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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)					PE 0604337F I Requirements Analysis and Maturation							
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	-	14.760	11.884	-	-	-	-	-	-	-	Continuing	Continuing
645349: Development Planning	-	10.377	11.884	-	-	-	-	-	-	-	Continuing	Continuing
64A024: Space Systems Requirements Analysis & Maturation	-	4.383	-	-	-	-	-	-	-	-	Continuing	Continuing

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

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

The Requirements Analysis and Maturation (RAM) program funds early systems engineering and pre-acquisition planning and analysis activities. These activities include requirements analysis, capability decomposition and trade space characterization, concept development (system of systems, air, space, and cyber), cost analysis, modeling and simulation of representative or prototype systems, and costs associated with these activities to include analytical tools and travel. Outcomes of these activities are fiscally and technologically informed requirements, mature concepts that are technically feasible, and areas for science and technology (S&T) investment to reduce technology risks. These activities provide the analytic basis for cost and capability trades to inform weapon systems requirements and acquisition milestones, decision points, and phases; for example, the Materiel Development Decision (MDD). A number of Department of Defense (DoD), Government Accountability Office(GAO), and independent industry studies point to a need for more disciplined, early phase systems engineering and pre-systems acquisition planning to produce decision-quality acquisition information that previously did not surface until after the initiation of a program. Early-phase systems engineering and technical planning activities funded by this program provide the foundation for informed investment decisions leading to successful acquisition programs. Specific efforts are determined each year based upon the highest Air Force priorities. This effort is in Budget Activity 4, Advanced Component Development and Prototypes (ACD&P) because efforts are necessary to evaluate integrated technologies, representative modes or prototype systems in a high fidelity and realistic operating environment.

For FY 2014 and out Space and Non-Space RAM program activities were combined into a single Development Planning project, 45349

In FY 2015 and out, 645349, Development Planning, efforts were transferred to PE 0606017F, Requirements Analysis and Maturation, 666157, Development Planning, due to an internal DoD budget activity realignment.

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3600: Research, Development, Test & Evaluation, Air Force I BA 4: Advanced Component Development & Prototypes (ACD&P)		PE 0604337F I Requirements Analysis and Maturation			
B. Program Change Summary (\$ in Millions)	FY 2013	FY 2014	FY 2015 Base	FY 2015 OCO	FY 2015 Total
Previous President's Budget	16.343	16.018	15.844	-	15.844
Current President's Budget	14.760	11.884	-	-	-
Total Adjustments	-1.583	-4.134	-15.844	-	-15.844
• Congressional General Reductions	-0.021	-0.109			
• Congressional Directed Reductions	-	-4.025			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.478	-			
• Other Adjustments	-1.084	-	-15.844	-	-15.844
Change Summary Explanation					
Decrease in FY13 Other Adjustments was due to Sequestration.					
Decrease in FY14 Congressional Directed Reduction due to program decrease.					
Decrease in FY15 due to program efforts transferring to PE 0606017F, Requirements Analysis and Maturation, due to an internal DoD budget activity realignment.					

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604337F / Requirements Analysis and Maturation				Project (Number/Name) 645349 / Development Planning			
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
645349: Development Planning	-	10.377	11.884	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
In FY 2015, Project 645349 Developmental Planning efforts were transferred to PE 0606017F Project 666157 Development Planning to improve alignment with the budget activity.												
A. Mission Description and Budget Item Justification												
The Development Planning project is responsible for analyzing documented capability needs and requirements to identify potential materiel shortfalls and opportunities; devising candidate materiel solution options to address Air Force capability needs and shortfalls; and conducting coordinated pre-systems acquisition planning activities that address requirements, schedule, cost, technology, and acquisition strategy.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2013	FY 2014	FY 2015	
Title: Long-range Capability Analyses  Description: Conduct long-range capability analyses by analyzing documented warfighter capability needs and requirements to identify potential materiel shortfalls and opportunities.  FY 2013 Accomplishments: Developed capability roadmaps, advanced concept studies and analyses, and derived technology needs required to realize future materiel solutions to warfighter capability needs.  FY 2014 Plans: Develop capability roadmaps, advanced concept studies and analyses, and derive technology needs required to realize future materiel solutions to warfighter capability needs.  FY 2015 Plans: N/A									1.660	1.900	-	
									6.952	7.964	-	
									Title: Concept Development  Description: Conduct concept development activities, including early-phase systems engineering, by devising candidate materiel solution options to address Air Force air, space, and cyber capability needs and shortfalls.  FY 2013 Accomplishments:			

