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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army **DATE:** February 2011

APPROPRIATION/BUDGET ACTIVITY

2040: *Research, Development, Test & Evaluation, Army*
BA 5: *Development & Demonstration (SDD)*

R-1 ITEM NOMENCLATURE

PE 0604760A: *Distributive Interactive Simulations (DIS) - Eng Dev*

COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	15.184	15.547	15.803	-	15.803	15.957	15.944	16.717	16.913	Continuing	Continuing
C74: <i>DEVEL SIMULATION TECH</i>	3.633	3.548	3.630	-	3.630	3.609	3.048	3.957	4.004	Continuing	Continuing
C77: <i>Army Geospatial Data Master Plan</i>	0.329	0.477	0.484	-	0.484	0.491	0.503	0.500	0.507	Continuing	Continuing
C78: <i>One Semi-Automated Forces (OneSAF)</i>	11.222	11.522	11.689	-	11.689	11.857	12.393	12.260	12.402	Continuing	Continuing

Note

Change Summary Explanation: None Required.

A. Mission Description and Budget Item Justification

The program element "Distributive Interactive Simulations - Engineering Development" applies to the Army's Advanced Simulation Program, which enables operational readiness and the development of concepts and systems for the Future Force through the application of new simulation technology and techniques. The development and application of simulation technology will provide the means to link electronically a range of various simulation tools in a manner that is transparent to the user. The amalgam of simulations and tools is linked together to enable execution of an event; to verify the scenarios, tactics/techniques and procedures; to train testers on new hardware/software; and to conduct trial test runs before costly live field tests. The tools developed are available for reuse by developers and users of simulations throughout the Army.

Project C74 provides the resources necessary to perform the formally chartered mission of the Army's Simulation-to-C4I* Interoperability Overarching Integrated Product Team (SIMCI OIPT). (*C4I = Command, Control, Communications, Computers and Intelligence.) Project C77, Army Geospatial Data Master Plan, focuses on activities that start with data acquisition from multiple sources and culminate in (1) accurate, robust and timely geospatial data and data management and (2) integration and conversion tools that support multiple battle command, training and mission-rehearsal applications. Project C78 develops the One Semi-Automated Forces (OneSAF) program, which will combine and improve the functionality and behaviors of several current semi-automated forces to provide a single SAF for Army use in simulations.

The FY12 line of Project C74 continues management of the SIMCI OIPT's Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. The FY12 line of Project C77 develops geospatial data standards and integrates geospatial data into Army Battle Command (BC) systems. The FY12 line of Project C78 continues development of the software for OneSAF Pre-Planned Product Improvements (P3Is).

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE				
2040: Research, Development, Test & Evaluation, Army		PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev				
BA 5: Development & Demonstration (SDD)						
B. Program Change Summary (\$ in Millions)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Previous President's Budget		15.645	15.547	15.858	-	15.858
Current President's Budget		15.184	15.547	15.803	-	15.803
Total Adjustments		-0.461	-	-0.055	-	-0.055
• Congressional General Reductions			-			
• Congressional Directed Reductions			-			
• Congressional Rescissions		-	-			
• Congressional Adds			-			
• Congressional Directed Transfers			-			
• Reprogrammings		-	-			
• SBIR/STTR Transfer		-0.461	-			
• Adjustments to Budget Years		-	-	-0.055	-	-0.055

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army								DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev				PROJECT C74: DEVEL SIMULATION TECH			
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
C74: DEVEL SIMULATION TECH	3.633	3.548	3.630	-	3.630	3.609	3.048	3.957	4.004	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Project C74 funds the HQDA-chartered mission of the Simulation-to-C4I* Interoperability (SIMCI) Overarching Integrated Product Team (OIPT).(*C4I = Command, Control, Computers, Communications and Intelligence.) The SIMCI OIPT mission is to provide recommendations to Army senior leadership regarding Army policy, organization and processes for improvement of interoperability between Battle Command (BC) systems and the Modeling and Simulation (M&S) systems the Army uses to stimulate those BC systems for training Soldiers and their Leaders. In addition, SIMCI invests in targeted solutions to the most critical problems. The applicable BC system capabilities encompass not only command and control functions, but also decision and planning support capabilities that cover all functions including deployment, mission rehearsal, sustainment, intelligence, surveillance, reconnaissance, etc. from fixed locations and with Battle Command on the Move (BCOTM). The SIMCI OIPT, led by PEO-STRI and PEO-C3T, uses focused collaborative processes among its 30+ Army organizations (including HQDA staff, capability developers and materiel developers) to identify key/critical interoperability shortfalls and the required materiel solutions.

The primary functions of the SIMCI OIPT are: (1) Technical Investment--sponsor/support initiatives that seek common solutions to critical interoperability issues surrounding BC and M&S systems; e.g. targeted, technical investments for development projects and establishing common tools such as geospatial (terrain) products; implementation of BC and M&S interoperability architectures, standards, and interface products. This technical investment includes high- payoff cooperative research and coordination among existing and emerging BC and M&S programs; (2) Advisor to Army Leadership--improve BC and M&S interoperability programs, policies, directives, resourcing, and procedures; (3) Outreach--conduct & participate in interoperability outreach activities such as technical work groups, meetings, conferences, and publications in order to facilitate the integration of Army interoperability initiatives within the Army and with Service and Coalition programs.

SIMCI investments consist primarily of cost-sharing initiatives, leveraging initial system solutions of acquisition programs to enhance the interoperability of multiple systems in the Joint Operational Environment. Key programs that will benefit from the cross-domain vision and practices of SIMCI include Army Battle Command Systems (ABCS), System of Systems Engineering (SOSE), Force XXI Battle Command Brigade and Below (FBCB2), Joint Capabilities Release (JCR), Joint Land Component Constructive Training Capability (JLCCTC), Live/Virtual/Constructive Integrating Architecture (LVC-IA), Software Blocking (SWB), Data Product Development Environment (DPDE), Joint Forces Command's Joint National Training Capability (JNTC), and Global Command and Control System- Family of Systems (GCCS-FOS). Currently, the near term component of these efforts are focused on Capability Set fielding in support of Deployed and Deploying Forces.

