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Exhibit R-2, RDT&E Budget Item Justification: PB 2015 Army										Date: March 2014		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 6: RDT&E Management Support					R-1 Program Element (Number/Name) PE 0605718A / Army Modeling & Sim X-Cmd Collaboration & Integ							
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	-	1.375	1.282	1.125	-	1.125	1.485	1.613	1.643	1.551	-	-
S03: Analysis M&S Tools and Services	-	1.375	1.282	1.125	-	1.125	1.485	1.613	1.643	1.551	-	-

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

Note
FY13 adjustments attributed to Congressional General Reductions (-2 thousand); SBIR/STTR transfers (-37 thousand); Sequestration reductions (-131 thousand).
FY15 reduction attributed to realignment to other higher priority Army programs.

A. Mission Description and Budget Item Justification
PE 0605718A promotes the Army's Modeling and Simulation (M&S) strategy, defined by five guiding priorities: (1) formulate Army M&S policies; (2) develop and employ management processes for models, simulations and data; (3) develop M&S standards, architectures, networks and environments; (4) develop/employ new M&S tools and simulation technology; (5) develop an M&S workforce. PE 0605718A focuses on priorities 3 and 4.

M&S Standards, Architectures, Networks and Environments: The consistent use of standards, architectures, networks and environments advances the goal of interoperability. The Army coordinates with Joint, Interagency, Intergovernmental, and Multinational (JIIM) partners along with industry and academia to develop/employ standards that promote collaboration and facilitate the sharing of tools, data and information. The Army oversees procedures and processes for the appropriate use of standards to foster common formats and increase M&S and data reuse. The Army ensures these standards, architectures, networks and environments are readily accessible and can be reliably applied by users.

M&S Tools and Simulation Technology: The Army must have credible M&S tools and data to support the full range of Army organizational missions and functional responsibilities. M&S results that are timely and credible enhance decision making. The Army must develop and accredit reliable M&S tools so that decision makers and senior leaders benefit from the results and thus support the continued development, integration and use of such tools. To ensure credibility and reliability of results, M&S managers, developers and users must make the capabilities, constraints, limitations and assumptions of their M&S tools readily accessible. PE 0605718A provides for the development and employment of tools in the form of models, simulations and data that support the full range of Army interests and deliver timely information to enhance effective decision making. Moreover, these tools can be documented, verified, validated and accredited for their intended purpose in order to provide timely, credible results.

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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	1.545	1.283	1.555	-	1.555
Current President's Budget	1.375	1.282	1.125	-	1.125
Total Adjustments	-0.170	-0.001	-0.430	-	-0.430
• Congressional General Reductions	-0.002	-0.001			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.037	-			
• Adjustments to Budget Years	-	-	-0.430	-	-0.430
• Other Adjustments	-0.131	-	-	-	-

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Appropriation/Budget Activity 2040 / 6					R-1 Program Element (Number/Name) PE 0605718A / Army Modeling & Sim X- Cmd Collaboration & Integ				Project (Number/Name) S03 / Analysis M&S Tools and Services			
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
S03: Analysis M&S Tools and Services	-	1.375	1.282	1.125	-	1.125	1.485	1.613	1.643	1.551	-	-
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
# The FY 2015 OCO Request will be submitted at a later date.												
Note												
FY14-18 funds include those reprogrammed from PE0605718A, Project S05 - SIMTECH: \$124,000, \$116,000, \$117,000, \$117,000, \$118,000. Reprogramming occurred during the POMBES14-18 cycle.												
A. Mission Description and Budget Item Justification												
The project "Analysis Tools and Services" has two functions:												
Function 1 (priority 3 of the Army M&S strategy) -- Develop M&S standards, architectures, networks and environments that promote sharing, interoperability, access and reliable application of tools, formats, data and information among/for users. M&S = Modeling and Simulation.												
Function 2 (priority 4 of the Army M&S strategy) -- Develop and improve tools and technology in the form of models, simulations and data that support the full range of Army interests and deliver timely information to enhance effective decision making. Moreover, these tools can be documented, verified, validated and accredited for their intended purpose. This is priority 4 of the Army M&S strategy.												
Resources under Project S03 support the five M&S communities (Acquisition, Analysis, Experimentation, Intelligence, Test & Evaluation, Training) at the enterprise level through enabling efforts. These efforts include the following: (a) design models, simulations, data and tools that are resident within one organization but reusable and trusted by M&S practitioners across the Army M&S Enterprise; (b) leverage industry and academia; (c) promote interoperability within M&S and between M&S and operational capabilities.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2013	FY 2014	FY 2015	
Title: Irregular Warfare									0.200	-	-	
									Articles: -	-	-	
Description: Modeling for irregular warfare will assist the Army in achieving its strategic objectives through indirect means with the same degree of dominance it employs in major combat operations. Military operations associated with irregular warfare are foreign internal defense, stability operations, counterinsurgency, combating terrorism, unconventional warfare, and application of the dynamics of cultural and human behavior.												