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<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604337F / <i>Requirements Analysis and Maturation</i>	<b>Project (Number/Name)</b> 645349 / <i>Development Planning</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2013</b>	<b>FY 2014</b>
<p>Executed concept development activities, to include requirements support and analysis, early-phase systems engineering, early concept characterization and technical descriptions, market research, budget estimates, and technology assessments.</p> <p><b>FY 2014 Plans:</b> Execute concept development activities, to include requirements support and analysis, early-phase systems engineering, early concept characterization and technical descriptions, market research, budget estimates, and technology assessments.</p> <p><b>FY 2015 Plans:</b> N/A</p>			
<p><b>Title:</b> Pre-systems Acquisition Planning</p> <p><b>Description:</b> Conduct coordinated pre-systems acquisition planning activities that address requirements, schedule, cost, technology, and acquisition strategy.</p> <p><b>FY 2013 Accomplishments:</b> Performed pre-systems acquisition planning activities, to include concept refinement, cost estimates, acquisition courses of action, and acquisition milestone documentation.</p> <p><b>FY 2014 Plans:</b> Perform pre-systems acquisition planning activities, to include concept refinement, cost estimates, acquisition courses of action, and acquisition milestone documentation.</p> <p><b>FY 2015 Plans:</b> N/A</p>		1.765	2.020
<b>Accomplishments/Planned Programs Subtotals</b>		10.377	11.884
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
For FY 2015 and out the RAM program is funded in PE 0606017F.			
<b>D. Acquisition Strategy</b>			
All contracts funded in this program element will be awarded using competitive procedures.			

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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force		Date: March 2014
<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604337F / <i>Requirements Analysis and Maturation</i>	<b>Project (Number/Name)</b> 645349 / <i>Development Planning</i>

