE received \$34.745M in the FY 04 supplemental. 								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: BASE PROCURED EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
PACIFIC AIR FORCES	A				\$2,183		\$4,980		\$557
AF SPEC OPERATIONS CMD	A				\$588		\$2,815		\$582
AIR COMBAT CMD	A				\$2,784		\$9,741		\$2,787
US AIR FORCES EUROPE	A				\$2,925		\$3,716		\$642
AIR FORCE SPACE CMD	A				\$422		\$457		\$465
AIR MOBILITY CMD	A						\$4,221		
AIR EDUCATION & TRNG CMD	A				\$1,228		\$2,800		\$2,115
US AIR FORCE ACADEMY	A				\$1,318		\$1,250		\$1,253
AF CIVIL ENGR SPT AGENCY	A				\$272		\$6,031		
AIR NATIONAL GUARD	A				\$5,974		\$7,743		
AIR FORCE RESERVE CMD	A						\$3,000		
AIR FORCE MATERIAL CMD	A						\$517		
TOTALS:					\$17,694		\$47,271		\$8,401

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$13,742	\$29,520	\$14,019	\$14,595	\$14,939	\$15,268	\$15,574
<p>Description:</p> <p>1. Medical/Dental War Reserve Material (WRM) Equipment supports Air Force medical expeditionary and contingency requirements. Medical WRM allows the Air Force to rapidly deploy medical capability to forward operating locations. Adequate deployable medical capability is required for force protection. During the Cold War, the Air Force maintained large contingency hospitals throughout Europe, ready to receive casualties during a conflict with Warsaw Pact countries. Current doctrine and diminished forward basing requires the Air Force to maintain medical readiness assets in CONUS which can be rapidly transported via cargo aircraft to any location in the world, and upon arrival, be quickly set up and prepared to treat casualties. In many cases, typical hospital equipment cannot be used because it is too fragile, too heavy, or incompatible with operating in a certain climates (i.e., cold, hot, dry, humid) or contaminated environment. The major function of medical WRM equipment is to provide preventive medical capabilities, to keep wounded in action (WIA) personnel alive until definitive care can be provided, and to return less critically injured personnel to their units as quickly as possible.</p> <p>2. The following WRM equipment items/projects are funded by this program:</p> <p style="margin-left: 20px;">a. Modernization and Replacement of Centrally Managed Equipment (CME) 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:</p> <ul style="list-style-type: none"> (1) Communications Equipment (2) Environmental Control Units 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT			
Description <p>(3) Generators, Power Distribution Panels</p> <p>b. Deployable Oxygen System (DOS): DOS will provide United States Pharmacopoeia (USP) 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 (AE) and ground-based medical missions require an oxygen generating system capable of providing therapeutic oxygen to patients and oxygen-driven support equipment in-flight and on the ground. The current methods employed to meet these requirements are becoming logistically unsupportable.</p> <p>The current system of using liquid oxygen stores has become unsustainable. As the Air Force moves toward on-board oxygen generating system for its aircraft, liquid oxygen plants located in the theater have diminished drastically. This, combined with recent deployments of AE and ground medical units farther forward in the combat zone, has led to heightened difficulties in oxygen storage sustainment. An advanced oxygen production and storage system is needed to overcome these obstacles.</p> <p>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 64617f for R&D funds associated with the DOS program.</p> <p>c. Theater Medical Information Program (TMIP): 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 WIA personnel and their treatment--type, numbers, location; reports detailing casualty location and medical status ranging from the front line to rear echelons; logistical data--resource consumption information, supply inventories, logistical pipeline data, material delivery information, what materiel can be diverted to satisfy a higher priority; and medical personnel--matching medical/surgical capability and availability/locations with WIA requirements.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT			
Description <p>The current medical wartime communications infrastructure consists of readily available land lines and radio technology that dates from the late 1950s. 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 which 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 our medical assemblies.</p> <p>d. Patient Support Pallet (PSP): The Aeromedical Evacuation (AE) mission is to provide air transport and care-in-the-air for varying combinations of ambulatory, litter, and critical care patients on intra- and inter-theater missions ranging up to 14 hours in duration. Air Mobility Command (AMC) and the theater commands require a flexible, modular capability that can reconfigure opportune airlift aircraft rapidly for use in transporting various numbers and combination of patients. The PSP is the basic roll-on/off building block of an Aeromedical Evacuation Palletized System (AEPS). The PSP pallet base occupies the footprint of a 463L aircraft pallet. No FY05 funds requested.</p> <p>e. Collective Protection for Expeditionary Medical Support (CP-EMEDS): Current Strategic Planning Guidance (SPG) and operations plans (OPlans) place significant emphasis on the ability of forces to sustain operations before, during, and after chemical-biological (chem-bio) attacks due to the widespread proliferation of chem-bio weapons and missiles by potentially hostile states. As such, the Air Force Medical Service (AFMS) has a need for a field-deployable hospital with chem-bio collective protection capability. The Expeditionary Medical Support (EMEDS) is the primary tool of the Air Expeditionary Force (AEF) "light and lean with capability" construct for the AFMS. It meets Combatant Commander requirements across the full spectrum of military operations as a highly mobile hospital system designed to be airlifted to the front lines of the battlefield to provide medical care. An increased probability of operating in a chem-bio threat environment prompted design efforts to integrate chem-bio protection elements into EMEDS to allow medical personnel to operate without the use of mission-oriented protective posture (MOPP) gear. The result is CP-EMEDS. The deployment of CP-EMEDS meets current Air Force Combat Support Doctrine and significantly reduces airlift requirements from the older chem-bio hardened Air Transportable Hospital (CHATH). Significant savings in set-up time and manpower required to erect CP-EMEDS was demonstrated. No FY05 funds requested.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT			
Description					
<p>3. Medical Dental received \$2.1M as a Congressional Add in the Appropriation Conference Report 108-283, dated 24 Sep 03. Medical Dental received \$13.65M in the FY04 supplemental.</p> <p>4. Items requested in FY05 are identified 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.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
MODERNIZATION & REPLACEMENT	A				\$8,461		\$16,839		\$6,394
DOS	A				\$2,075		\$6,955		\$6,125
TMIP	A				\$360		\$5,150		\$1,500
PSP	A				\$86		\$576		
CP-EMEDS	A				\$2,760				
TOTALS:					\$13,742		\$29,520		\$14,019

