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

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 3: Advanced Technology Development (ATD)</i>	R-1 Program Element (Number/Name) PE 0603444F / <i>Maui Space Surveillance System (MSSS)</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	-	11.486	0.000	0.000	0.000	0.000	0.002	0.000	0.000	0.000	Continuing	Continuing
634868: <i>Maui Space Surveillance System</i>	-	11.486	0.000	0.000	0.000	0.000	0.002	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 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. Program Change Summary (\$ in Millions)	<u>FY 2021</u>	<u>FY 2022</u>	<u>FY 2023 Base</u>	<u>FY 2023 OCO</u>	<u>FY 2023 Total</u>
Previous President's Budget	12.068	0.000	0.000	0.000	0.000
Current President's Budget	11.486	0.000	0.000	0.000	0.000
Total Adjustments	-0.582	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	-0.484	0.000			
• Other Adjustments	-0.098	0.000	0.000	0.000	0.000

Change Summary Explanation

Not applicable

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2021	FY 2022	FY 2023
<p>Title: Operate and Upgrade Maui Space Surveillance System</p> <p>Description: Operate and upgrade the Maui Space Surveillance System to support development, demonstration, and integration of ground-based optical space situational awareness technologies.</p> <p>FY 2022 Plans: In FY 2022, work formerly performed under this effort was transferred to Appropriation 3620, Research, Development, Test & Evaluation, Space Force, PE 1206616SF, USSF S&T 6.3, Project 634868, Maui Space Surveillance System, from Appropriation 3620, Budget Activity (BA) 03 due to the creation of a new Appropriation for Space Force.</p> <p>FY 2023 Plans: Not applicable</p> <p>FY 2022 to FY 2023 Increase/Decrease Statement: Not applicable</p>		11.486	0.000	0.000
Accomplishments/Planned Programs Subtotals		11.486	0.000	0.000
D. Other Program Funding Summary (\$ in Millions)				
N/A				
Remarks				
Not Applicable				
E. Acquisition Strategy				
Not applicable				