PE NUMBER: 0605976F
PE TITLE: Facility Restoration and Modernization - T&E

Exhibit R-2, RDT&E Budget Item Justification

DATE: February 2004

BUDGET ACTIVITY: 06 RDT&E Management Support

PE NUMBER AND TITLE: 0605976F Facility Restoration and Modernization - T&E

	Cost ($ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
	Total Program Element (PE) Cost	0.000	33.652	58.936	59.359	57.352	60.092	60.847	0.000	0.000
06MC	Facility Restoration and Modernization - T&E	0.000	33.652	58.936	59.359	57.352	60.092	60.847	0.000	0.000

(U) A. Mission Description and Budget Item Justification

Prior to FY04 this effort was accomplished in PE 0605807F, Test and Evaluation (T&E) Support. Provides resources for restoration and modernization of an Air Force Materiel Command (AFMC) inventory of T&E facilities. Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are also not included.

These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB. The activities were previously funded within PEC 06050807F, Test and Evaluation Support.

This program element is in Budget Activity 6, RDT&E Management Support, because it funds the restoration/modernization of the institutional test infrastructure at the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

(U) B. Program Change Summary ($ in Millions)

		FY 2003	FY 2004	FY 2005
(U)	Previous President's Budget	0.000	33.940	59.091
(U)	Current PBR/President's Budget	0.000	33.652	58.936
(U)	Total Adjustments	0.000	-0.288	
(U)	Congressional Program Reductions		-0.288	
	Congressional Rescissions			
	Congressional Increases			
	Reprogrammings			
	SBIR/STTR Transfer			

(U) Significant Program Changes:

Beginning in FY04, the AF identified a unique program element for facilities restoration/modernization. These funds were previously within PE 0605807F, Test and Evaluation Support.

Exhibit R-2a, RDT&E Project Justification

DATE: February 2004

BUDGET ACTIVITY: 06 RDT&E Management Support

PE NUMBER AND TITLE: 0605976F Facility Restoration and Modernization - T&E

PROJECT NUMBER AND TITLE: 06MC Facility Restoration and Modernization - T&E

	Cost ($ in Millions)	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total
06MC	Facility Restoration and Modernization - T&E	0.000	33.652	58.936	59.359	57.352	60.092	60.847	0.000	0.000
	Quantity of RDT&E Articles	0	0	0	0	0	0	0		

(U) A. Mission Description and Budget Item Justification

Prior to FY04 this effort was accomplished in PE 0605807F, Test and Evaluation (T&E) Support. Provides resources for restoration and modernization of an Air Force Materiel Command (AFMC) inventory of T&E facilities. Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are also not included.

These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB. The activities were previously funded within PEC 06050807F, Test and Evaluation Support.

This program element is in Budget Activity 6, RDT&E Management Support, because it funds the restoration/modernization of the institutional test infrastructure at the Air Force test activities which are included in the Department of Defense (DoD) Major Range and Test Facility Base (MRTFB).

(U) B. Accomplishments/Planned Program ($ in Millions)	FY 2003	FY 2004	FY 2005
(U) Accomplishments/Planned Program:		0.000	
(U) Restoration and modernization funds were previously within PE 0605807F, T&E Support and restoration and modernization planning and design.		0.000	
(U) Restoration/modernization of test unique infrastructure at the 46th Test Group (TG), located at Holloman AFB, NM. Restoration projects include Test Group (TG) Facility Safety Repairs, National Radar Cross Section (RCS) Test Facilit (NRTF) Mainsite Roof Repairs, Video Tracking Equipment, Secure Phone Replacement and Building 1265 (746th Tes Squadron Hq Building) Facility Repairs and restoration and modernization planning and design.		0.389	
(U) 46TG: Restoration/modernization of test unique infrastructure at the 46th Test Group. Projects include Kranko drive upgrade at NRTF for $219K; main site power validation/repair at NRTF for $250K and repave camera pad/connector roads at 846th TS for $700K.			1.149
(U) Restoration/modernization of test unique infrastructure at the 46th Test Wing (TW), located at Eglin AFB, FL. Restoration projects include Repair Piping Climatic Lab, Install Additional Cooling in Test Hangar, Repair Roof of Armament Research Test Facility (Bldg 463), Repair Roof of Gun Test Facility (Bldg 410), Repair Fire Detection-Ala		2.814	

Exhibit R-2a, RDT&E Project Justification		DATE February 2004
BUDGET ACTIVITY **06 RDT&E Management Support**	PE NUMBER AND TITLE **0605976F Facility Restoration and Modernization - T&E**	PROJECT NUMBER AND TITLE **06MC Facility Restoration and Modernization - T&E**