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT
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ITEM / 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									
FY2003(1-2)			AFMLO	C/FFP	MULTIPLE (2)	Jan-03	Mar-03		
FY2004(1-2)			AFMLO	C/FFP	MULTIPLE (2)	Jan-04	Mar-04		
FY2005(1-2)			AFMLO	C/FFP	UNKNOWN	Jan-05	Mar-05	Yes	
DOS									
FY2003(1,3)			AFMC/HSC	C/FFP	ESSEX CRYOGENICS/ST LOUIS, MO	Jan-03	Jul-03		
FY2004(1,3)			AFMLO	C/FFP	UNKNOWN	Apr-04	Oct-04	Yes	
FY2005(1,3)			AFMLO	C/FFP	UNKNOWN	Feb-05	Aug-05	Yes	
TMIP									
FY2003(4)			AFMC/HSC	C/FFP	MULTIPLE (4)	Jan-03	Feb-03		
FY2004(4)			AFMC/HSC	C/FFP	MULTIPLE (4)	Jan-04	Feb-04		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT						
ITEM / 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(4)			AFMC/HSC	C/FFP	UNKNOWN	Jan-05	Feb-05	Yes		
PSP										
FY2003			AFMC/HSC	SS/FFP	ARINC ENG. SVCS LLC/OK CITY, OK	Feb-04	Aug-04	Yes		
FY2004			AFMC/HSC	SS/FFP	ARINC ENG. SVCS LLC/OK CITY, OK	Feb-04	Aug-04	Yes		
CP-EMEDS										
FY2003(5)			AFMC/HSC	C/FFP	MULTIPLE (6)	Feb-03	Jun-03			
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) such as RACAL										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MEDICAL/DENTAL EQUIPMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>Communications, Rockville, MD; Alaska Industrial Resources, Seattle, WA; and EASI Engineered Air Systems Inc, Saint Louis, MO. The award date and date of first delivery represent the first award of funding and the initial delivery of equipment.</p> <p>(3) Global War on Terrorism (GWOT) activities required the Office of the Air Force Surgeon General (AF/SG) WRM assets to operate and manage casualty flows in a Chemical, Biological, Radiological, Nuclear, and high-yield Explosive (CBRNE) environment. AF/SG identified new requirements (size, volume) for oxygen production and storage that is more WRM assemblage specific for various expeditionary medical and aeromedical capability options. Several oxygen systems have matured and become commercially available that, with further spiral development, will meet our deployable oxygen capability requirements. As this cutting edge technology evolves, use of other manufacturers may be applicable.</p> <p>(4) AFMC/HSC functions as the Theater Medical Information Program (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.</p> <p>(5) AFMC/HSC uses various methods to procure over 60 CP-EMEDS (collective protection-expeditionary medical system) components. The majority of the components are procured via the base supply requisition system. 11 components are procured from SBCCOM Natick Center (Army). Four components (CP Liners) are C/FFP from Production Products Manufacturing and Sales, St Louis MO and Intellitec, Deland FL. Five components (CP Liner Flooring) are C/FFP from Alaska Industrial Resources Inc.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,598	\$22,061	\$5,432	\$5,426	\$5,434	\$6,289	\$6,588
<p>Description:</p> <p>1. Air Base Operability (ABO), a subset of Agile Combat Support, 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 (UXO), 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.</p> <p style="margin-left: 20px;">A. The All-purpose Remote Transport System (ARTS) is a low cost survivable platform capable of remote operations at distances of up to three miles. ARTS was designed as a delivery platform for further development of detector, sensor, and EOD tools. It supports a multitude of contingency operations and is a vital component of global deployments and rapid response capabilities. Air Force Wright Laboratory developed this multi-purpose tool under the direction/funding of the Office of Science and Technology (OST) Joint Robotics Program. OST through Wright Laboratory worked with a vendor to take initial prototypes of this tool directly from the laboratory to the field. FY05 funds continue procurement of the ARTS. For corresponding Research and Development (R&D) funding, reference Program Element 64617F of the Air Force R&D Descriptive Summaries.</p> <p style="margin-left: 20px;">B. ARTS Attachments/EOD Support Equipment dramatically improves response time when neutralizing explosive hazards, thus saving lives and reducing damage. The Navy Explosive Ordnance Technology Division (NAVEODTECHDIV) is the OSD Executive Agent for joint service EOD R&D. Production funding is provided by individual services (reference PE 64617F of the Air Force R&D Descriptive). The Air Force requires the following equipment for the safety of deployed personnel and expedient removal of unexploded ordnance hazards.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: AIR BASE OPERABILITY			
Description 1) 90MM Water Cannons: ARTS attachments which neutralize improvised explosive devices (IEDs) in mid-size sedans and vans. 2) Recoilless, Multidirectional Water Cannon Mount: Recoilless capability provides spring action to reduce wear and tear on the water cannon mount. The multidirectional capability allows operations in confined spaces such as alleyways and areas where it is either impractical or impossible to realign the ARTS platform to discharge the water cannon. 3) ARTS Alternate Control System: Provides alternate control capability where RF remote control cannot be used or when RF link is lost. 4) Remote Ordnance Neutralization System (RONS): Medium-sized EOD robot includes a tele-operated platform and robotics manipulator that can be controlled by an operator at the operator control station (OCS) up to a distance of 650 meters. Remote control results in greater safety during performance of hazardous/high risk tasks such as reconnaissance, access, pick up and carry away (PUCA), and disposal. 5) RONS Advanced Radiographic System(ARS) Upgrade: Provides enhanced capability to investigate small-sized suspected terrorist devices such as pipe bombs or briefcase bombs. The ARS upgrade will also provide EOD operators a better means of assessing threats and determining the best neutralization method. 6) EOD Small Robots (includes the F6A and other commercial equivalents to MK-VI Andros robots). Small, narrow robot equipped with multiple television cameras for remote viewing and a dexterous manipulator for hazardous tasks. It is designed to allow operations in confined spaces. 7) Improved Operator Control Station (IOCS) - Laptop size remote control capability for ARTS roboticized platform and attachments. 8) EOD Mini Robots - Remotely controlled, mobile all-terrain platform with sensors capable of operating in confined areas where larger robots cannot					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: AIR BASE OPERABILITY			
Description perform, e.g., airport terminals. 9) ARTS Trailers - Capability to transport ARTS for rapid employment or redeployment. 10) Contaminant Air Processing System (CAPS) - Satisfies requirement for a sophisticated decontamination processing system offering compact transportability and standardized, multi-faceted processing adaptability. Employed in decontamination operations for nuclear, biological, and chemical, or other hazardous materials incidents. 11) ARTS ECOs - funding provides a series of minor design changes to production units and allows a standard operational configuration. 12) ARTS Radios - Provide radio frequency for remote control of ARTS roboticized platform. 2. ABO received \$15.9M in the FY04 supplemental to address mission-critical EOD capabilities/shortfalls. 3. Items requested in FY05 are identified on the following P-5 and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: AIR BASE OPERABILITY
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
A. ARTS					12		(\$3,320)	11		(\$5,181)	30		(\$2,936)
A.1 ARTS HARDWARE	A				12	\$208,883	\$2,507	11	\$213,999	\$2,354	6	\$222,000	\$1,332
A.2 ENGINEERING CHANGE ORDER - RADIOS	A										24	\$27,083	\$650
A.3 ARTS ENGINEERING CHANGE ORDERS (ECO)							\$607			\$2,507			\$584
A.4 INTERIM CONTRACTOR SUPPORT (ICS)							\$206			\$320			\$370
B. ARTS ATTACHMENTS/EOD SUPPORT EQUIPMENT					103		(\$2,278)	262		(\$16,880)	81		(\$2,496)
B.1. 90MM WATER CANNON	A							16	\$12,813	\$205			
B.2. RECOILLESS, MULTIDIRECTIONAL WATER CANNON MOUNT	A				27	\$20,409	\$551	39	\$21,205	\$827	6	\$22,332	\$134
B.3. ARTS ALTERNATE CONTROL SYSTEM	A							56	\$55,000	\$3,080	16	\$57,750	\$924
B.4. TELEOPERATED REMOTE AIMING PLATFORM (TRAP)	A										12	\$48,000	\$576
B.5. RONS	A				3	\$186,000	\$558	20	\$197,900	\$3,958			
B.6. RONS ARS SYSTEM UPGRADE	A				70	\$10,985	\$769						
B.7. EOD SMALL ROBOTS	A				3	\$133,400	\$400	26	\$145,000	\$3,770			

