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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Air Force	DATE: February 2012
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APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE							
3600: Research, Development, Test & Evaluation, Air Force BA 7: Operational Systems Development				PE 0305174F: SPACE WARFARE CENTER							
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	2.905	2.952	2.430	-	2.430	2.469	2.526	2.595	2.629	Continuing	Continuing
67A011: Space Analysis and Application Development	2.905	2.952	2.430	-	2.430	2.469	2.526	2.595	2.629	Continuing	Continuing
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0		

A. Mission Description and Budget Item Justification

Located at Schriever Air Force Base, Colorado, the Space Innovation and Development Center (SIDC) develops, evaluates, tests, and integrates space application and utility concepts, as well as new technologies, while providing combat effects to warfighters, such as aid in mission planning of Global Positioning System (GPS) aided/guided munitions. Its innovation, education, and training activities foster solutions to operational deficiencies and enhance the integration of space systems into Air Force operations, thereby enabling service and joint warfighters to realize the full potential of existing and planned space capabilities. The Space Analysis and Application Development project develops and modifies modeling and simulation tools that Air Force Space Command's Space Analysis Center uses for operations research, military utility analyses, tradeoff studies, and other evaluations of space mission areas to guide planning, programming, requirements generation, analyses of alternatives, and other activities. Development activities incorporate changes in fielded and projected space operational capabilities, as well as technical improvements, into the group's software tools to ensure their data and technology remain current.

This program is in Budget Activity 7, Operational System Development because this budget activity includes development efforts to upgrade systems that have been fielded or have received approval for full rate production and anticipate production funding in the current or subsequent fiscal year.

B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	2.929	2.961	2.425	-	2.425
Current President's Budget	2.905	2.952	2.430	-	2.430
Total Adjustments	-0.024	-0.009	0.005	-	0.005
• Congressional General Reductions	-	-0.009			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-0.024	-	0.005	-	0.005

Change Summary Explanation

FY11: -\$0.024M for Congressional General Reductions.

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2011	FY 2012	FY 2013
Title: Model Development/Modification Description: Develops, verifies, and validates new models for space mission areas and modifies existing models to portray new capabilities. Models used by the Air Force Space Command's (AFSPC) Space Analysis Center for military utility analyses, trade studies, and other evaluations of space programs supporting program offices at the Space and Missile Center, HQ AFSPC and other activities with a space focus. FY 2011 Accomplishments: Model modification. FY 2012 Plans: Model modification. FY 2013 Plans: Model modification.		1.338	1.367	1.116
Title: Model Verification Description: Verification of model changes. FY 2011 Accomplishments: Verification of model changes. FY 2012 Plans: Verification of model changes. FY 2013 Plans: Verification of model changes		0.599	0.615	0.500
Title: Model Validation Description: Validation of model change results. FY 2011 Accomplishments: Validation of model change results. FY 2012 Plans: Validation of model change results. FY 2013 Plans:		0.968	0.970	0.814

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C. Accomplishments/Planned Programs (\$ in Millions)							FY 2011	FY 2012	FY 2013		
Validation of model change results.											
Accomplishments/Planned Programs Subtotals							2.905	2.952	2.430		
D. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• P-26: <i>OPAF, General Information Technology (PE 0305174F)</i>	1.375	1.384	1.429	0.000	1.429	1.450	1.314	1.522	1.542	Continuing	Continuing
E. Acquisition Strategy											
Any new projects funded in this program will be awarded using competitive procedures to the maximum extent possible.											
F. Performance Metrics											
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.											

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Air Force		DATE: February 2012
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UNCLASSIFIED

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Air Force		DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0305174F: <i>SPACE WARFARE CENTER</i>	PROJECT 67A011: <i>Space Analysis and Application Development</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Model development/modification, verification, and validation	1	2011	4	2017