

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2024 Air Force **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force I BA 3: Advanced Technology Development (ATD)</i>	<b>R-1 Program Element (Number/Name)</b> PE 0603444F / <i>Maui Space Surveillance System (MSSS)</i>
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COST (\$ in Millions)	Prior Years	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total	FY 2025	FY 2026	FY 2027	FY 2028	Cost To Complete	Total Cost
Total Program Element	-	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.000	Continuing	Continuing
634868: <i>Maui Space Surveillance System</i>	-	0.000	0.000	0.002	0.000	0.002	0.000	0.000	0.000	0.000	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**Note**  
not applicable

**A. Mission Description and Budget Item Justification**

This program funded ground-based optical space situational awareness (SSA) technology development and demonstration at the Maui Space Surveillance System (MSSS) in Hawaii, as well as the operation and upgrade of the facility. Efforts in this program were coordinated through the Department of Defense Science and Technology Executive Committee process to harmonize efforts and eliminate duplication.

This program element may include necessary expenses to support the operation and maintenance of facilities to manage, execute, and deliver science and technology capabilities.

This program is in Budget Activity 3, Advanced Technology Development because this budget activity includes development of subsystems and components and efforts to integrate subsystems and components into system prototypes for field experiments and/or tests in a simulated environment.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>
Previous President's Budget	0.000	0.000	0.002	0.000	0.002
Current President's Budget	0.000	0.000	0.002	0.000	0.002
Total Adjustments	0.000	0.000	0.000	0.000	0.000
• 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	0.000	0.000			
• SBIR/STTR Transfer	0.000	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

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<b><u>Change Summary Explanation</u></b> Not applicable				
<b><u>C. Accomplishments/Planned Programs (\$ in Millions)</u></b>		<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>
<b><i>Title:</i></b> Operate and Upgrade Maui Space Surveillance System		0.000	0.000	0.002
<b><i>Description:</i></b> Operate and upgrade the Maui Space Surveillance System to support development, demonstration, and integration of ground-based optical space situational awareness technologies.				
<b><i>FY 2023 Plans:</i></b> Not applicable				
<b><i>FY 2024 Plans:</i></b> Not applicable				
<b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> Not applicable				
<b>Accomplishments/Planned Programs Subtotals</b>		0.000	0.000	0.002
<b><u>D. Other Program Funding Summary (\$ in Millions)</u></b> N/A				
<b><u>Remarks</u></b> Not Applicable				
<b><u>E. Acquisition Strategy</u></b> Not applicable				