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT					P-1 NOMENCLATURE: AIR BASE OPERABILITY									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
B.8. IMPROVED OPERATOR CONTROL STATION (IOCS)	A							45	\$40,000	\$1,800	11	\$43,818	\$482	
B.9. MK-VI ROBOTS	A							24	\$120,000	\$2,880				
B.10 ARTS TRAILERS	A							36	\$10,000	\$360	36	\$10,556	\$380	
C. CONTAMINANT AIR PROCESSING SYSTEM														
CONTAMINANT AIR PROCESSING SYSTEM (CAPS)	A				105	\$19,057	\$2,001							
TOTALS:							\$7,599			\$22,061			\$5,432	
Remarks: Total Cost information is in thousands of dollars.														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
ITEM / 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	
A. ARTS										
A.1. ARTS HARDWARE										
FY2003	12	\$208,883	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Jan-03	Jun-03			
FY2004(1)	11	\$213,999	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Nov-03	Mar-04			
FY2005(1)	6	\$222,000	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Jan-05	Jun-05	Yes		
A.2. ENGINEERING CHANGE ORDER - RADIOS										
FY2005	24	\$27,083	AFMC/AAC	C/FFP	UNKNOWN	Mar-05	Jul-05	No	Nov-04	
B. ARTS ATTACHMENTS/EOD SUPPORT EQUIPMENT										
B.1. 90MM WATER CANNON										
FY2004	16	\$12,813	AFMC/AAC	MIPR/OTH/FFP	NAVY/UNKNOWN	Apr-04	Jul-04	Yes		
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
ITEM / 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.2. RECOILLESS, MULTIDIRECTIONAL WATER CANNON MOUNT										
FY2003	27	\$20,409	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Mar-03	Aug-03			
FY2004(1)	39	\$21,205	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Nov-03	Feb-04			
FY2005(1)	6	\$22,332	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Jan-05	Apr-05	Yes		
B.3. ARTS ALTERNATE CONTROL SYSTEM										
FY2004(1)	56	\$55,000	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Apr-04	Jul-04	Yes		
FY2005(1)	16	\$57,750	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Feb-05	Apr-05	Yes		

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
ITEM / 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.4. TELEOPERATED REMOTE AIMING PLATFORM (TRAP)										
FY2005(1)	12	\$48,000	AFMC/AAC	OPT/FFP	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Feb-05	Jul-05	Yes		
B.5. RONS										
FY2003	3	\$186,000	AFMC/AAC	C/FFP	NAVY/NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Feb-03	Jul-03			
FY2004	20	\$197,900	AFMC/AAC	C/FFP	UNKNOWN	Apr-04	Jun-04	Yes		
B.6. RONS ARS SYSTEM UPGRADE										
FY2003	70	\$10,985	AFMC/AAC	MIPR/OTH/FFP	NAVY/NAVY/NAVEODTECH DIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Feb-03	Jul-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
ITEM / 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.7. EOD SMALL ROBOTS										
FY2003	3	\$133,400	AFMC/AAC	C/FFP	NAVY/NAVEODTECHDIV, INDIANHEAD, MD REMOTEC/OAK RIDGE, TN	Feb-03	Jul-03			
FY2004	26	\$145,000	AFMC/AAC	C/FFP	UNKNOWN	Apr-04	Jul-04	Yes		
B.8. MK-VI ROBOTS										
FY2004	24	\$120,000	AFMC/AAC	C/FFP	UNKNOWN	Jun-04	Oct-04	No	Apr-04	
B.9. ARTS TRAILERS										
FY2004	36	\$10,000	AFMC/AAC	C/FFP	UNKNOWN	Jun-04	Sep-04	Yes		
FY2005	36	\$10,556	AFMC/AAC	OPT/FFP W/OPT	UNKNOWN	Jan-05	Mar-05	Yes		
B.10 IMPROVED OPERATOR CONTROL STATION (IOCS)(1)										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR BASE OPERABILITY						
ITEM / 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	
FY2004	45	\$40,000	AFMC/AAC	OPT/FFP W/OPT	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Jun-04	Sep-04	Yes		
FY2005	11	\$43,818	AFMC/AAC	OPT/FFP W/OPT	APPLIED RESEARCH ASSOCIATES/SOUTH ROYALTON, VT	Jan-05	Mar-05	Yes		
C. CONTAMINANT AIR PROCESSING SYSTEM										
CONTAMINANT AIR PROCESSING SYSTEM (CAPS)										
FY2003	105	\$19,057	AFMC/WR-ALC	C/FFP	SURVIVAL, INC/SEATTLE, WA	Sep-03	Nov-03			
<p>Remarks: Cost information is in actual dollars.</p> <p>(1) Options to Sole Source (SS) contract awarded Mar 02.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: PHOTOGRAPHIC EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$5,558	\$5,666	\$1,424	\$5,989	\$6,129	\$6,263	\$6,390
<p>Description:</p> <p>1. The Photographic Equipment program procures still photography, motion photography, graphic and multimedia imaging equipment and systems. These items support Air Force reconnaissance and intelligence programs, Air Force test ranges, combat camera still photographic documentation and deployable image management teams, and Base Multimedia Centers by replacing obsolete equipment that has either reached or exceeded maximum useful life or is unable to meet speed and quality of resolution that provides the critical visual information necessary for rapid and accurate command decisions. Multimedia Centers and deployable combat camera forces support requirements for commanders at all levels including the Secretary of Defense, the Chairman, Joint Chiefs of Staff, and installation commanders. Multimedia Centers provide imaging products for: education and training; public and internal information; battle damage assessment; operational awareness; and the historical record. Equipment includes conventional and digital still cameras and processors, motion cameras, developing and finishing equipment, and video/data projection systems.</p> <p style="margin-left: 40px;">a. Photo Projection Equipment (Federal Stock Class (FSC) 6730): FY05 funding continues procurement of primarily electronic imaging and data projection systems. The program is designed to incorporate the use of electronic imaging systems where appropriate. Electronic presentation eliminates the necessity of transferring images to film or acetate based materials by eliminating the need for acetate and photographic processing.</p> <p style="margin-left: 40px;">b. Photo Equipment and Accessories (FSC 6760): FY05 continues to procure specialized film-based photographic systems that cannot be replaced with electronic photography. These newer systems comply with or exceed federal and state environmental regulations and provide full resolution capability or rapid high speed imaging not available with electronic imaging.</p> <p style="margin-left: 40px;">c. Electronic Imaging Center Conversions: FY05 completes phase II of the Electronic Imaging Center program. This program completely replaced film</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: PHOTOGRAPHIC EQUIPMENT			
Description and chemical based technology with electronic and digital cameras, multimedia systems, digital photographic processing, digital graphic systems, image data banks, image network hubs and presentation systems. Phase II completes replacement of the original Electronic Imaging systems in Base Multimedia centers at all Air Force bases. This program promotes standards based systems to ensure inter-operability and to reduce training costs from installation to installation. Digital technology enhances electronic transportability of imagery and provides commanders with near real-time images from anywhere in the world. 2. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 3. Items requested in FY05 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.					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