## E. 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 2015 Air Force

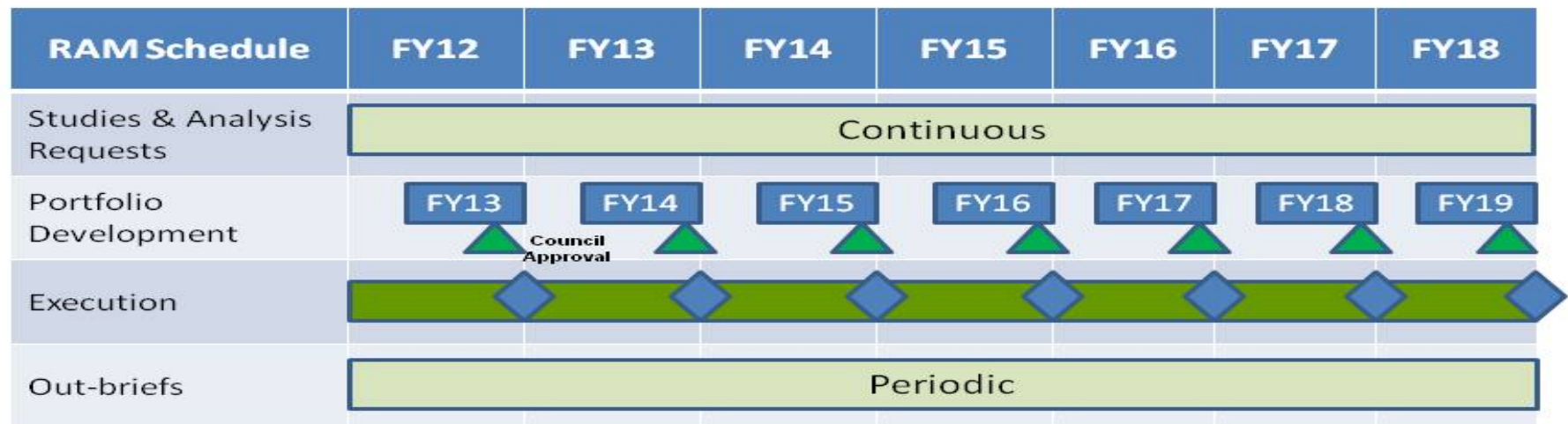
**Date:** March 2014

**Appropriation/Budget Activity**  
3600 / 4

**R-1 Program Element (Number/Name)**  
PE 0604337F / *Requirements Analysis and Maturation*

**Project (Number/Name)**  
645349 / *Development Planning*

## Requirements Analysis and Maturation (RAM) Master Schedule



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Exhibit R-2A, RDT&E Project Justification: PB 2015 Air Force										Date: March 2014		
Appropriation/Budget Activity 3600 / 4					R-1 Program Element (Number/Name) PE 0604337F / Requirements Analysis and Maturation				Project (Number/Name) 64A024 / Space Systems Requirements Analysis & Maturation			
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
64A024: Space Systems Requirements Analysis & Maturation	-	4.383	-	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
A. Mission Description and Budget Item Justification												
The Space Systems project is responsible for analyzing documented capability needs and requirements to identify potential materiel shortfalls and opportunities; devising candidate materiel solution options to address Air Force space capability needs and shortfalls; and conducting coordinated pre-systems acquisition planning activities that address requirements, schedule, cost, technology, and acquisition strategy for space efforts.												
B. Accomplishments/Planned Programs (\$ in Millions)										FY 2013	FY 2014	FY 2015
Title: Long-range Capability Analyses										0.653	-	-
Description: Conduct long-range capability analyses by analyzing documented warfighter capability needs and requirements to identify potential materiel shortfalls and opportunities.												
FY 2013 Accomplishments: Developed capability roadmaps, advanced concept studies and analyses, and derive technology needs required to realize future materiel solutions to warfighter capability needs.												
FY 2014 Plans: For FY 2014 and out Space and Non-Space RAM PE activities were combined into a signe Development Planning project, BPAC 645349.												
FY 2015 Plans: N/A												
Title: Concept Development										2.612	-	-
Description: Conduct concept development activities, including early-phase systems engineering, by devising candidate materiel solution options to address Air Force space capability needs and shortfalls.												
FY 2013 Accomplishments:												

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2013</b>	<b>FY 2014</b>
Executed concept development activities, to include requirements support and analysis, early-phase systems engineering, early concept characterization and technical descriptions, market research, budget estimates, and technology assessments.  <b>FY 2014 Plans:</b> N/A  <b>FY 2015 Plans:</b> N/A			
<b>Title:</b> Pre-systems Acquisition Planning  <b>Description:</b> Conduct coordinated pre-systems acquisition planning activities that address requirements, schedule, cost, technology, and acquisition strategy.  <b>FY 2013 Accomplishments:</b> Performed pre-systems acquisition planning activities, to include concept refinement, cost estimates, acquisition courses of action, and acquisition milestone documentation.  <b>FY 2014 Plans:</b> N/A  <b>FY 2015 Plans:</b> N/A		1.118	-
<b>Accomplishments/Planned Programs Subtotals</b>		4.383	-
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>Remarks</b> For FY 2015 and out the RAM program is funded in PE 0606017F.			
<b>D. Acquisition Strategy</b> All contracts funded in this program element will be awarded using competitive procedures.			
<b>E. 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.			



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<b>Appropriation/Budget Activity</b> 3600 / 4	<b>R-1 Program Element (Number/Name)</b> PE 0604337F / <i>Requirements Analysis and Maturation</i>		<b>Project (Number/Name)</b> 64A024 / <i>Space Systems Requirements Analysis &amp; Maturation</i>	

## Requirements Analysis and Maturation (RAM) Master Schedule

