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Exhibit R-2, RDT&E Budget Item Justification: PB 2022 Air Force **Date:** May 2021

Appropriation/Budget Activity 3600: <i>Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support</i>	R-1 Program Element (Number/Name) PE 1206862F / <i>Tactically Responsive Launch</i>
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COST (\$ in Millions)	Prior Years	FY 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total	FY 2023	FY 2024	FY 2025	FY 2026	Cost To Complete	Total Cost
Total Program Element	-	21.965	0.000	0.000	0.000	0.000	-	-	-	-	-	-
664235: <i>Tactically Responsive Launch</i>	-	21.965	0.000	0.000	0.000	0.000	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

A. Mission Description and Budget Item Justification

In FY 2021, PE 1206862F, Tactically Responsive Launch efforts were transferred to Appropriation 3620, Research, Development, Test & Evaluation, Space Force, PE 1206862SF, Tactically Responsive Launch from Appropriation 3600, Budget Activity 06 due to the creation of a new Appropriation for Space Force.

Tactically Responsive Launch will demonstrate space launch operations that will enable the DoD space domain and strategic deterrence objectives. It will fund proof-of-concept tactically responsive space launch demonstrations using emerging and extant commercial launch 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 & Missile Systems Center (SMC) is transforming the organization and implementation of space acquisition to an enterprise approach, maximizing 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, SMC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new or repurpose capabilities.

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

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 2020	FY 2021	FY 2022 Base	FY 2022 OCO	FY 2022 Total
Previous President's Budget	19.000	0.000	0.000	0.000	0.000
Current President's Budget	21.965	0.000	0.000	0.000	0.000
Total Adjustments	2.965	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	3.660	0.000			
• SBIR/STTR Transfer	-0.695	0.000			
• Other Adjustments	0.000	0.000	0.000	0.000	0.000

Change Summary Explanation

FY 2020: +\$3.66M was added to support the initial demonstration launch in FY 2021.

C. Accomplishments/Planned Programs (\$ in Millions)	FY 2020	FY 2021	FY 2022
Title: Tactically Responsive Launch-2	19.000	0.000	-
Description: FY 2020 funds are supporting the initial TacRL-2 demonstration flight in FY 2021.			
FY 2021 Plans: N/A			
FY 2021 to FY 2022 Increase/Decrease Statement: Funding moved to 3620 in FY21			
Title: Tactically Responsive Launch	2.965	0.000	-
Description: FY 2020 BTR funds support the initial TacRL-2 demonstration flight in FY 2021.			
FY 2021 Plans: FY 2020 funds are supporting the initial TacRL-2 demonstration flight in FY 2021.			
FY 2021 to FY 2022 Increase/Decrease Statement: Funding moved to 3620 in FY21			
Accomplishments/Planned Programs Subtotals	21.965	0.000	-

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D. Other Program Funding Summary (\$ in Millions) N/A		
Remarks		
E. Acquisition Strategy Use new and existing launch service contracts, Small Business Innovative Research contracts, and Other Transaction Authority (OTA) Agreements to take advantage of evolving commercial capabilities.		