PHOTOGRAPHIC EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
PHOTO PROJ EQ (FSC 6730)	A				\$225		\$225		\$400
PHOTO EQ AND ACC (FSC 6760)	A				\$2,800		\$766		\$504
ELECTRONIC IMAGING CENTER CONVERSIONS	A				\$2,641		\$691		\$520
TOTALS:					\$5,666		\$1,682		\$1,424

Remarks:

Cost information is in thousands of dollars.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: PRODUCTIVITY ENHANCING CAPITAL INVESTMENTS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$7,361	\$3,087	\$5,475	\$5,288	\$5,499	\$0	\$0
<p>Description:</p> <p>1. This P-1 line (previously called Productivity Investments) funds the Air Force Productivity Enhancing Capital Investment (PECI) projects in the Productivity Investment Fund (PIF) and the Fast Payback Capital (FASCAP) investment programs. Investment 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. These programs conserve critical resources, enhance unit capability, and improve combat effectiveness. The users, which are the Major Commands (MAJCOMs), provide their own offsets from projected savings to sustain future investments for these programs. Elimination of this funding would reduce the capability to implement productivity improvements and enhancements in the work place, throughout the Air Force. FY 05 funding provides support for FASCAP projects, only.</p> <p style="margin-left: 40px;">a. To qualify for the PIF program, projects must cost over \$200,000 and amortize in less than four years. Projects are approved by the Air Force based on shortest payback and highest rate of return on investment. To date, projects have yielded life cycle savings of over \$6 for every \$2 invested.</p> <p style="margin-left: 40px;">b. To qualify for the FASCAP program, projects must cost less than \$200,000 and amortize in less than two years. Projects are approved by MAJCOMs based on the shortest amortization period and best return on investment. To date, projects have yielded life cycle savings of over \$7 for every \$3 invested.</p> <p>2. Items requested in FY05 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.</p>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

PRODUCTIVITY ENHANCING CAPITAL INVESTMENTS

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
1. PIF					{\$3,149}				
A. SUPPLY ASSET TRACKING SYSTEM (SATS), LITTLE ROCK AFB, ARKANSAS (AETC)	A				\$1,430				
B. SUPPLY ASSET TRACKING SYSTEM (SATS), LUKE AFB, ARIZONA (AETC)	A				\$258				
C. K-838 TEST STAND (ACC)	A				\$275				
D. SUPPLY ASSET TRACKING SYSTEM (SATS), ALTUS AFB, OKLAHOMA (AETC)	A				\$320				
E. PURCHASE TUB GRINDER (ACC)	A				\$339				
F. GILABEND AIR FORCE AUXILIARY FIELD (AFAP) INFORMATION TECHNOLOGY UPGRADE (AETC)	A				\$527				
2. FASCAP					\$4,354		\$2,955		\$5,698
TOTALS:					\$7,503		\$2,955		\$5,698

Remarks:

Cost information is in thousands of dollars.

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: PRODUCTIVITY ENHANCING CAPITAL INVESTMENTS						
ITEM / 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										
A. SUPPLY ASSET TRACKING SYSTEM (SATS), LUKE AFB, ARIZONA (AETC)										
FY2003		\$258	HQ AETC	C/FFP	NORTHROP GRUMMAN INFORMATION TECHNOLOGY/WILLIAMSBU RG, VA	Dec-03	Mar-04			
B. SUPPLY ASSET TRACKING SYSTEM (SATS), LITTLE ROCK AFB, ARKANSAS (AETC)										
FY2003		\$1,430	HQ AFCESA	DO/FP	GATEWAY COMPUTERS/NORTH SIOUX CITY, SD	Dec-03	Feb-04			
C. K-838 TEST STAND (ACC)										
FY2003		\$275	HQ AETC	C/FFP	STRATASYSTEMS INC./EDEN PRAIRIE, MN	Sep-03	Sep-03			
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT			P-1 NOMENCLATURE: PRODUCTIVITY ENHANCING CAPITAL INVESTMENTS							
ITEM / 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	
D. SUPPLY ASSET TRACKING SYSTEM (SATS), ALTUS AFB, OKLAHOMA (AETC)										
FY2003		\$320	HQ AETC	C/FFP	COMMAND TECHNOLOGIES INC./WARRENTON, VA	Sep-03	Jan-04			
E. PURCHASE TUB GRINDER (ACC)										
FY2003(1-3)		\$339	HQ AETC	C/FFP	MULTIPLE	Nov-03	Nov-03			
F. GILABEND AIR FORCE AUXILIARY FIELD (AFAF) INFORMATION TECHNOLOGY UPGRADE (AETC)										
FY2003		\$527	HQ AFSPC	MIPR/FFP	SANDIA NATIONAL LABS, P. O. BOX 5800/ALBUQUERQUE, NM	Sep-03	Nov-03			
FASCAP										
FY2003		\$4,354		/	UNKNOWN					
FY2005		\$5,698		/	UNKNOWN					

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: PRODUCTIVITY ENHANCING CAPITAL INVESTMENTS						
ITEM / 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	
FY2004		\$2,955		/	UNKNOWN					
<p>Remarks: Cost information is in thousands of dollars.</p> <p>(1) Contractors are (a) Westwood Computer Corporation, Springfield, NJ. (b) Information Security Systems, Titan Corporation, Hanover, MD. (c) Network Equipment Technologies Federal, Vienna, VA. (d) Federal Network Services, Redmond, WA</p> <p>(2) Award dates are (a) 4 Nov 2003. (b) 17 Nov 2003. (c) 3 Nov 2003. (d) 6 and 12 Nov 2003</p> <p>(3) Delivery dates are (a) 4 Dec 2003. (b) 29 Dec 2003. (c) 25 Nov 2003. (d) 4 and 13 Dec 2003</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MOBILITY EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$423,596	\$92,261	\$320,116	\$79,184	\$87,164	\$61,984	\$62,657
<p>Description:</p> <p>MOBILITY EQUIPMENT:</p> <p>1. This program funds procurement of Basic Expeditionary Airfield Resources (BEAR), formally known as Harvest Falcon (HF) and Harvest Eagle (HE). It includes equipment to support the beddown of deployed forces (personnel, aircraft, support equipment, and munitions) at austere sites where infrastructure is lacking. BEAR assets are a critical enabler for the Expeditionary Air Force strategy. 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 will 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 revetment kits, airfield lighting, aircraft hangars, fire stations, and numerous additional systems to support flight line operations. Costs include (in CONUS or prepositioned overseas) inventory reconstitution, spares and consumables, repairs, and procurement of new equipment for upgrades or full set replacement. In the past, these assets proved to be invaluable in supporting Operations Southern Watch, Provide Relief, Provide Promise, Provide Comfort, Restore Hope, Sea Signal, Uphold Democracy, Joint Endeavor, Desert Focus, Desert Fox, Noble Anvil, and Allied Force. More recently, BEAR demonstrated its critical role in support of Operations Enduring Freedom and Iraqi Freedom. Continued taskings of BEAR assets nearly depleted available inventory. Current procurements are supporting the reload and replenishment of this critical enabler.</p> <p>2. The training line in FY05 will provide new and replacement equipment items for the BEAR training facility located at Holloman AFB NM.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: MOBILITY EQUIPMENT			
Description 3. In FY05, the AF will procure additional items needed to convert 1100-person Harvest Falcon Housekeeping Sets to BEAR 550 Initial and BEAR 550 Follow-on Housekeeping Packages. MODERNIZATION: 4. In FY05, the AF will modernize major BEAR components to replace obsolete items (e.g. aircraft hangars, heaters, kitchens, fuel support equipment, and refrigerators) in existing sets. 5. Mobility Equipment received \$331.5M in the FY03 supplemental. 6. Items requested in FY05 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.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MOBILITY EQUIPMENT
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WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005		
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST
MOBILITY EQUIPMENT						(\$423,596)			(\$92,261)	46		(\$320,116)	
HARVEST FALCON HOUSEKEEPING	A					\$269,003			\$50,580				
HARVEST FALCON INDUSTRIAL OPERATIONS	A					\$55,695			\$8,832				
HARVEST FALCON INITIAL FLIGHTLINE	A					\$65,853			\$10,773				
HARVEST FALCON FOLLOW-ON FLIGHTLINE	A					\$10,397			\$2,186				
HARVEST EAGLE HOUSEKEEPING	A					\$21,859			\$19,612				
A. SWIFT BEAR 150	A									1	\$934,600	\$935	
B. BEAR 550 INITIAL HOUSEKEEPING	A									11	6,616,000	\$72,776	
C. BEAR 550 FOLLOW-ON HOUSEKEEPING	A									22	5,664,000	\$124,608	
D. BEAR INDUSTRIAL OPERATIONS	A									1	7,462,000	\$7,462	
E. BEAR INITIAL FLIGHTLINE	A									2	2,626,000	\$25,252	
F. BEAR FOLLOW-ON FLIGHTLINE	A									9	1,729,000	\$15,561	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT					P-1 NOMENCLATURE: MOBILITY EQUIPMENT										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
TRAINING EQUIPMENT	A						\$789			\$278			\$7,430		
CONVERSION KITS	A												\$16,800		
MODERNIZATION													{\$49,292}		
AIRCRAFT HANGARS													\$5,000		
HEATERS													\$16,500		
SINGLE PALLET EXPEDITIONARY KITCHENS													\$4,626		
FUEL BLADDERS AND ASSOCIATED SUPPORT EQUIPMENT													\$20,000		
ADVANCE DESIGN REFRIGERATORS													\$3,166		
TOTALS:							\$423,596			\$92,261			\$320,116		
Remarks: Total Cost information is in thousands of dollars.															
				P-1 ITEM NO 99								PAGE NO: 89		Page 2 of 3	

