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Exhibit R-2, RDT&E Budget Item Justification: PB 2025 Air Force	Date: March 2024
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Appropriation/Budget Activity 3620F: <i>Research, Development, Test & Evaluation, Space Force I BA 4: Advanced Component Development & Prototypes (ACD&P)</i>	R-1 Program Element (Number/Name) PE 1206862SF / <i>Tactically Responsive Space</i>
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COST (\$ in Millions)	Prior Years	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total	FY 2026	FY 2027	FY 2028	FY 2029	Cost To Complete	Total Cost
Total Program Element	-	0.000	30.000	30.052	0.000	30.052	0.000	0.000	0.000	0.000	0.000	60.052
643835: <i>Tactically Responsive Space (TacRS)</i>	-	0.000	30.000	30.052	0.000	30.052	0.000	0.000	0.000	0.000	0.000	60.052
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

Tactically Responsive Space (TacRS) rapidly integrates and deploys space-based end-to-end capabilities in response to Combatant Commander (CCMD) urgent needs. TacRS capabilities are planned to enter operations and generate effects within 24 hours of tasking. The near-term focus of the TacRS program (FY 2024 and FY 2025) is to establish the foundational capabilities that enable Space Domain Awareness and Combat Power (SDACP) rapid response effects based on urgent CCMD operational needs. The foundational missions enable the program to build on established capabilities, processes, concept of operations, and tactics, techniques and procedures that other mission areas may leverage to enable the 24 hour response timeline beyond the driving SDACP mission need. The other mission areas include but are not limited to surveillance, reconnaissance and tracking, and special communications.

In FY 2024, Tactically Responsive Space efforts were transferred from PE 1206862SF, Tactically Responsive Launch, Project 664235, Tactically Responsive Launch (TacRL), to the renamed PE 1206862SF, Tactically Responsive Space, Project 643835, in order to encompass the full range of responsive space.

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. Program Change Summary (\$ in Millions)	FY 2023	FY 2024	FY 2025 Base	FY 2025 OCO	FY 2025 Total
Previous President's Budget	0.000	30.000	30.000	0.000	30.000
Current President's Budget	0.000	30.000	30.052	0.000	30.052
Total Adjustments	0.000	0.000	0.052	0.000	0.052
• 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	0.052	0.000	0.052

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
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Title: TacRS Initial Operations and Continuous Capability Development	0.000	30.000	30.052
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Description: The TacRS program will provide initial operational capabilities starting in FY 2025. The program will leverage rapid, agile, and end-to-end acquisition processes to quickly evolve the design of future TacRS missions. This approach will enable timely integration and readiness for launch call-up, CCMD tasking, and procurement of capabilities based on current threats and priorities.

FY 2024 Plans:

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 FY 2024 supports the United States Space Force's (USSF) ability to deliver 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 services support, logistics, mission assurance, operations, and tactics, techniques, and procedures, program office support, etc. for demonstration of responsive space and launch missions.

FY 2025 Plans:

Support the planned launches and operations of the two VICTUS HAZE missions that will be ready for call-up in the second quarter of FY 2025. Build on the VICTUS SOL satellite vehicle and ground investments made with prior year funding to initiate the associated responsive launch service for VICTUS SOL in FY 2025 that could enable launch in the first half of FY 2026. Begin acquisition planning efforts in FY 2025 for the future fourth VICTUS mission that will leverage lessons learned from

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C. Accomplishments/Planned Programs (\$ in Millions)	FY 2023	FY 2024	FY 2025
<p>previous VICTUS missions and build upon the capabilities demonstrated in VICTUS NOX (launched in 2023), VICTUS SOL, and VICTUS HAZE, where each VICTUS mission furthers the capability to launch within 24 hours of notice, match the orbital plane of a previously unknown object, and conduct rendezvous and proximity operations for inspection and characterization on an operationally relevant timeline. Continue development of an on-orbit pre-positioning demonstration to be able to support a launch in FY 2026 that would evolve response force tasking to meet Combatant Command needs within 24 hours. Support TacRS Range efforts that will provide necessary equipment and personnel to enable a responsive launch capability for all VICTUS class missions. Continue to evolve new tactically responsive space capabilities that include launch, satellites, control systems, and concept of operations using emerging and extant commercial launch and satellite providers. Rapidly respond to implement system resiliency and situational awareness necessary to operate in the contested space domain. Activities may include, but are not limited to program office support, studies, technical analysis, experimentation, prototyping, and activities that may leverage commercial and international opportunities.</p> <p><i>FY 2024 to FY 2025 Increase/Decrease Statement:</i> FY 2025 funding increased due to inflation.</p>			
Accomplishments/Planned Programs Subtotals	0.000	30.000	30.052

