

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2023 Air Force **Date:** April 2022

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 0605976F / <i>Facilities Restoration and Modernization - Test and Evaluation Support</i>
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COST (\$ in Millions)	Prior Years	FY 2021	FY 2022	FY 2023 Base	FY 2023 OCO	FY 2023 Total	FY 2024	FY 2025	FY 2026	FY 2027	Cost To Complete	Total Cost
Total Program Element	-	60.856	70.788	77.820	0.000	77.820	93.723	94.656	216.958	202.442	Continuing	Continuing
6606MC: <i>Facility Restoration and Modernization - T&amp;E</i>	-	60.856	70.788	77.820	0.000	77.820	93.723	94.656	216.958	202.442	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**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 organizations and their associated test and evaluation facilities, including: remote locations, the 96th Test Wing (TW) at Eglin AFB, FL, Arnold Engineering and Development Complex (AEDC) at Arnold AFB, TN, including AEDC's 704th Test Group (TG) at Holloman AFB, NM, 704 TG Landing Gear Test Facility (LGTf) at Wright-Patterson AFB, OH, AEDC's Hypersonic Wind Tunnel 9 at White Oak, MD, AEDC's National Full-Scale Aerodynamics Complex (NFAC) at Moffett Field, CA, AEDC's McKinley Climatic Lab (MCL) at Eglin AFB, FL, and the 412th TW at Edwards AFB, CA.

This program 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>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023 Base</b>	<b>FY 2023 OCO</b>	<b>FY 2023 Total</b>
Previous President's Budget	70.856	70.788	0.000	0.000	0.000
Current President's Budget	60.856	70.788	77.820	0.000	77.820
Total Adjustments	-10.000	0.000	77.820	0.000	77.820
• Congressional General Reductions	0.000	0.000			
• Congressional Directed Reductions	0.000	0.000			
• Congressional Rescissions	0.000	0.000			
• Congressional Adds	0.000	0.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	-10.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	77.820	0.000	77.820

**Change Summary Explanation**

FY 2021: Funding decrease of \$10 million to support other Air Force Test priorities.

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>
<p><b>Title:</b> Facility restoration and modernization at the 96 TW</p> <p><b>Description:</b> Facility restoration and modernization at the 96th TW.</p> <p><b>FY 2022 Plans:</b> Continue Restoration and Modernization (R&amp;M) efforts across the range complex including Heating, Ventilation and Air Conditioning (HVAC) systems, repair/replace lightning protection systems, repair/replace fire protection systems and corrosion control.</p> <p><b>FY 2023 Plans:</b> Continue Restoration and Modernization (R&amp;M) efforts across the range complex including Heating, Ventilation and Air Conditioning (HVAC) systems, repair/replace lightning protection systems, repair/replace fire protection systems and corrosion control.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> N/A.</p>		6.673	7.686	8.164
<p><b>Title:</b> Facility restoration and modernization at AEDC</p> <p><b>Description:</b> Facility restoration and modernization at AEDC.</p> <p><b>FY 2022 Plans:</b> With the completion of the FY17 SLEP projects, AEDC resumes a baseline posture of addressing facility restoration and modernization across the wing such as repair and replacement of aging electrical and plumbing systems critical to test execution and installation and improvement of safety features such as fire suppression and warning systems.</p> <p><b>FY 2023 Plans:</b> With the completion of the FY17 SLEP projects, AEDC resumes a baseline posture of addressing facility restoration and modernization across the wing such as repair and replacement of aging electrical and plumbing systems critical to test execution and installation and improvement of safety features such as fire suppression and warning systems.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> FY23 increase of \$3.4 million is a result of an FY22 hypersonic test investment through the FYDP as well as an inflation adjustment of \$2.6 million.</p>		48.607	54.578	60.602
<p><b>Title:</b> Facility restoration and modernization at 412 TW</p> <p><b>Description:</b> Facility restoration and modernization at the 412 TW.</p>		5.576	8.524	9.054

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2021	FY 2022	FY 2023
<p><b>FY 2022 Plans:</b> Continuation of the upgrade and restoration of T&amp;E facilities. Areas of effort include repair and modernization of electrical system components, address fire safety deficiencies, continue Seismic upgrades, and address other restoration and modernization needs throughout the test wing.</p> <p><b>FY 2023 Plans:</b> Continuation of the upgrade and restoration of T&amp;E facilities. Areas of effort include repair and modernization of electrical system components, address fire safety deficiencies, continue Seismic upgrades, and address other restoration and modernization needs throughout the test wing.</p> <p><b>FY 2022 to FY 2023 Increase/Decrease Statement:</b> N/A.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>	60.856	70.788	77.820

<b>D. Other Program Funding Summary (\$ in Millions)</b>											
<u>Line Item</u>	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023</u> <u>Base</u>	<u>FY 2023</u> <u>OCO</u>	<u>FY 2023</u> <u>Total</u>	<u>FY 2024</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 06 0605807F: <i>Test and Evaluation Support</i>	770.149	811.032	826.854	-	826.854	863.012	834.939	945.630	1,003.260	Continuing	Continuing
• RDTE 06 0605978F: <i>Facilities Sustainment - Test and Evaluation Support</i>	29.826	30.057	31.561	-	31.561	35.065	41.224	54.190	53.417	Continuing	Continuing
• RDTE 06 0604256F: <i>Threat Simulator Development</i>	56.987	41.909	21.067	-	21.067	16.771	20.272	42.567	48.711	Continuing	Continuing
• RDTE 06 0604759F: <i>Major T&amp;E Investment</i>	207.103	130.766	44.714	-	44.714	76.815	73.662	206.538	476.653	Continuing	Continuing

**Remarks**

**E. Acquisition Strategy**  
N/A.