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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004				
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT					P-1 NOMENCLATURE: MOBILITY EQUIPMENT									
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005			
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	
<p>Due to an increase in demand for BEAR assets the Air Force changed from a commodity based to a full set procurement strategy.</p>														
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MOBILITY EQUIPMENT						
ITEM / 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	
HARVEST FALCON HOUSEKEEPING										
FY2003(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04			
FY2004(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes		
HARVEST FALCON INDUSTRIAL OPERATIONS										
FY2003(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04			
FY2004(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes		
HARVEST FALCON INITIAL FLIGHTLINE										
FY2003(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04			
FY2004(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes		
HARVEST FALCON FOLLOW-ON FLIGHTLINE										
FY2003(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04			
FY2004(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes		
HARVEST EAGLE HOUSEKEEPING										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MOBILITY EQUIPMENT
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ITEM / 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
FY2003(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04		
FY2004(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes	
BEAR 550 INITIAL HOUSEKEEPING									
FY2005(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes	
SWIFT BEAR 150									
FY2005(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes	
BEAR 550 FOLLOW-ON HOUSEKEEPING									
FY2005(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes	
BEAR INDUSTRIAL OPERATIONS									
FY2005(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes	
BEAR INITIAL FLIGHTLINE									

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MOBILITY EQUIPMENT						
ITEM / 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	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes		
BEAR FOLLOW-ON FLIGHTLINE										
FY2005(1-2)			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes		
TRAINING EQUIPMENT										
FY2003			AFMC/WR-ALC	OTH/OTH	MULTIPLE	May-03	May-04			
FY2004			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-04	Feb-05	Yes		
FY2005			AFMC/WR-ALC	OTH/OTH	MULTIPLE/UNKNOWN	Mar-05	Feb-06	Yes		
CONVERSION KITS										
FY2005			AFMC/WR-ALC	OTH/OTH	UNKNOWN	Jan-05	Jun-05	Yes		
MODERNIZATION										

