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

<b>Appropriation/Budget Activity</b> 3620F: <i>Research, Development, Test &amp; Evaluation, Space Force I BA 4: Advanced Component Development &amp; Prototypes (ACD&amp;P)</i>	<b>R-1 Program Element (Number/Name)</b> 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	-	0.000	0.000	30.000	0.000	30.000	30.000	0.000	0.000	0.000	0.000	60.000
643835: <i>Tactically Responsive Space (TacRS)</i>	-	0.000	0.000	30.000	0.000	30.000	30.000	0.000	0.000	0.000	0.000	60.000
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 is being renamed and 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. Funding prior to FY24 will remain in Project 664235.

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 pacing and 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 effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P), because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

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<b>B. Program Change Summary (\$ in Millions)</b>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024 Base</u>	<u>FY 2024 OCO</u>	<u>FY 2024 Total</u>
Previous President's Budget	0.000	0.000	0.000	0.000	0.000
Current President's Budget	0.000	0.000	30.000	0.000	30.000
Total Adjustments	0.000	0.000	30.000	0.000	30.000
• 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	30.000	0.000	30.000

**Change Summary Explanation**

FY 2024: +\$30M to continue the TacRS program

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u>
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<b>Title:</b> TacRS Demonstrations	-	0.000	30.000
<b>Description:</b> TacRS is not a new start as it was previously funded in Appropriation, 3620, RDT&E, Space Force, PE 1206862S, Tactically Responsive Launch, Project 664235, Tactically Responsive Launch.			
The purpose of this effort is to perform proof of concept demonstrations.			
<b>FY 2023 Plans:</b> N/A.			
<b>FY 2024 Plans:</b> TacRS effort will continue maturing, demonstrating, and stressing end-to-end tactically responsive space solutions based on lessons learned and identified pain points from the VICTUS NOX demonstration. Funding in FY24 accelerates the United State's Space Force's (USSF) ability to deliver operational capabilities in additional mission areas, increase launch site diversity and resilience, continue to decrease response times, and serve as a pathfinder for logistics and sustainment solutions. Activities include concept design and development/acquisition of satellites, control systems, commercial capabilities and operations, technical analysis, international partnerships, launch service acquisition, prototyping, rapid rideshare services, processing, launch			

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	FY 2022	FY 2023	FY 2024
services support, logistics, mission assurance, operations, and tactics, techniques, and procedures, program office support, etc. for demonstration of responsive space and launch missions.			
<b><i>FY 2023 to FY 2024 Increase/Decrease Statement:</i></b> FY2024 funding increased due to transfer of TacRS efforts from PE 1206862SF, Tactically Responsive Launch.			
<b>Accomplishments/Planned Programs Subtotals</b>	-	0.000	30.000

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

<u>Line Item</u>	<u>FY 2022</u>	<u>FY 2023</u>	<u>FY 2024</u> <u>Base</u>	<u>FY 2024</u> <u>OCO</u>	<u>FY 2024</u> <u>Total</u>	<u>FY 2025</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• RDTE 06 1206862F: <i>Tactically Responsive Launch</i>	50.000	50.000	-	-	-	-	-	-	-	-	Continuing Continuing

**Remarks**  
Previous years' funding, FY 2020-FY2023, located in BPAC 664235, PE 1206862SF, Tactically Responsive Launch.

**E. Acquisition Strategy**  
Utilizing new and existing open competitive launch service, space vehicle, and ground operations contracts, Small Business Innovative Research contracts, Other Transaction Authority (OTA) Agreements, and other contract vehicles to take advantage of evolving commercial capabilities.

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2024 Air Force** **Date:** March 2023

<b>Appropriation/Budget Activity</b> 3620F / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206862SF / <i>Tactically Response Space</i>	<b>Project (Number/Name)</b> 643835 / <i>Tactically Responsive Space (TacRS)</i>
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<b>Product Development (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
TacRS Range Support	Various	Various : Various	-	-		-		1.900	May 2024	-		1.900	Continuing	Continuing	-
TacRS Mission CY25 Launch Service	TBD	TBD : TBD	-	-		-		20.945	May 2024	-		20.945	Continuing	Continuing	-
Tech Advance & Studies	Various	TBD : TBD	-	-		-		1.045	Jun 2024	-		1.045	Continuing	Continuing	-
SBIR/STTR	Allot	Not specified : TBD	-	-		-		1.050	Jan 2024	-		1.050	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		24.940		-		24.940	Continuing	Continuing	N/A

<b>Support (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Transportation of Hardware/Personnel	PO	TMO : El Segundo, CA	-	-		-		0.110	Nov 2023	-		0.110	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		0.110		-		0.110	Continuing	Continuing	N/A

<b>Management Services (\$ in Millions)</b>				FY 2022		FY 2023		FY 2024 Base		FY 2024 OCO		FY 2024 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
TacRS Launch Service Mission Assurance	C/CPIF	ASRC Federal : Albuquerque, NM	-	-		-		0.850	May 2024	-		0.850	Continuing	Continuing	-
LV Support & SV Mission Assurance (FFRDC)	RO	Aerospace : El Segundo, CA	-	-		-		1.500	Oct 2024	-		1.500	Continuing	Continuing	-
TacRS (LV & SV) Technical Services, Program and Financial Support	Various	Various : Various	-	-		-		2.500	Aug 2024	-		2.500	Continuing	Continuing	-
Other Support	Various	Various : El Segundo, CA	-	-		-		0.100	Oct 2023	-		0.100	Continuing	Continuing	-
<b>Subtotal</b>			-	-		-		4.950		-		4.950	Continuing	Continuing	N/A

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	<b>Prior Years</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024 Base</b>	<b>FY 2024 OCO</b>	<b>FY 2024 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>		
<b>Project Cost Totals</b>	-	-	-	30.000	-	30.000	Continuing	Continuing	N/A		

**Remarks**



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2024 Air Force		<b>Date:</b> March 2023
<b>Appropriation/Budget Activity</b> 3620F / 4	<b>R-1 Program Element (Number/Name)</b> PE 1206862SF / <i>Tactically Response Space</i>	<b>Project (Number/Name)</b> 643835 / <i>Tactically Responsive Space (TacRS)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<b><i>Tactically Responsive Space</i></b>				
VICTUS NOX (VN) Spacecraft and Ground	1	2024	1	2024
VN Launch Service	1	2024	1	2024
TacRS Range Support	1	2024	4	2024
TacRS Mission CY 2024 Spacecraft and Ground	1	2024	1	2026
TacRS Mission CY 2024 Launch Service	1	2024	1	2026
TacRS Mission CY 2025 Launch Service	1	2024	3	2026
TacRS Launch Service Mission Assurance	1	2024	3	2026