

UNCLASSIFIED

PE NUMBER: 0605976F

PE TITLE: Facility Restoration and Modernization - T&E

Exhibit R-2, RDT&E Budget Item Justification									DATE May 2009																																					
BUDGET ACTIVITY 06 RDT&E Management Support					PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E																																									
Cost (\$ in Millions)	FY 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total																																				
Total Program Element (PE) Cost	61.234	46.108	52.409	0.000	0.000	0.000	0.000	0.000	Continuing	TBD																																				
06MC Facility Restoration and Modernization - T&E	61.234	46.108	52.409	0.000	0.000	0.000	0.000	0.000	Continuing	TBD																																				
(U) A. Mission Description and Budget Item Justification Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are not included. These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB. Budget Activity Justification: 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) <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th></th> <th style="text-align: right;"><u>FY 2008</u></th> <th style="text-align: right;"><u>FY 2009</u></th> <th style="text-align: right;"><u>FY 2010</u></th> </tr> </thead> <tbody> <tr> <td>(U) Previous President's Budget</td> <td style="text-align: right;">59.750</td> <td style="text-align: right;">46.234</td> <td style="text-align: right;">55.305</td> </tr> <tr> <td>(U) Current PBR/President's Budget</td> <td style="text-align: right;">61.234</td> <td style="text-align: right;">46.108</td> <td style="text-align: right;">52.409</td> </tr> <tr> <td>(U) Total Adjustments</td> <td style="text-align: right;">1.484</td> <td style="text-align: right;">-0.126</td> <td></td> </tr> <tr> <td>(U) Congressional Program Reductions</td> <td></td> <td></td> <td></td> </tr> <tr> <td> Congressional Rescissions</td> <td></td> <td style="text-align: right;">-0.126</td> <td></td> </tr> <tr> <td> Congressional Increases</td> <td style="text-align: right;">1.484</td> <td></td> <td></td> </tr> <tr> <td> Reprogrammings</td> <td></td> <td></td> <td></td> </tr> <tr> <td> SBIR/STTR Transfer</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>												<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	(U) Previous President's Budget	59.750	46.234	55.305	(U) Current PBR/President's Budget	61.234	46.108	52.409	(U) Total Adjustments	1.484	-0.126		(U) Congressional Program Reductions				Congressional Rescissions		-0.126		Congressional Increases	1.484			Reprogrammings				SBIR/STTR Transfer			
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(U) Significant Program Changes: FY08 Congressional Increase: GWOT Supplemental \$1.484M for High Speed Test Track repair at Holloman AFB.																																														

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Exhibit R-2 (PE 0605976F)

Exhibit R-2a, RDT&E Project Justification

DATE

May 2009

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 2008 Actual	FY 2009 Estimate	FY 2010 Estimate	FY 2011 Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost to Complete	Total
06MC Facility Restoration and Modernization - T&E	61.234	46.108	52.409	0.000	0.000	0.000	0.000	0.000	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0		

FY2008 totals include \$1.484M in supplemental GWOT funding.

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

Restoration includes repair and replacement work to restore damaged facilities due to accident or failure attributable to inadequate sustainment, excessive age, or other causes. Modernization includes alteration of facilities to implement a new, higher standard (including regulatory changes), to accommodate new functions, or to replace building components that typically last more than 50 years (such as foundations and structural components). Other tasks associated with facilities operations (such as custodial services, grass cutting, and the provision of central utilities) are not included.

These restoration/modernization funds support the following Air Force test facilities: 46th Test Group (TG) at Holloman AFB, NM, the 46th Test Wing (TW) at Eglin AFB, FL, the Arnold Engineering and Development Center (AEDC) at Arnold AFB, TN and the Air Force Flight Test Center (AFFTC) at Edwards AFB.

Budget Activity Justification:

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)**

	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>
(U) Accomplishments/Planned Program:			
(U) 46TG: The 46 Test Group has various documented test facility restoration/modernization requirements. These requirements include but are not limited to the following categories: road repair, HVAC repairs and replacements, roof repairs and replacements, test track repairs, minor construction and infrastructure repairs to include underground power lines.	2.699	0.814	0.789
(U) 46 TW: The 46th Test Wing has documented over 200 test facility restoration/modernization requirements. These include, but are not limited to, the following categories: range roads, fiber-optic communications grid, roofing, windows, doors, fire protection, erosion control, lightening protection, environmental clean-up, corrosion control, and HVAC. The accomplishments also include minor construction/reconstruction of Eglin Test and Training Range test sites and facilities; evaluation and implementation of storm mitigation efforts to protect critical test sites; fiber optic cable installation and interconnectivity to enhance communications, data transfer, and instrumentation across the range and test facilities.	2.474	2.307	2.349
(U) AEDC: Projects to revitalize the Engine Test Facilities, Propulsion Wind Tunnels, Von Karman Test Facilities, and Space and Missile chambers located at Arnold AFB, TN, the National Full-Scale Aerodynamic Complex (NFAC)	50.903	38.842	45.125

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Project 06MC

Exhibit R-2a (PE 0605976F)

Exhibit R-2a, RDT&E Project Justification							DATE May 2009				
BUDGET ACTIVITY 06 RDT&E Management Support				PE NUMBER AND TITLE 0605976F Facility Restoration and Modernization - T&E		PROJECT NUMBER AND TITLE 06MC Facility Restoration and Modernization - T&E					
(U) <u>B. Accomplishments/Planned Program (\$ in Millions)</u> located at NASA Ames Reserach Center, CA, and Tunnel 9 located at White Oak, Maryland. Projects to restore and modernize the supporting plant facilities and to perform project specific planning and design. Also includes large-scale projects that directly support engine development, the Joint Strike Fighter program, hypersonic programs, the Missile Defense Agency, and spacecraft test and evaluation.				<u>FY 2008</u>		<u>FY 2009</u>		<u>FY 2010</u>			
(U) AFFTC: AFFTC: Test facility restoration/modernization projects for EW, Range, and other T&E facilities include, but are not limited to, roofing, heating & air conditioning, windows, doors, and floors, work area rezoning, transformers and power systems, fire suppression systems, seismic upgrades, and RAM replacement.				4.165		4.145		4.146			
(U) Ohio ANG: Internal Base Facility Energy Independence - Wind Turbine				0.993							
(U) Total Cost				61.234		46.108		52.409			
(U) <u>C. Other Program Funding Summary (\$ in Millions)</u>											
		<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>Cost to</u>	<u>Total Cost</u>
		<u>Actual</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Estimate</u>	<u>Complete</u>	
(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) <u>D. Acquisition Strategy</u> Not applicable											

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