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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MOBILITY EQUIPMENT						
ITEM / 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	
AIRCRAFT HANGARS										
FY2005			AFMC/WR-ALC	OTH/OTH	UNKNOWN	Oct-04	Nov-06	Yes		
HEATERS										
FY2005			AFMC/WR-ALC	OPT/OTH	UNKNOWN	Nov-04	Aug-05	No	Apr-04	
SINGLE PALLET EXPEDITIONARY KITCHENS										
FY2005			AFMC/WR-ALC	OTH/OTH	UNKNOWN	Dec-04	Mar-05	Yes		
FUEL BLADDERS AND ASSOCIATED SUPPORT EQUIPMENT										
FY2005			AFMC/WR-ALC	OTH/OTH	UNKNOWN	Oct-04	Jun-05	Yes		
ADVANCE DESIGN REFRIGERATORS										
FY2005			AFMC/WR-ALC	OTH/OTH	UNKNOWN	Oct-04	Apr-05	Yes		
MOBILITY EQUIPMENT										
Remarks:										
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: MOBILITY EQUIPMENT						
ITEM / FISCAL YEAR	QTY.	UNIT COST	LOCATION OF PCO	CONTRACT METHOD & TYPE	CONTRACTOR AND LOCATION	AWD. DATE	DATE FIRST DEL.	SPECS AVAIL NOW	DATE REV. AVAIL	
<p>(1) Quantity/unit costs vary depending on types/configurations of equipment being procured.</p> <p>(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. Dyncorp Inc., (Albany, GA site) was selected to aggregate items into complete sets. Aggregation includes receipt, inspection, inventory control, packing, and shipment of both equipment and support items. Award/delivery dates reflect date of first award and first delivery. 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; Polarthrem-Luvia, Finland; EASC, Aston PA; Universal Fabric, Quakertown, PA; Hunter Heaters, Solon, OH; and SPX Corporation, Owatona, MN.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR CONDITIONERS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$9,616	\$11,262	\$1,452	\$5,576	\$5,666	\$3,821	\$3,896
<p>Description:</p> <ol style="list-style-type: none"> 1. This program provides funding to procure air conditioning systems for Air Force ground-support missions. These assets provide environmental control--both cooling and heating. Old air conditioning systems contain hydrochlorofluorcarbon (HCFC-22), a Class II ozone depleting substance scheduled to phase out by 2005. New procurement items contain a non-ozone depleting refrigerant (R-134a), required for the government to comply with the Montreal Protocol Treaty on substances that deplete the ozone layer and the Clean Air Act, which necessitate the elimination of HCFC-22 refrigerant. 2. The Field Deployable Environmental Control Unit (FDECU) is an electric-motor driven, vapor cycle, skid-mounted air conditioner with a cooling capacity of 55,000 to 67,000 British Thermal Units (BTU) per hour using ozone friendly R-134a refrigerant. The FDECU is used for air conditioning, heating, dehumidifying, filtering, and ventilation in a tent environment. It is critical to the support of deployment missions and training exercises. Support is provided for Presidential Executive support missions, US Special Operations Command combat communications units, F-15 and F-16 aircraft avionics maintenance shops, Air Force Flight Test Center test sites, Aerial Port/Combat Control organizations, Civil Engineering Red Horse and Prime Beef Operations, and Security Police dog kennels. Humanitarian relief operations in conjunction with US and Allied/Coalition Forces also utilize/employ the FDECU. Without the availability of the FDECU, degradation of our support to contingency operations in deployed locations and humanitarian relief operations would exist. The FDECU will replace assets that have exceeded their service life, can no longer be economically repaired or maintained, and which also utilize HCFC-22 refrigerant. All new units comply with the Montreal Protocol Treaty and Clean Air Act. FY05 funding continues procurement of the FDECU. This item is not only utilized and essential to the deployed units of the Air Force and BEAR, but to the Army, Navy Marines, Special Operations Command, Military Intelligence and Medical Troops as well. 3. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: AIR CONDITIONERS			
Description process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhancements. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 4. Air Conditioners received \$1.1M in the FY04 supplemental. 5. Items requested in FY05 are identified on the following P-40A and are representative of items to be procured. Items procured during execution may change based on the most critical equipment needed to support current Air Force mission requirements.					
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WEAPON SYSTEM COST ANALYSIS (EXHIBIT P-5)										DATE: FEBRUARY 2004					
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT					P-1 NOMENCLATURE: AIR CONDITIONERS										
WEAPON SYSTEM COST ELEMENTS	IDENT CODE				FY2003			FY2004			FY2005				
		QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST	QTY	Unit Cost	TOTAL COST		
AIR CONDITIONER	A				942	\$10,208	\$9,616	935	\$12,045	\$11,262	111	\$11,169	\$1,240		
TECHNICAL ORDERS													\$212		
TOTALS:					942		\$9,616	935		\$11,262	111		\$1,452		
Remarks: Total Cost information is in thousands of dollars.															
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BUDGET PROCUREMENT HISTORY PLANNING (EXHIBIT P-5A)							DATE: FEBRUARY 2004			
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: AIR CONDITIONERS						
ITEM / 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 CONDITIONER										
FY2003	942	\$10,208	AFMC/WR-ALC	OPT/FFP W/OPT	KECO INDUSTRIES/FLORENCE, KY	Jan-03	Jun-04			
FY2004	935	\$12,045	AFMC/WR-ALC	OPT/FFP W/OPT	KECO INDUSTRIES/FLORENCE, KY	Dec-03	Oct-04			
FY2005	111	\$11,169	AFMC/WR-ALC	C/FFP W/OPT	UNKNOWN	Jan-05	Aug-05	Yes		
<p>Remarks: Cost information is in actual dollars.</p> <p>FY03 AND FY04 were options to a competitive, firm fixed price contract awarded in June 1997. FY05 will be a new competitive firm fixed price contract with options.</p>										
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE SUPPORT EQUIP)				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$31,856	\$40,157	\$18,811	\$13,323	\$15,154	\$24,994	\$25,602
<p>Description:</p> <ol style="list-style-type: none"> 1. This program provides a wide variety of base support items with worldwide application. Examples include servicing platforms, aircraft arresting systems, compressors with various applications, refrigeration units, heaters, pallets to support Air Force missions, and military working dogs (used for base and anti-terrorist protection). This equipment provides prime support for all base missions. Lack of funding for these equipment items limits maintenance capabilities, testing functions, anti-terrorism/security missions, communications capabilities, flight operations, and the ability of Air Force units to meet deployment requirements. 2. The Air Force is transforming the support equipment procurement strategy to an improved collaborative requirements determination and prioritization process to support warfighter capabilities and effects. Process improvements enhance validity and visibility and reduce risk. Headquarters Air Force, Major Commands and Single Managers have coordinated process changes to implement enhances. As a result, the FY05 procurement data reflects realignment from previous funding and forecasting models. 3. Items Less Than \$5M Base Support Equipment received \$24.7M in the FY04 supplemental. Items Less Than \$5M Base Support Equipment received \$9M in the FY03 supplemental. Items Less Than \$5M Base Support Equipment received \$612K as a Congressional Add in the Appropriations Conference Report 108-283, dated 24 Sept 03. 4. FY05 funding procures initial shortages as well as replacement equipment currently approaching obsolescence. All items have an annual procurement value of less than \$5,000,000 and are Code A. Items requested for procurement in FY05 are identified on the following P-40A-IL and are representative of 								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)

DATE: FEBRUARY 2004

APPROP CODE/BA:
OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:
ITEMS LESS THAN \$5,000,000 (BASE SUPPORT EQUIP)

Description

items to be procured. Items procured during execution may change based on the most 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 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE SUPPORT EQUIP)			
PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
PALLET, AIR CARGO	1670008204896CT			1,140	\$1,053
CARGO NET, TOP	1670009694103CT			13,635	\$1,950
CARGO NET, SIDE	1670009962780CT			15,033	\$2,150
MOBILE AIRCRAFT ARRESTING SYSTEM (MAAS)	1710012232235RN			2	\$1,094
DECONTAMINATING APPARATUS	4230013463122			24	\$1,176
PUMPING ASSEMBLY	4320001319185			50	\$2,623
FUEL SERVICING UNIT	4930001122432RN			33	\$3,731
COLLAPSIBLE FABRIC TANK-50K FUEL BLADDER	5430010903517RN			142	\$1,885
MILITARY WORKING DOGS (MULTIPLE NSNS)				458	\$1,348
FSC 1710 - AIRCRAFT ARRESTING SYS					\$524
FSC 4610 - WATER PURIFICATION EQUIPMENT					\$685

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS(EXHIBIT P-40A-IL)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: ITEMS LESS THAN \$5,000,000 (BASE SUPPORT EQUIP)
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PROCUREMENT ITEMS	NSN			FY2005	
		QTY.	COST	QTY.	COST
FSC 4933 - WEAPONS MAINTENANCE & REPAIR SHOP SPECIALIZED EQP					\$309
FSC 6665 - HAZARD DETECTING EQUIP					\$285
TOTALS:					\$18,811

Remarks:
 Cost information is in thousands of dollars.

