

# UNCLASSIFIED

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force											DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 3600: Research, Development, Test & Evaluation, Air Force BA 6: RDT&E Management Support					R-1 ITEM NOMENCLATURE PE 0605864F: Space Test Program (STP)							
COST (\$ in Millions)	All Prior Years	FY 2012	FY 2013 <sup>#</sup>	FY 2014 Base	FY 2014 OCO <sup>##</sup>	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	44.308	10.051	13.000	-	13.000	26.000	26.000	26.000	26.000	Continuing	Continuing
662617: Free-Flyer Spacecraft Missions	-	44.308	10.051	13.000	-	13.000	26.000	26.000	26.000	26.000	Continuing	Continuing
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

<sup>#</sup> FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

<sup>##</sup> The FY 2014 OCO Request will be submitted at a later date

**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 flies an optimally selected number of DoD sponsored experiments consistent with priority, opportunity, and funding. STP missions are the most cost-effective way to flight test new space system technologies, concepts and designs, providing an inexpensive way to:

- Support the space 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, test, and acquire advanced payload support hardware for small and medium expendable launch vehicles (LV) and unmanned spaceflight vehicles

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

In FY12, STP provided launch services to 4 Space Experiment Review Board (SERB)approved experiments. It also provided operations support for free-flyer experiments and long-duration external experiments on the ISS.

The FY13 funds were oringially requested to support program closeout and termination. STP was re-instated in FY13 and funds are now providing services to 14 SERB-approved experiments. In FY14 funds will be used to ramp up the program and plan for a restored Space Test Program.

STP-2 integration and mission operations will be continued in FY13-FY15 via existing funding in PE 0603401F Advanced Spacecraft Technology, RDT&E AF. STP-2 is a dedicated research and development launch mission that also supports the commercial new entrant launch strategy.

STP is in Budget Activity 6, RDT&E Management Support, because it supports RDT&E satellite launches.

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B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		47.409	10.051	0.000	-	0.000
Current President's Budget		44.308	10.051	13.000	-	13.000
Total Adjustments		-3.101	0.000	13.000	-	13.000
• Congressional General Reductions		-	0.000			
• Congressional Directed Reductions		-	0.000			
• Congressional Rescissions		0.000	0.000			
• Congressional Adds		-	0.000			
• Congressional Directed Transfers		-	0.000			
• Reprogrammings		-0.264	0.000			
• SBIR/STTR Transfer		-2.837	0.000			
• Other Adjustments		0.000	0.000	13.000	-	13.000
Change Summary Explanation						
FY2012: -\$2.837M for SBIR; -\$0.264M due to higher Department priorities.						
FY2014: +\$13M to reinstitute the Space Test Program.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: PROGRAM SUPPORT				0.107	0.112	0.100
Description: Provide program support for piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, NASA Shuttle, the ISS, manned and ISS resupply, and commercial spaceflight missions						
FY 2012 Accomplishments: Provided program support for piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply, and commercial spaceflight missions, and began program termination management, mission manifest changes/updates, documentation and records storage, and other closeout activities as required to terminate program.						
FY 2013 Plans: Resume program support for piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply, and commercial spaceflight missions. With STP reinstated at lower funding levels, re-initiate the SERB process, and re-start the mission manifest process and associated program planning.						
FY 2014 Plans:						

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<b>C. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2012</b>	<b>FY 2013</b>	<b>FY 2014</b>
Provide program support for piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply, and commercial spaceflight missions. Restore mission manifest process and associated program planning.				
<b>Title:</b> PAYLOAD INTEGRATION		10.189	2.070	1.600
<b>Description:</b> Initiate, develop, and continue integration of payloads onto piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, NASA Shuttle, the ISS, manned and ISS resupply, and commercial spaceflight missions to include acquisition of associated spacecraft and integration hardware				
<b>FY 2012 Accomplishments:</b> Continued remaining payload integration efforts onto piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply and commercial spaceflight missions to include acquisition of associated spacecraft and integration hardware.				
<b>FY 2013 Plans:</b> Continue payload integration efforts onto piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply and commercial spaceflight missions to include acquisition of associated spacecraft and integration hardware.				
<b>FY 2014 Plans:</b> Continue payload integration efforts onto piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, the ISS, ISS resupply and commercial spaceflight missions to include acquisition of associated spacecraft and integration hardware.				
<b>Title:</b> LAUNCH VEHICLE AND LAUNCH SERVICES		17.180	1.737	4.870
<b>Description:</b> Initiate and continue purchase of launch services, launch vehicles and launch vehicle support for piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, ISS, ISS resupply, and commercial spaceflight missions.				
<b>FY 2012 Accomplishments:</b> Continued purchase of launch services, launch vehicles, and launch vehicle support for shared/piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, ISS, and ISS resupply, and commercial spaceflight missions for maximum flyout of existing, approved payloads.				
<b>FY 2013 Plans:</b> Resume purchase of launch services, launch vehicles, and launch vehicle support for shared/piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, ISS, and ISS resupply, and commercial spaceflight missions.				
<b>FY 2014 Plans:</b>				

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C. Accomplishments/Planned Programs (\$ in Millions)									FY 2012	FY 2013	FY 2014
Continue purchase of launch services, launch vehicles, and launch vehicle support for shared/piggyback/secondary, Small Launch Vehicle, Medium Launch Vehicle, ISS, and ISS resupply, and commercial spaceflight missions.											
Title: ON ORBIT SATELLITE OPERATIONS									8.902	1.328	0.700
Description: Initiate, develop, and continue first-year operations and operations planning for STP-sponsored missions.											
FY 2012 Accomplishments: Developed and continued first-year operations and operations planning for STP-sponsored missions.											
FY 2013 Plans: Develop and continue first-year operations and/or operations support for STP-sponsored missions.											
FY 2014 Plans: Develop and continue first-year operations and/or operations support for STP-sponsored missions.											
Title: PROGRAM MANAGEMENT ADMINISTRATION									7.930	4.804	5.730
Description: Provide the unique program costs required for the operation of the Space Test Program in its management and oversight role including program management, administrative, information technology, travel, training, and supply support.											
FY 2012 Accomplishments: Provided the unique program costs required for the operation of the Space Test Program in its management and oversight role including program management, administrative, information technology, travel, training, and supply support.											
FY 2013 Plans: Provide the unique program costs required for the operation of the Space Test Program in its management and oversight role including program management, administrative, information technology, travel, training, and supply support.											
FY 2014 Plans: Provide the unique program costs required for the operation of the Space Test Program in its management and oversight role including program management, administrative, information technology, travel, training, and supply support.											
Accomplishments/Planned Programs Subtotals									44.308	10.051	13.000
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• None: None	0.000	0.000	0.000		0.000	0.000	0.000	0.000	0.000	0.000	0.000

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<b>D. Other Program Funding Summary (\$ in Millions)</b>												
	<u>Line Item</u>	<u>FY 2012</u>	<u>FY 2013</u>	<u>FY 2014</u> <u>Base</u>	<u>FY 2014</u> <u>OCO</u>	<u>FY 2014</u> <u>Total</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
<b>Remarks</b>												
N/A												
<b>E. Acquisition Strategy</b>												
N/A												
<b>F. Performance Metrics</b>												
Please refer to the Performance Base Budget Overview Book for information on how Air Force resources are applied and how those resources are contributing to Air Force performance goals and most importantly, how they contribute to our mission.												