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

<b>Appropriation/Budget Activity</b> 3600: <i>Research, Development, Test &amp; Evaluation, Air Force</i> / BA 6: <i>RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> PE 1206864F / <i>Space Test Program (STP)</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	-	25.235	0.000	0.003	0.000	0.003	-	-	-	-	-	-
662617: <i>Free-Flyer Spacecraft Missions</i>	-	25.235	0.000	0.003	0.000	0.003	-	-	-	-	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-	-	-

**Note**  
 Note: The \$0.003M entry in FY 2022 is a database error. All funding after FY 2020 for the Space Test Program (STP) resides in PE 1206864SF, in the 3620 Research, Development, Test & Evaluation, Space Force appropriation.

**A. Mission Description and Budget Item Justification**

The Space Test Program (STP) conducts space test missions for the purpose of accelerating DoD space technology transformation while lowering developmental risk. The program integrates, launches, and operates an optimally selected number of DoD-sponsored experiments consistent with Space Experiments Review Board (SERB) priority, opportunity, and funding. STP missions provide a cost-effective way to flight test new militarily relevant space system technologies, concepts, and designs, providing a way to:

- Support the acquisition block development approach
- Demonstrate and develop responsive research and development (R&D) space capabilities
- Provide early operational capabilities to quickly react to new developments
- Perform operational risk reduction through direct flight test of prototype components
- Improve operational design by characterizing the space environment, event, or sensor physics proposed for an operational system/system upgrade
- Develop, integrate, test, and acquire advanced payload support hardware for launch vehicles (LV), commercial launch services, and human-rated spaceflight vehicles
- Expand and leverage international opportunities to further access for the US and its allies' R&D payloads

The Deputy Secretary of Defense Space Test Program Management & Funding Policy, issued in July 2002, reaffirmed STP as the primary provider of spaceflight for the DoD space research community. The July 2002 policy statement also reaffirmed STP's role as the single manager for all DoD payloads on the International Space Station (ISS).

Space acquisition must respond with speed and agility to emerging adversary threats. Space and 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 mechanism to deliver capability sooner, SMC will strategically execute experimentation, prototyping, risk reduction, and other efforts to develop new, or repurpose capabilities.

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This program element may include necessary civilian pay expenses required to manage, execute, and deliver STP 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.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022 Base</b>	<b>FY 2022 OCO</b>	<b>FY 2022 Total</b>
Previous President's Budget	26.097	0.000	0.000	0.000	0.000
Current President's Budget	25.235	0.000	0.003	0.000	0.003
Total Adjustments	-0.862	0.000	0.003	0.000	0.003
• 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	-0.860	0.000			
• Other Adjustments	-0.002	0.000	0.003	0.000	0.003

**Change Summary Explanation**

FY 2020: -\$0.002 UOA paid from current year.

FY 2022: \$0.003M entry is a database error. All funding after FY 2020 for the Space Test Program (STP) resides in PE 1206864SF, in the 3620 Research, Development, Test & Evaluation, Space Force appropriation.

<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
<b>Title:</b> Payload Integration	18.627	0.000	0.003
<b>Description:</b> Integrate payloads onto spaceflight missions, including free-flyer payloads, hosted payloads, sounding rockets, experiments on the International Space Station (ISS), and commercial missions. Includes acquisition of associated spacecraft and integration hardware.			
<b>FY 2021 Plans:</b> N/A			
<b>FY 2022 Plans:</b> N/A			
<b>FY 2021 to FY 2022 Increase/Decrease Statement:</b>			

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>
Insignificant increase				
<b>Title:</b> Launch Vehicle and Launch Services		4.380	0.000	0.000
<b>Description:</b> Purchase launch services, launch vehicles and launch vehicle support for free-flyer payloads, hosted payloads, sounding rockets, experiments on the ISS, and commercial spaceflight missions, and support the spaceflight worthiness and "Do No Harm" certification for Space and Missile Systems Center (SMC) and US Space Force (USSF) HQ.				
<b>FY 2021 Plans:</b> N/A				
<b>FY 2022 Plans:</b> N/A				
<b>Title:</b> On Orbit Satellite Operations		2.228	0.000	0.000
<b>Description:</b> Execute first-year operations and operations support for STP-sponsored missions.				
<b>FY 2021 Plans:</b> N/A				
<b>FY 2022 Plans:</b> N/A - Database Error				
<b>Accomplishments/Planned Programs Subtotals</b>		25.235	0.000	0.003
<b>D. Other Program Funding Summary (\$ in Millions)</b> N/A				
<b>Remarks</b> In FY2021, PE 1206864F, Space Test Program efforts were transferred to Appropriation 3620, Research, Development, Test & Evaluation, Space Force, PE 1206864SF Space Test Program from Appropriation 3600, Budget Activity 06 due to the creation of a new Appropriation for Space Force.				
<b>E. Acquisition Strategy</b> N/A				