 FSC- Federal Stock Class

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: TECHNICAL SURVEILLANCE COUNTERMEASURES EQUIPMENT				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$3,982	\$17,897	\$4,034	\$4,061	\$4,016	\$4,105	\$4,186
<p>Description:</p> <p>1. The Technical Surveillance Countermeasures Equipment Program is a continuous program for the acquisition of Technical Surveillance Countermeasures (TSCM), Technical Investigative Equipment (TIE), and Investigative Support Equipment in support of the Air Force Office of Special Investigations (AFOSI). AFOSI-trained technical agent teams located on Air Force installations worldwide conduct specialized technical surveys to detect clandestine intelligence gathering devices in sensitive Department of Defense (DOD) facilities. These devices may be targeted against facilities for purposes of counterintelligence or competitive intelligence collections. These specialists also conduct numerous technical support operations annually in support of criminal, fraud, and counterintelligence investigations.</p> <p>2. Some equipment items used to support these missions utilize antiquated technology and urgently need to be replaced. TSCM equipment must continually be updated to keep abreast of the technological advances incorporated in the design of current intelligence gathering devices. In addition, the use of technologically advanced equipment saves man-years of labor in extremely complex criminal and fraud investigations. Based on rapid technology advancements and the critical need for AFOSI to maintain pace, AFOSI's dependence on this advanced equipment will increase. Some equipment has also reached a phase in its life cycle when maintenance and repair costs have become excessive, and in some cases parts for those repairs are no longer available. The Air Force TSCM program is in danger of becoming ineffective with the use of old equipment. Sensitive Air Force facilities will become highly vulnerable to technical penetration without new/upgraded equipment.</p> <p>3. This program also includes Investigative Support Equipment that supports the AFOSI specialized investigative services (USAF Polygraph Program, USAF Computer Crime Investigations, and AFOSI specialized evidence collection and analysis activities). Specially trained agents support all types of investigations with state of the art surveillance equipment uniquely designed to monitor illicit activity and provide protection to undercover agents.</p>								
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: TECHNICAL SURVEILLANCE COUNTERMEASURES EQUIPMENT			
Description <p>These specialists have continually proved critical to resolving major investigations. AFOSI polygraph examiners conduct over 4,200 polygraph examinations annually in support of criminal/fraud/counterintelligence investigations and counterespionage operations. Failure to maintain AFOSI's polygraph equipment will result in the loss of credibility of USAF polygraph exams and result in non-certification of polygraph examiners. Advances in computer technology and the amount of sensitive data maintained in USAF computer systems necessitates the procurement of state of the art equipment to aid in computer intrusion investigations and the analysis of computer media evidence.</p> <p>4. The following categories of investigative equipment are being procured in FY05. Project funding by fiscal year is provided on the following P-40A. This equipment is required to counter the level of sophistication of foreign governments/intelligence services, terrorists, and criminals, e.g. the September 11th and USS Cole terrorist attacks, US State Department bug, etc.</p> <p>a. TSCM Survey Systems. These systems consist of TSCM equipment/components necessary to detect, exploit, and neutralize clandestine technical surveillance systems employed against sensitive Air Force and DOD facilities. Equipment must be upgraded to counter the threat presented by new and advanced technical surveillance devices. The capabilities of the equipment being procured are constantly reviewed to ensure that the most comprehensive surveys are conducted to disclose the presence of clandestine monitoring devices. These systems have the capability to search for covert transmissions from facilities both from the interior and exterior while not alerting a potential adversary of the TSCM team's presence. These systems include equipment to examine telephone systems to determine their security. Additionally, equipment is needed to conduct non-destructive examinations of walls, furniture, etc., for concealed devices.</p> <p>b. Specialized Law Enforcement Equipment. This specialized equipment is uniquely designed for and utilized during lawfully authorized monitoring of activities and conversations. This visual monitoring often occurs during the hours of darkness and sophisticated light enhancing equipment must be used. Audio monitoring during meetings between suspected criminals and undercover agents must be accomplished without the possibility of the agent being identified; therefore, updated equipment that is smaller and less susceptible to detection and interception must be procured to ensure the agents' safety. Video and audio monitoring is often done remotely and specialized equipment to clandestinely transmit the images and audio is used.</p>					
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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)			DATE: FEBRUARY 2004		
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT		P-1 NOMENCLATURE: TECHNICAL SURVEILLANCE COUNTERMEASURES EQUIPMENT			
Description <p>Advances in telephone systems require continuing improvements and upgrades to AFOSI's telephone monitoring equipment. Additionally, the capability to track the movements of suspected individuals and contraband, without revealing law enforcement's presence and utilizing the latest advances in navigation and position systems, must be procured as existing technology in this area is rapidly becoming obsolete. Without maintaining pace with advancements in these and other areas, AFOSI's ability to detect and solve crimes with lawfully collected evidence will be greatly diminished. Lastly, the capability to analyze and enhance audio and video recordings from both law enforcement surveillance and suspected individuals' audio/video equipment requires continuous upgrading to keep pace with advancing technology.</p> <p>c. Computer Crime and Intrusion Investigation Systems. The evolution of a new wave of computer crimes has made AFOSI responsible for the collection, investigative analysis, national level law enforcement coordination, and dissemination of hacker activity and intrusion incidents for the Air Force. AFOSI's computer crime equipment must stay on the leading edge of technology to collect criminal information as well as pursue and apprehend criminals through the global medium. AFOSI must continually update its existing high tech computer surveillance equipment to support ongoing and future investigative operations to identify hackers and hacker groups, as well as potential hostile government activities targeting Air Force communication and control systems. This equipment specifically supports the growing investigative case load resulting from increasing use of computers used in crime and the explosion of incidences of attempted intrusions into USAF and other DoD computer systems. This equipment consists of computer network monitoring systems and computer forensic equipment.</p> <p>Program OSI Coalition Provisional Authority (Iraq) Counter Intelligence Support received \$1.907M in the FY 04 supplemental.</p> <p>Program Technical Surveillance Countermeasures Equipment Program received \$8.115M in the FY 04 supplemental to replace equipment damaged/left in theater.</p>					
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)

DATE: FEBRUARY 2004

APPROP CODE/BA:

OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT

P-1 NOMENCLATURE:

TECHNICAL SURVEILLANCE COUNTERMEASURES EQUIPMENT

PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TSCM SURVEY SYSTEMS (1)	A				\$1,949		\$15,933		\$1,994
SPECIALIZED LAW ENFORCEMENT SURVEILLANCE EQUIPMENT	A				\$1,063		\$1,018		\$1,021
COMPUTER CRIME/INTRUSION INVESTIGATION SYSTEM	A				\$970		\$946		\$1,019
TOTALS:					\$3,982		\$17,897		\$4,034

Remarks:

Cost information is in thousands of dollars.

(1) Counter Intelligence Support is included in the TSCM Survey Systems

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: DARP RC135
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$12,888	\$16,651	\$18,726	\$0	\$0	\$0	\$0

Description:

FY06-FY09 - Detailed information DARP-RC 135 program remains classified and will be provided on a need-to-know basis. For further information, please contact USAF/XOIRC, 614-7317.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: DARP MRIGS
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST <small>(in Thousands)</small>		\$114,230	\$99,174	\$320,218	\$0	\$0	\$0	\$0

Description:

FY06-FY09 - Detailed information DARP- MRIGS program remains classified and will be provided on a need-to-know basis. For further information, please contact USAF/XOIRY, 697-0810.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT	P-1 NOMENCLATURE: MODIFICATIONS
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		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$199	\$200	\$195	\$199	\$204	\$208	\$213

Description:

1. Permanent modifications are configuration changes to in-service systems and equipment which correct material or other deficiencies or add or delete capability. Safety modifications correct deficiencies which would produce hazards to personnel, systems or equipment. This budget line encompasses both new and on-going modification efforts for base maintenance and support equipment.

2. The dollars budgeted in FY05 are for "Miscellaneous Low Cost Modifications" to satisfy historically unforeseen modification requirements.

