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

Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force I BA 6:</i> <i>RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1206862SF / <i>Tactically Responsive Space</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	-	48.334	50.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	98.334
664235: <i>Tactically Responsive Launch</i>	-	48.334	50.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	98.334
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

In FY 2024, PE 1206862SF, Tactically Responsive Launch (TacRL), Project 664235, Tactically Responsive Launch changed to Tactically Responsive Space (TacRS), Project 643835, Tactically Responsive Space and moved to Budget Activity 04 to encompass the full range of responsive space.

Tactically Responsive Space will fund proof-of concept tactically responsive space demonstrations including launch, satellites, control systems, and concept of operations using emerging and extant commercial launch and satellite providers with the goal to place or replace military capability on orbit within 24 hours.

Space acquisition must respond with speed and agility to emerging adversary threats. Space Systems Command (SSC) is transforming the organization and implementation of space acquisition to an enterprise approach, to increase innovation and resiliency, leveraging international, commercial, and mission partnerships, and managing program/project priorities according to an integrated unclassified/classified enterprise space architecture. Expanding the appropriate acquisition authorities and contract mechanisms to deliver capability sooner, SSC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose existing capabilities.

This program element may include necessary civilian pay expenses required to manage, execute, and deliver Tactically Responsive Space weapon system capability. The use of such program funds would be in addition to the civilian pay expenses budgeted in program elements 1206392SF and 1206398SF.

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.

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B. Program Change Summary (\$ in Millions)	FY 2022	FY 2023	FY 2024 Base	FY 2024 OCO	FY 2024 Total
Previous President's Budget	50.000	0.000	0.000	0.000	0.000
Current President's Budget	48.334	50.000	0.000	0.000	0.000
Total Adjustments	-1.666	50.000	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	50.000			
• Congressional Directed Transfers	0.000	0.000			
• Reprogrammings	0.000	0.000			
• SBIR/STTR Transfer	-1.666	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Congressional Add Details (\$ in Millions, and Includes General Reductions)

Project: 664235: *Tactically Responsive Launch*

Congressional Add: *Tactically Responsive Space*

Congressional Add: *Tactically Responsive Space Additional Demo*

Congressional Add Subtotals for Project: 664235

Congressional Add Totals for all Projects

	FY 2022	FY 2023
	48.334	-
	-	50.000
Congressional Add Subtotals for Project: 664235	48.334	50.000
Congressional Add Totals for all Projects	48.334	50.000

Change Summary Explanation

FY 2023: +\$50M congressional add for program increase.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023
Congressional Add: Tactically Responsive Space	48.334	-
FY 2022 Accomplishments: Demonstrated proof-of-concept tactically responsive space capabilities, including satellites, launch vehicles, control systems, and concept of operations using emerging and extant launch providers. Activities included concept design, studies of commercial capabilities and operations, technical analysis, launch service acquisition, prototyping, rideshare service acquisition, processing, launch services support, mission assurance, operations; and tactics, techniques, and procedures, program office support, etc. for demonstration of responsive space and launch.		
Congressional Add: Tactically Responsive Space Additional Demo	-	50.000

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2022	FY 2023
<i>FY 2023 Plans:</i> Demonstrates proof-of-concept tactically responsive space capabilities, including satellites, launch vehicles, control systems, and concept of operations using emerging and extant launch providers. Activities included concept design, studies of commercial capabilities and operations, technical analysis, launch service acquisition, prototyping, rideshare service acquisition, processing, launch services support, mission assurance, operations; and tactics, techniques, and procedures, program office support, etc. for demonstration of responsive space and launch.		
Congressional Adds Subtotals	48.334	50.000

D. Other Program Funding Summary (\$ in Millions)

N/A

Remarks

E. Acquisition Strategy

The Space Force is utilizing new and existing open competitive launch service, space vehicle, and ground contracts, Small Business Innovative Research contracts, Other Transaction Authority (OTA) Agreements, and other contract vehicles to take advantage of evolving commercial capabilities for tactically responsive space.