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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0606116F I Space Test and Training Range Development							
COST (\$ in Millions)	Prior Years	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO #	FY 2015 Total	FY 2016	FY 2017	FY 2018	FY 2019	Cost To Complete	Total Cost
Total Program Element	-	-	-	19.512	-	19.512	19.873	20.386	20.785	21.181	Continuing	Continuing
666156: SPACE TEST AND TRAINING RANGE DEVELOPMENT	-	-	-	19.512	-	19.512	19.873	20.386	20.785	21.181	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

# The FY 2015 OCO Request will be submitted at a later date.

**Note**

In FY 2015, Project 666156 Space Test and Training Range Development efforts were transferred from PE 0603438F, Space Test and Training Range Development Project 64A007 Space Range to improve alignment with budget activity.

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

This project supports the development of Space Test and Training Range (STTR) capabilities required to support developmental and operational test, training, exercises and tactics development for Space Control systems and related architecture. This includes development, demonstration and delivery of test assets, special test equipment, capabilities and systems required to test, validate, and verify performance of integrated space control systems. The objective of the STTR is to provide a safe, secure, controllable and repeatable environment for the testing and training of Space Control mission systems and operators that is both realistic and relevant. Additionally, this program supports the development of test range assets required to support developmental and operational test, exercises, training, and tactics development for Air Force and Joint-service space control systems/units. Included are both the fixed node Space Range Operation Center (SROC) at Schriever AFB and a deployable capability to support complex Joint and AF exercises. A space range Family of Systems (FoS) called Big Top is being developed to accomplish the STTR mission. The Big Top objective is integration into a Distributed Mission Architecture, tying into both the Information Operations (IO) and Air ranges for increased realism and complexity. This technology will allow for the first-ever use of a realistic signal environment to increase the realism and efficiency of space control squadron training. 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 modernize the Space Test and Training Range.

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B. Program Change Summary (\$ in Millions)		FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget		-	-	-	-	-
Current President's Budget		-	-	19.512	-	19.512
Total Adjustments		-	-	19.512	-	19.512
• Congressional General Reductions		-	-			
• Congressional Directed Reductions		-	-			
• Congressional Rescissions		-	-			
• Congressional Adds		-	-			
• Congressional Directed Transfers		-	-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-	-			
• Other Adjustments		-	-	19.512	-	19.512
Change Summary Explanation						
Funding and content for FY15 was transferred from PE 0603438F, Space Control Technology.						
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2013	FY 2014	FY 2015
Title: Range Control				-	-	19.012
Description: Development and acquisition of mobile, transportable, and fixed range monitoring and communications capabilities for the space range.						
FY 2015 Plans:						
Complete SROC technical refresh activities for Spiral 0. Continue development and complete initial deliveries of advanced live, virtual and constructive environment and closed loop training capabilities and advanced software simulation tools.						
Title: Bandwidth Support				-	-	0.500
Description: Provides for leased SATCOM bandwidth for STTR operations.						
FY 2015 Plans:						
Provide reqired space range satellite communications bandwidth for exercise, testing and training of both offensive and defensive space control systems on the space range.						
Accomplishments/Planned Programs Subtotals				-	-	19.512
D. Other Program Funding Summary (\$ in Millions)						
N/A						

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<b>Appropriation/Budget Activity</b> <i>3600: Research, Development, Test &amp; Evaluation, Air Force I BA 6: RDT&amp;E Management Support</i>	<b>R-1 Program Element (Number/Name)</b> <i>PE 0606116F I Space Test and Training Range Development</i>	
<b>D. Other Program Funding Summary (\$ in Millions)</b>		
<b>Remarks</b>		
<b>E. Acquisition Strategy</b> All contracts funded in this program element will be awarded using competitive procedures to the maximum extent possible.		
<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.		