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/OTHER BASE MAINTENANCE AND SUPPORT EQUIPMENT				P-1 NOMENCLATURE: FIRST DESTINATION TRANSPORTATION				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$14,110	\$4,943	\$5,767	\$5,743	\$5,968	\$6,142	\$6,318
<p>Description:</p> <p>1. First Destination Transportation (FDT) is the movement of property from the free-on-board (FOB) point of acquisition to the point at which the material is first received for use, storage, or distribution in the military supply system. When advantageous to the government, the contractual price includes the investment item transportation (FOB destination) and finances them as part of their unit cost. This P-1 line program provides for continental United States (CONUS) and outside CONUS movement of material newly procured by Air Force major commands (MAJCOMs). FY05 funding will provide for shipment of items procured FOB origin from all Air Force procurement appropriations (Aircraft, Missile, Ammunition and Other Procurement). The requirement is based on material buy programs in the procurement appropriations and is computed using a factor relationship of FDT costs to the value of the associated procurement programs.</p> <p>2. FDT received \$4.5M in the FY 03 supplemental.</p>								
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DEPARTMENT OF THE AIR FORCE
OTHER PROCUREMENT APPROPRIATION ESTIMATES
FOR FISCAL YEAR 2005

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SPARES AND REPAIR PARTS

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BUDGET ITEM JUSTIFICATION (EXHIBIT P-40)							DATE: FEBRUARY 2004	
APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS				P-1 NOMENCLATURE: SPARES AND REPAIR PARTS				
		FY2003	FY2004	FY2005	FY2006	FY2007	FY2008	FY2009
QUANTITY								
COST (in Thousands)		\$54,174	\$36,310	\$41,394	\$28,637	\$26,241	\$18,821	\$25,345
<p>Description:</p> <p>Initial Spares consist of reparable components, assemblies, subassemblies, and consumable items required as initial stockage (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 obligation authority in the Air Force Supply Management Activity Group (AFSMAG) 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 funds reimburse the AFSMAG as outlays occur and are, therefore, budgeted based on outlay projections. 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.</p> <p>Replenishment Spares consist of components, assemblies, and subassemblies required to resupply initial stockage for reasons other than support of newly fielded end items. This includes additional stockage due to changes in usage, deployment of systems, and readiness initiatives. Replenishment spares include AFWCF spares and AFWCF Exempt spares.</p> <p>Items requested in FY05 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>								
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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005				
		QTY.	COST	QTY.	COST	QTY.	COST			
SPARES & REPAIR PARTS										
INITIAL SPARES					{ \$53,903,000 }		{ \$36,189,000 }			{ \$41,271,000 }
ITEMS LESS \$5M, FIRE FIGHTING EQUIPMENT PE 72831 (P-1 LINE NO. 27)	A				\$128,000		\$303,000			
AIR CARGO MATERIEL HANDLING 60K LOADER, PE 41214 (P-1 LINES 32)	A				\$9,395,000		\$7,185,000			\$7,979,000
TACTICAL TERMINAL, PE 35158 (P-1 LINE NO. 47)	A				\$421,000		\$695,000			\$1,639,000
NATIONAL AIRSPACE SYSTEM, PE 35137 (P-1 LINE NO. 49)	A				\$3,874,000		\$3,085,000			\$3,298,000
THEATER AIR CONTROL SYSTEM IMPROVEMENTS, PE 27412 (P-1 LINE NO. 50)	A				\$419,000		\$370,000			\$85,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
WEATHER OBSERVATION/FORECAST, PE 35111 (P-1 LINE NO. 51)	A				\$1,150,000		\$1,468,000		\$1,489,000
WORLDWIDE JOINT STRAT COM, PE 11316 (P-1 LINE NO. 52)	A				\$577,000		\$573,000		\$583,000
CHEYENNE MOUNTAIN COMPLEX, PE 35906 (P-1 LINE NO. 53)	A				\$657,000		\$646,000		\$652,000
MOBILITY COMMAND AND CONTROL, PE 41840 (P-1 LINE NO. 58)	A				\$21,000		\$20,000		\$20,000
AIR FORCE PHYSICAL SECURITY, PE 27589 (P-1 LINE NO. 59)	A				\$745,000		\$170,000		\$174,000
COMBAT TRAINING RANGES, PE 27429 (P-1 LINE NO. 60)	A				\$775,000		\$768,000		\$783,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
THEATER BATTLE MANAGEMENT C2 SYSTEMS, PE 27438 (P-1 LINE NO. 64)	A				\$14,877,000		\$1,572,000		\$1,846,000
NAVSTAR GPS (SPACE), PE 35165, 35164 (P-1 LINE NO. 70)	A				\$170,000		\$93,000		\$93,000
AF SATELLITE CONTROL NETWORK, PE 35110 (P-1 LINE NO. 72)	A				\$2,026,000		\$4,411,000		\$3,167,000
SPACELIFT RANGE SYSTEM (SPACE), PE 35182 (P-1 LINE NO. 73)	A				\$1,996,000		\$696,000		\$1,402,000
MILSATCOM (SPACE), PE 33601 (P-1 LINE NO. 74)	A				\$4,254,000		\$4,107,000		\$9,794,000
SPACE MODS (SPACE), PE 35910, 35912 (P-1 LINE NO. 75)	A				\$6,021,000		\$1,978,000		\$219,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE			FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST	QTY.	COST
TACTICAL CE EQUIPMENT, PE 27423 (P-1 LINE NO. 76)	A				\$95,000		\$4,784,000		\$4,362,000
TV EQUIPMENT (AFRTV), PE 88711 (P-1 LINE NO. 79)	A				\$246,000		\$244,000		\$247,000
AIR TRAFFIC CONTROL & LANDING SYS, PE 35114 (P-1 LINE NO. 48)	A				\$796,000		\$789,000		\$805,000
ITEMS LESS THAN \$5M ELECTRICAL EQUIPMENT, PE 72832 (P-1 LINE NO. 82)	A				\$3,165,000		\$26,000		\$416,000
EXPEDITIONARY AIRFIELD BASING ASSETS, PE 41135 (P-1 LINE NO. 99)	A				\$517,000		\$552,000		\$714,000
COMSEC EQUIPMENT, PE 33401 (P-1 LINE NO. 44)	A				\$775,000				

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005			
		QTY.	COST	QTY.	COST	QTY.	COST		
TAC SIGINT SUPPORT, PE 27431(P-1 LINE NO. 54)	A				\$57,000		\$107,000		\$109,000
MISSION PLANNING SYSTEMS, PE 28006 (P-1 LINE NO. 50)	A				\$746,000		\$510,000		\$364,000
INFORMATION SYSTEMS SECURITY PROGRAM, PE 33140 (P-1 LINE NO. 59)	A						\$1,037,000		\$1,031,000
AIR BASE GROUND DEFENSE, PE 27588 (P-1 LINE NO 59)	A								
REPLENISHMENT SPARES					{\$271,000}		{\$121,000}		{\$123,000}
INFORMATION SYSTEMS SECURITY PROGRAM, PE 33140 (P-1 LINE NO. 59)	A						\$80,000		\$82,000

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BUDGET ITEM JUSTIFICATION FOR AGGREGATED ITEMS (EXHIBIT P-40A)	DATE: FEBRUARY 2004
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APPROP CODE/BA: OPAF/SPARE AND REPAIR PARTS	P-1 NOMENCLATURE: SPARES AND REPAIR PARTS
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PROCUREMENT ITEMS	ID CODE	FY2003		FY2004		FY2005	
		QTY.	COST	QTY.	COST	QTY.	COST
WEAPONS STORAGE & SECURITY SYSTEM, PE 35155 (P-1 LINE NO. NONE)	A		\$138,000		\$41,000		\$41,000
COMSEC EQUIPMENT, PE 33401 (P-1 LINE NO. 44)	A		\$82,000				
COMBAT AIR INTEL SYS ACTIVITIES, PE 27431, (P-1 LINE NO. 64)	A		\$51,000				
TOTALS:			\$54,174,000		\$36,310,000		\$41,394,000

Remarks:

Cost information is in actual dollars.

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