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
FY 2013 Accomplishments: FY13 efforts were in the area of modeling for one or more of the following operations associated with irregular warfare: foreign internal defense, stability operations, counterinsurgency, combating terrorism, unconventional warfare, and application of the dynamics of cultural and human behavior. The goal was to ensure the Army will retain the ability to conduct major combat operations while expanding the capabilities for irregular warfare.					
Title: M&S Data Management Description: Efforts applied to M&S data management allow the Army M&S community to acquire an improved, robust data collection process; a robust data mining process; and an accessible data repository to enable more responsive, credible modeling (especially for current operating and generating environments). These improvements enable the Army to close current gaps in its ability to provide M&S support to the decision-making, concept development, operational assessment, and training processes. FY 2013 Accomplishments: FY13 efforts pertained to development of M&S data and standards to allow the Army M&S community to acquire an improved, robust data collection process; a robust data mining process; and an accessible data repository to enable more responsive, credible modeling (especially for current operating and generating environments). Specific projects were selected by way of a request for proposals to the Army M&S community. The request was issued by the Army Modeling and Simulation Office.			0.500 -	- -	- -
Title: Army Network Modeling Description: The Army Network is an enhanced, interoperable communications network that assists leaders in making timely, informed decisions and promotes organizational agility, lethality and sustainability. The network links soldiers on the battlefield with space-based and aerial sensors, robots and command posts. These systems provide situational awareness and control by locating the enemy, friendly forces and civilian populations; by revealing weapon-system availability at any given time; and by enabling the application of precise lethal fires. FY 2013 Accomplishments: FY13 activities covered modeling for the Army Network to maximize the effectiveness and accuracy of systems (space-based and aerial sensors, robots, and command posts) that provide situational awareness and control.			0.200 -	- -	- -
Title: Expansion of Modeling & Simulation (M&S) Capabilities to One Semi-Automated Forces (OneSAF) Articles:			0.475 -	- -	- -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2013	FY 2014	FY 2015
Description: Expansion of M&S capabilities to OneSAF increases overall use of the OneSAF software to reduce Army life-cycle costs. Increasing OneSAF capabilities leads to the goal of implementing ONE TIME (rather than through the use of multiple software products) updates and changes associated with transformation, modernization and operations across the simulation life cycle. The reduction of reduncies; i.e., multiple software products with similar or interchangeable features, is an esstential outcome of the expanded OneSAF. FY 2013 Accomplishments: FY13 efforts enhanced the stability, interoperability and cross-community application of the OneSAF software. Efforts involved two focal points: (1) capability gaps identified in the FY12 OneSAF functional review (review consolidates the needs of the OneSAF user community and integrates findings of the OneSAF Roadmap project) and (2) integration of emerging Army capabilities and needs into the simulation software to enable the analysis and training communities to run relevant simulation events.					
Title: Develop M&S standards, architectures, networks and environments Articles: Description: Develop M&S standards, architectures, networks and environments that promote sharing, interoperability, access and reliable application of tools, formats, data and information among/for users. FY 2014 Plans: ..FY14 funds are/will be distributed among activities that promote the third priority of the Army M&S strategy: develop M&S standards, architectures, networks and environments. The specific distribution is based on requirements and priorities established prior to the start of and during FY14. FY 2015 Plans: ..FY15 funds will be distributed among activities that promote the third priority of the Army M&S strategy: develop M&S standards, architectures, networks and environments. The specific distribution will be based on requirements and priorities established prior to the start of and during FY15.			- -	0.428 -	0.367 -
Title: Develop M&S tools and technology Articles: Description: Develop and improve tools and technology in the form of models, simulations and data that support the full range of Army interests and deliver timely information to enhance effective decision making. Moreover, these tools can be documented, verified, validated for their intended purpose. FY 2014 Plans:			- -	0.854 -	0.758 -

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2013	FY 2014
..Fy14 funds are/will be distributed among activities that promote the fourth priority of the Army M&S strategy: develop M&S tools and technology. The specific distribution is based on requirements and priorities established prior to the start of and during FY14. FY 2015 Plans: ..Fy15 funds will be distributed among activities that promote the fourth priority of the Army M&S strategy: develop M&S tools and technology. The specific distribution will be based on requirements and priorities established prior to the start of and during FY15.			
Accomplishments/Planned Programs Subtotals		1.375	1.282
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy N/A E. Performance Metrics N/A			