D. Other Program Funding Summary (\$ in Millions)										
<u>Line Item</u>	<u>FY 2023</u>	<u>FY 2024</u>	<u>FY 2025</u> <u>Base</u>	<u>FY 2025</u> <u>OCO</u>	<u>FY 2025</u> <u>Total</u>	<u>FY 2026</u>	<u>FY 2027</u>	<u>FY 2028</u>	<u>FY 2029</u>	<u>Cost To Complete</u> <u>Total Cost</u>
• RDTE 06 1206862F: <i>Tactically Responsive Launch</i>	50.000	-	-	-	-	-	-	-	-	- Continuing Continuing

Remarks

E. Acquisition Strategy
TacRS will utilize 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 2025 Air Force												Date: March 2024				
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)								
3620F / 4				PE 1206862SF / <i>Tactically Responsive Space</i>				643835 / <i>Tactically Responsive Space (TacRS)</i>								
Product Development (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
TacRS Missions	TBD	Various : Various	-	-		20.945	May 2024	25.138	Jan 2025	-		25.138	Continuing	Continuing	-	
TacRS Range Support	Various	TBD : TBD	-	-		1.900	May 2024	0.500	May 2025	-		0.500	Continuing	Continuing	-	
TacRS Tech Advance & Studies	Various	TBD : TBD	-	-		1.045	Jun 2024	0.482	Jan 2025	-		0.482	Continuing	Continuing	-	
SBIR/STTR	Allot	Not specified : TBD	-	-		1.050	Jan 2024	1.082	Oct 2024	-		1.082	Continuing	Continuing	-	
Subtotal			-	-		24.940		27.202		-		27.202	Continuing	Continuing	N/A	
Support (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
TacRS Transportation of Hardware/Personnel	PO	TMO : El Segundo, CA	-	-		0.110	Nov 2023	-		-		-	Continuing	Continuing	-	
Subtotal			-	-		0.110		-		-		-	Continuing	Continuing	N/A	
Management Services (\$ in Millions)				FY 2023		FY 2024		FY 2025 Base		FY 2025 OCO		FY 2025 Total				
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract	
TacRS Launch Service Mission Assurance	C/CPIF	ASRC Federal : Albuquerque, NM	-	-		0.850	May 2024	-		-		-	Continuing	Continuing	-	
FFRDC	RO	Various : Various	-	-		1.500	Oct 2024	1.400	Jan 2025	-		1.400	Continuing	Continuing	-	
A&AS	Various	Various : Various	-	-		2.500	Aug 2024	1.400	Jan 2025	-		1.400	Continuing	Continuing	-	
Other Support	Various	Various : El Segundo, CA	-	-		0.100	Oct 2023	0.050	Jan 2025	-		0.050	Continuing	Continuing	-	
Subtotal			-	-		4.950		2.850		-		2.850	Continuing	Continuing	N/A	
Project Cost Totals			-	-		30.000		30.052		-		30.052	Continuing	Continuing	N/A	

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Exhibit R-4, RDT&E Schedule Profile: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 4	R-1 Program Element (Number/Name) PE 1206862SF / <i>Tactically Responsive Space</i>	Project (Number/Name) 643835 / <i>Tactically Responsive Space (TacRS)</i>

FY 2023				FY 2024				FY 2025				FY 2026				FY 2027				FY 2028				FY 2029			
1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

<i>Tactically Responsive Space</i>	
TacRS Missions	████████████████████
TacRS Range Support	████████████████████
TacRS Tech Advance & Studies	████████████████████
SBIR/STTR	████████████████████

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Exhibit R-4A, RDT&E Schedule Details: PB 2025 Air Force		Date: March 2024
Appropriation/Budget Activity 3620F / 4	R-1 Program Element (Number/Name) PE 1206862SF / <i>Tactically Responsive Space</i>	Project (Number/Name) 643835 / <i>Tactically Responsive Space (TacRS)</i>

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>Tactically Responsive Space</i>				
TacRS Missions	3	2024	4	2025
TacRS Range Support	1	2025	4	2025
TacRS Tech Advance & Studies	3	2024	4	2025
SBIR/STTR	3	2024	4	2025