	System in the Climatic Laboratory, Repair Roof of Test Facility, Replace Chain Link Fence at Bldg 410, Replace Compressed Air Lines at Test Facilities, Repair Roof at Radar Facility, Repair Roof at Armament Research Facility an Repair Fence in Test Area A-24 and restoration and modernization planning and design.		
(U)	46TW: Restoration/modernization of test unique infrastructure at the 46th Test Wing (TW), located at Eglin AFB, FL.. The 46th Test Wing has an excess of 200 restoration/modernization projects effecting T & E facilities to include but nc limited to the following categories: Roofing, Windows & Doors, Roads, Fire Protection, Erosion, and HVAC. Some of these restoration/modernization projects include Bldg 8320-replace seawall, Bldg 8550-replace HVAC, Bldg 9270-refi seawall, Bldg 9292-replace soil around building foundation, Bldg 12722-replace septic tank, Bldg 12722-replace AC, Bldg 9403-inspect and replace tower bolts, Climatic Laboratory (Bldg 440) - repair roof leaks, Climatic Laboratory (Bldg 440) - replace existing asphalt Roadway, Climatic Laboratory (Bldg 440) - refurbish two main chamber doors, Climatic Laboratory (Bldg 440) - Replace corrosion piping for air makeup #1, Bldg 955-repair Range Road 234, Bldg 68-repair/replace windows, Range Site-renovate control Bldg, Range Site-provide & install NEC Infrastructure Com Power.		4.411
(U)	Restoration/modernization of test unique infrastructure at the Arnold Engineering and Development Center (AEDC), located at Arnold AFB, TN. Restoration projects which will revitalize the reliability and availability of aged equipmer include Repair Tunnel A Actuators, Replace Low and High Pressure Dryer Filters, Replace C-Plant Heater Fuel Pipe, Replace T3 High Pressure Air Valves, Replace Vacuum Systems Control Panel (G) and restoration and modernization planning and design.	27.921	
(U)	AEDC: Restoration/modernization of test unique infrastructure at the Arnold Engineering and Development Center (AEDC), located at Arnold AFB, TN. Projects to revitalize the reliability and availability of aged equipment integral tc the test capabilities such as: Engine Test Facilities, Propulsion Wind Tunnels, Von Karmon Test Facilities, Space and Missile chambers and facilities, and supporting plant facilities. The increased funding is required for large-scale, well -documented R&M projects at AEDC test facilities that directly support military and commercial engine development, Joint Strike Fighter, hypersonic programs and the National Missile Defense and Spacecraft test and evaluation.		51.006
(U)	Restoration/modernization of test unique infrastructure at the Air Force Flight Test Center (AFFTC), located at Edwarc AFB, CA. Restoration projects include Benefield Anechoic Facility (BAF) Electrical Upgrades, Repair air conditioni system (Bldg 1030), Repair Radio Frequency Personnel Doors (Bldg 1030), Replace Network Communications Cable (Bldg 1440) and Replace Control Room Floor (Bldg 145) and restoration and modernization planning and design.	2.528	
(U)	AFFTC: Restoration/modernization of test unique infrastructure at the Air Force Flight Test Center (AFFTC), located Edwards AFB, CA. Restoration projects include expanding fire sprinkler system Bldg 1020 Integrated Facility for Avionics Systems Test (IFAST); upgrading fire alarm panels and detection system in the data acquisition center, and repair radio frequency shielded personnel doors at Bldg 1030 Benefield Anechoic Facility (BAF); design for future facility modifications to IFAST and BAF; replace control room floor (Bldg 145); replace roof (Bldg 4795); modify control rooms 248/249/250 phase 1 (Bldg 1440); replace UPS (Bldg 5790); install utility meters (Bldgs 1830 & 1440);		2.370

Exhibit R-2a, RDT&E Project Justification		DATE February 2004
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pave drainage ditch between spurs 3 & 4 (airfield); abate and resurface hangar floor (Bldgs 1630 & 1635); install tiedowns pad 29 (airfield); repaint taxi lines ramp 12; and restoration and modernization planning and design.

(U) Total Cost	0.000	33.652	58.936	

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

	FY 2003 Actual	FY 2004 Estimate	FY 2005 Estimate	FY 2006 Estimate	FY 2007 Estimate	FY 2008 Estimate	FY 2009 Estimate	Cost to Complete	Total Cost
(U) AF RDT&E									
(U) Other APPN									

Related RDT&E: PE 0604256F, Threat Simulator Development; PE 0604759F, Major T&E Investment, PE 0604940D, Central T&E Investments, PE 0605807F, Test and Evaluation Support, and PE 0605978F, Facility Sustainment - T&E support.

(U) D. Acquisition Strategy

Not applicable