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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Air Force										Date: February 2015		
Appropriation/Budget Activity 3600: Research, Development, Test & Evaluation, Air Force I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0901226F I Air Force Studies and Analysis Agency							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	-	0.760	1.394	1.103	-	1.103	1.624	1.574	1.441	1.466	Continuing	Continuing
676009: M & S DEVELOPMENT	-	0.760	1.394	1.103	-	1.103	1.624	1.574	1.441	1.466	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Provides for development and enhancement of modeling and simulation (M&S) tools for strategic planning, operational requirements, modernization and recapitalization of systems and programs, as well as the Planning, Programming, Budgeting and Execution (PPBE) processes for the AF Analytic Community and Secretary of the Air Force Standard Analysis Toolkit in support of AF Senior Leadership. As new technologies are introduced to the battlefield (Digital Electronic Jammers, maneuvering Surface-to-Surface Missiles, Directed Energy Weapons, etc.) along with evolving warfighting techniques and support operations, the range of capabilities that needs to be covered by analytic tools needs to expand as well. M&S creation and enhancement can require extensive research in how to properly implement the emerging weapons capabilities as well as demand development of software techniques to implement the changes. Additionally, emerging and continuing focus areas such as Space, Irregular Warfare, Information Operations, Cyber warfare and ISR demand specific tools of their own for new exploration and development. These focus areas require examination in isolation as well as cross-domain making the problem more complex and increasing the R&D challenges to field new decision support tools.

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

The FY2016 funding request was reduced by \$0.399M to account for the availability of prior execution balances.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	0.786	1.394	1.509	-	1.509
Current President's Budget	0.760	1.394	1.103	-	1.103
Total Adjustments	-0.026	-	-0.406	-	-0.406
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.026	-			
• Other Adjustments	-	-	-0.406	-	-0.406

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Change Summary Explanation Due to evolving priorities to better understand the contributions of Intelligence, Surveillance and Reconnaissance (ISR) and populated existing tools with appropriate information regarding these assess, the ISR Mission Level Integration Tool is been accelerated from a 2016 program to a 2015. This will delay the Air Combat Analysis Environment and CFAM Follow-on investments from 2015 to 2016.								
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Title: Modeling and Simulation Development Description: Develop and Update Modeling & Simulation (M&S) tools. FY 2014 Accomplishments: - Successfully developed M&S tools. - Conducted research into new and emerging analytic techniques. FY 2015 Plans: Continue research and development M&S tools. FY 2016 Base Plans: Will continue research and development of M&S Tools. FY 2016 OCO Plans: N/A				0.760	1.394	1.103	-	1.103
Accomplishments/Planned Programs Subtotals				0.760	1.394	1.103	-	1.103
D. Other Program Funding Summary (\$ in Millions) N/A Remarks N/A.								
E. Acquisition Strategy Previous and planned future efforts have been/will be awarded under existing Task Order contracts. AF/A9 does not anticipate awarding a new contract for R&D work in the next 2 years.								
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-3, RDT&E Project Cost Analysis: PB 2016 Air Force													Date: February 2015		
Appropriation/Budget Activity 3600 / 7							R-1 Program Element (Number/Name) PE 0901226F / Air Force Studies and Analysis Agency				Project (Number/Name) 676009 / M & S DEVELOPMENT				
Product Development (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Software Development	Various	Not specified. : ,	-	0.760	Jan 2014	1.394	Jan 2015	1.103	Jan 2016	-		1.103	Continuing	Continuing	-
Subtotal			-	0.760		1.394		1.103		-		1.103	-	-	-
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Test and Evaluation (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
Management Services (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Subtotal			-	-		-		-		-		-	-	-	-
			Prior Years	FY 2014	FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract	
Project Cost Totals			-	0.760	1.394	1.103	-	1.103	-	-	-	-	-	-	
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Air Force		Date: February 2015																																																											
Appropriation/Budget Activity 3600 / 7		R-1 Program Element (Number/Name) PE 0901226F / <i>Air Force Studies and Analysis Agency</i>		Project (Number/Name) 676009 / <i>M & S DEVELOPMENT</i>																																																									
		<table border="1"><tr><th colspan="4">FY 2014</th><th colspan="4">FY 2015</th><th colspan="4">FY 2016</th><th colspan="4">FY 2017</th><th colspan="4">FY 2018</th><th colspan="4">FY 2019</th><th colspan="4">FY 2020</th></tr><tr><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th><th>1</th><th>2</th><th>3</th><th>4</th></tr></table>		FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4		
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Modeling & Simulation Development																																																													

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Air Force		Date: February 2015
Appropriation/Budget Activity 3600 / 7	R-1 Program Element (Number/Name) PE 0901226F / Air Force Studies and Analysis Agency	Project (Number/Name) 676009 / M & S DEVELOPMENT

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Modeling & Simulation Development	1	2014	4	2018