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Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Air Force **DATE:** April 2013

APPROPRIATION/BUDGET ACTIVITY 3600: <i>Research, Development, Test & Evaluation, Air Force</i> BA 6: <i>RDT&E Management Support</i>	R-1 ITEM NOMENCLATURE PE 0606323F: <i>Multi-Service Systems Engineering Initiative</i>
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COST (\$ in Millions)	All Prior Years	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
Total Program Element	-	13.532	13.964	13.935	-	13.935	0.000	0.000	0.000	0.000	0.000	41.431
668101: <i>MSSE and JIAMD Capability Initiative</i>	-	13.532	13.964	13.935	-	13.935	0.000	0.000	0.000	0.000	0.000	41.431
Quantity of RDT&E Articles		0	0	0		0	0	0	0	0		

[#] FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

^{##} The FY 2014 OCO Request will be submitted at a later date

Note

In FY 2014, Project Number 668101, MSSE and JIAMD Capability Initiative was terminated in order to meet higher Air Force priorities.

A. Mission Description and Budget Item Justification

The Multi-Service System Engineering Team (MSSET) serves as a joint acquisition effort to build the framework for future work towards achieving near-term Joint Track Management Capability (JTMC) and long-term Joint Integrated Air and Missile Defense (JIAMD) capabilities.

The MSSET will perform systems engineering activities in collaboration with the Missile Defense Agency (MDA), Services, Joint Staff, and OSD. The MSSET will review Service Program of Record (PoRs) and MDA systems based upon operationally validated JIAMD requirements and Prioritized Capabilities List (PCL) needs. It will then recommend engineering changes (e.g., Interface Control Documents (ICDs), common standards, and/or specifications) that can provide incremental improvements in Joint war fighting capability, as described in the Joint Requirements Oversight Council (JROC)-validated Joint IAMD operational requirements, information exchange requirements, as well as other war fighter-approved requirements. The MSSET scope will encompass the collaborative efforts to provide the war fighter the ability to effectively and efficiently utilize all available resources to counter the complete air, cruise missile, and ballistic missile threats. Activities also include studies and analysis to support both current program planning and execution, as well as future program planning.

The objective of the MSSET is to recommend incremental improvements in fielded capabilities within the construct of Service and MDA PoRs. The following list includes several, priority Family of Systems (FOS) engineering tasks. These tasks go beyond the expected scope of engineering efforts conducted by an individual Service and MDA in their POR for IAMD:

- Conduct the engineering activity to develop coordinated Joint IAMD Department of Defense (DoD) Architecture Framework (DODAF) products (e.g., System Views) while maintaining and deriving common standards.
- Develop, recommend, and document as necessary overarching JIAMD technical/performance requirements.
- Perform Joint IAMD FOS engineering and related analyses, and develop recommendations for incrementally implementing Joint IAMD capabilities.
- Develop Joint IAMD FOS engineering and Capability Validation Plans and strategies.
- Recommend updates to the Joint Staff IAMD Operational Views as necessary.

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<div>- Ensure that Joint engineering tasks are conducted in a logical sequence and in a timely manner to provide the Services and MDA the most benefit and adequate time to consider engineering recommendations derived by the MSSET.</div> <div>- JPEO act in the role of Secretariat for the AMD Integration Standing-Committee to Missile Defense Executive Board (MDEB).</div> <p>This program is in Budget Activity 6, RDT&E Management Support, this budget activity includes research, development, test and evaluation efforts and funds to sustain and/or modernize the installations or operations required for general research, development, test and evaluation.</p>						
B. Program Change Summary (\$ in Millions)		FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget		13.953	13.964	13.935	-	13.935
Current President's Budget		13.532	13.964	13.935	-	13.935
Total Adjustments		-0.421	0.000	0.000	-	0.000
• 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		0.000	0.000			
• SBIR/STTR Transfer		-0.421	0.000			
• Other Adjustments		0.000	0.000	0.000	-	0.000
C. Accomplishments/Planned Programs (\$ in Millions)				FY 2012	FY 2013	FY 2014
Title: Requirements Development				1.000	1.000	1.000
Description: MSSE Requirements Development						
FY 2012 Accomplishments: Developed, recommended, and documented as necessary overarching JIAMD technical/performance requirements.						
FY 2013 Plans: Develop, recommend, and document as necessary overarching JIAMD technical/performance requirements.						
FY 2014 Plans: Will develop, recommend, and document as necessary overarching JIAMD technical/performance requirements.						
Title: Architecture Development				5.000	5.164	5.164
Description: MSSE Architecture Development						
FY 2012 Accomplishments:						

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C. Accomplishments/Planned Programs (\$ in Millions)		FY 2012	FY 2013	FY 2014
Conducted the engineering activity to develop coordinated Joint IAMD architecture products (e.g., System Views) while maintaining and deriving common standards. Recommended updates to the Joint Staff IAMD Operational Views as necessary. FY 2013 Plans: Conduct the engineering activity to develop coordinated Joint IAMD architecture products (e.g., System Views) while maintaining and deriving common standards. Recommend updates to the Joint Staff IAMD Operational Views as necessary. FY 2014 Plans: Will conduct the engineering activity to develop coordinated Joint IAMD architecture products (e.g., System Views) while maintaining and deriving common standards. Will recommend updates to the Joint Staff IAMD Operational Views as necessary.				
Title: Engineering Description: MSSE Systems Engineering FY 2012 Accomplishments: Performed Joint IAMD FOS engineering and related analyses, and developed recommendations for incrementally implementing Joint IAMD capabilities. Developed Joint IAMD FOS engineering and Capability Validation Plans and strategies. FY 2013 Plans: Perform Joint IAMD FOS engineering and related analyses, and develop recommendations for incrementally implementing Joint IAMD capabilities. Developing Joint IAMD FOS engineering and Capability Validation Plans and strategies. FY 2014 Plans: Will perform Joint IAMD FOS engineering and related analyses, and develop recommendations for incrementally implementing Joint IAMD capabilities. Will develop Joint IAMD FOS engineering and Capability Validation Plans and strategies.		7.532	7.800	7.771
Accomplishments/Planned Programs Subtotals		13.532	13.964	13.935
D. Other Program Funding Summary (\$ in Millions) N/A Remarks				
E. Acquisition Strategy Multi-Service Systems Engineering will support subject matter experts in the Multi-Service Systems Engineering Team's working groups through Military Interdepartmental Purchase Requests in accordance with the JIAMD Joint Enterprise Architecture Plan (JEAP). This is accomplished in a collaborative fashion with the Services, MDA, the JPEO IAMD, Joint Staff, and Office of Secretary of Defense. All contracts are awarded full and open.				

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<u>F. Performance Metrics</u> <p>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.</p>		