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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force **DATE:** February 2012

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0605976F: <i>Facility Restoration and Modernization - T&E</i>
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COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	46.091	44.547	42.597	-	42.597	35.046	43.815	26.899	29.067	Continuing	Continuing
6606MC: <i>Facility Restoration and Modernization - T&E</i>	46.091	44.547	42.597	-	42.597	35.046	43.815	26.899	29.067	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

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 this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	46.327	44.547	45.723	-	45.723
Current President's Budget	46.091	44.547	42.597	-	42.597
Total Adjustments	-0.236	-	-3.126	-	-3.126
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.236	-	-3.126	-	-3.126

Change Summary Explanation

FY11: Cong General Reductions -\$0.236 are reflected in BY1 Other Adjustment Row.

FY13: \$3.1M reduction to fund higher DoD priorities within the T&E portfolio.

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
<p>Title: Facility restoration and modernization at the 46 TG</p> <p>Description: Facility restoration and modernization at the 46 TG.</p> <p>FY 2011 Accomplishments: The 46 TG 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.</p> <p>FY 2012 Plans: The 46 TG 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.</p> <p>FY 2013 Plans: The 46 TG 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.</p>		0.462	0.802	0.825
<p>Title: Facility restoration and modernization at the 46 TW</p> <p>Description: Facility restoration and modernization at the 46 TW.</p> <p>FY 2011 Accomplishments: The 46TW requirements sustain the integrity of the test facility structure and to enhance accessibility to the test ranges. Examples of these requirements include, but are not limited to the following test structures or categories; replace several munitions storage magazines, install emergency back-up power for Radar/Optical tracking testing, replace air make-up unit, pave range access roads to accommodate external customer testing, replace roofs on mission critical buildings, install lightning protection to buildings within munitions storage areas, install fire suppression systems test facilities, environmental clean-up and disposal and corrosion control of critical structures. Minor construction projects, such as replacement of windows, doors, HVAC units, fiber optics, and storm mitigation which will all preserve the 46TW sites and infrastructure.</p> <p>FY 2012 Plans: The 46 TW requirements 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, HVAC, minor construction/reconstruction of 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.</p> <p>FY 2013 Plans:</p>		2.359	2.316	2.383

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
The 46 TW requirements 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, HVAC, minor construction/reconstruction of 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.				
<p>Title: Facility restoration and modernization at AEDC</p> <p>Description: Facility restoration and modernization at AEDC.</p> <p>FY 2011 Accomplishments: AEDC projects continue revitalizing of 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) located at NASA Ames Research 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.</p> <p>FY 2012 Plans: AEDC projects continue revitalizing of 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) located at NASA Ames Research 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.</p> <p>FY 2013 Plans: AEDC projects continue revitalizing of 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) located at NASA Ames Research 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.</p>		39.653	37.063	34.900
<p>Title: Facility restoration and modernization at AFFTC</p> <p>Description: Facility restoration and modernization at AFFTC.</p>		3.617	4.366	4.489

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2011	FY 2012	FY 2013
<p><i>FY 2011 Accomplishments:</i> AFFTC will continue projects for Electronic Warfare, Range, and other T&E facilities including, but 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.</p> <p><i>FY 2012 Plans:</i> AFFTC will continue projects for Electronic Warfare, Range, and other T&E facilities including, but 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.</p> <p><i>FY 2013 Plans:</i> AFFTC will continue projects for Electronic Warfare, Range, and other T&E facilities including, but 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.</p>			
Accomplishments/Planned Programs Subtotals	46.091	44.547	42.597

D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• RDT&E AF, PE 0604256F, Threa...: <i>Test and Evaluation Support</i>	24.805	22.420	22.812	0.000	22.812	20.081	19.076	20.450	20.523	Continuing	Continuing
• RDT&E AF, PE 0604759F, Major...: <i>Test and Evaluation Support</i>	59.469	62.206	42.236	0.000	42.236	43.044	42.899	46.198	47.688	Continuing	Continuing
• RDT&E AF, PE 0605807F, Test ...: <i>Test and Evaluation Support</i>	752.328	704.475	722.071	0.000	722.071	701.000	702.979	716.873	725.979	Continuing	Continuing
• RDT&E AF, PE 0605978F, Facil...: <i>Test and Evaluation Support</i>	27.438	27.953	27.301	0.000	27.301	23.849	28.871	24.282	24.599	Continuing	Continuing

E. Acquisition Strategy
N/A

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APPROPRIATION/BUDGET ACTIVITY

3600: *Research, Development, Test & Evaluation, Air Force*
BA 6: *RDT&E Management Support*

R-1 ITEM NOMENCLATURE

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

F. Performance Metrics

Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.