SIMCI investments accelerate implementation (at reduced cost), within BC and M&S systems, of common data models and information exchanges that are used by other Services and coalition nations, thus enhancing the inherent ability of Army systems to interoperate seamlessly in a Joint, Interagency, Intergovernmental, and Multinational (JIIM) environment. The SIMCI-sponsored Army C4I and Simulation Mission Initialization products and capability will be expanded to address key training and operational data initialization gaps in support of deployed and deploying Units. This will enable timely, flexible, and common data updates to BC and M&S systems, thus reducing the operational unit's mission preparation time ambiguity and improving the quality of the Unit's training and readiness. SIMCI's direct involvement with PEO Integration will increase the visibility of that program's needs and capabilities, providing the various OIPTs with opportunities to leverage their

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011									
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604760A: <i>Distributive Interactive Simulations (DIS) - Eng Dev</i>	PROJECT C74: <i>DEVEL SIMULATION TECH</i>									
<p>systems' fundamental capabilities to meet the needs of PEO Integration, and vice versa. SIMCI investments will cement those relationships through co-development and implementation of common-use products.</p> <p>FY12 funding continues management of the SIMCI OIPT'S Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. It is focused first on reducing costs and improving capabilities in the areas of automating Operational Plans, Orders, and Reports in support of Army, Joint, and Coalition operations. Objectives are: identify and articulate to HQDA senior leadership specific standards that require Army-wide implementation; co-develop data standards, architecture standards, implementation specifications and Joint/Coalition products; co-develop BC/M&S products to support PEO Integration; continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		<table> <tr> <th>FY 2010</th><th>FY 2011</th><th>FY 2012</th></tr> <tr> <td>3.633</td><td>3.548</td><td>3.630</td></tr> <tr> <td>0</td><td>0</td><td></td></tr> </table>	FY 2010	FY 2011	FY 2012	3.633	3.548	3.630	0	0	
FY 2010	FY 2011	FY 2012									
3.633	3.548	3.630									
0	0										
<p>Title: Program Management for the SIMCI Overarching Integrated Product Team (OIPT) Projects.</p> <p>Articles:</p> <p>Description: Program Management of the SIMCI OIPT's Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products.</p> <p>FY 2010 Accomplishments: FY10 funding continues management of the SIMCI OIPT'S Army-wide collaborative, interoperability enhancement activities. It is focused first on reducing costs and improving capabilities in the areas of geospatial functionality and interoperability for BC systems and simulations. Objectives are: identify and articulate to HQDA senior leadership specific standards, directives, and regulations that require Army-wide implementation; co-develop data standards, architecture standards, implementation specifications, and products for BC/M&S applications; and continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.</p> <p>FY 2011 Plans: FY11 funding continues management of the SIMCI OIPT'S Army-wide collaborative, interoperability enhancement activities. It is focused first on reducing costs and improving capabilities in the areas of Army/Joint BC training and testing functionality and interoperability for BC systems and simulations. Objectives are: identify and articulate to HQDA senior leadership specific standards that require Army-wide implementation; co-develop data standards, architecture standards, implementation specifications, and joint initialization / scenario-generation products; co-develop common data integration/translation capability for BC/M&S applications; co-develop BC/M&S products to support PEO Integration; continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.</p> <p>FY 2012 Plans: FY12 funding continues management of the SIMCI OIPT'S Army-wide collaborative, interoperability enhancement activities, including architecture alignment, data model alignment, common standards, components, and products. It is focused first on reducing costs and improving capabilities in the areas of automating Operational Plans, Orders, and Reports in support of Army,</p>											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
Joint, and Coalition operations. Objectives are: identify and articulate to HQDA senior leadership specific standards that require Army-wide implementation; co-develop data standards, architecture standards, implementation specifications and Joint/Coalition products; co-develop BC/M&S products to support PEO Integration; continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.			
Accomplishments/Planned Programs Subtotals		3.633	3.548
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy SIMCI OIPT resources are allocated to multiple organizations in both the BC and M&S Communities. The funds are contracted to execute approved functions and to projects that advance the efforts of SIMCI and components-based architecture alignment. Products developed transition to the lead program which then maintains the product for the cost savings of itself and other programs in both Communities.			
E. Performance Metrics Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev				PROJECT C74: DEVEL SIMULATION TECH					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management	Various	PEO STRI:Orlando, FL	8.811	0.211		0.216		-		0.216	Continuing	Continuing	Continuing
Subtotal			8.811	0.211		0.216		-		0.216			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Transition of simulation initialization capability	Various	JFCOM J7:Suffolk, VA	1.354	0.542		0.385		-		0.385	Continuing	Continuing	Continuing
JC3IEDM/Data Model Migration and Implementation	SS/CPFF	Alion Science & Technology:Tysons Corner, VA	0.497	0.285		0.370		-		0.370	Continuing	Continuing	Continuing
Data Model applications and reference implementations	Various	Viecore FSD, George Mason Univ:Ft. Monmouth, NJ	0.782	0.610		0.500		-		0.500	Continuing	Continuing	Continuing
Initialization Study Implementation	Various	IDA:Alexandria, VA	0.210	0.610		0.313		-		0.313	Continuing	Continuing	Continuing
Implementation of Initialization Products	Various	Alion Science & Technology:Tysons Corner, VA	0.985	0.398		0.475		-		0.475	Continuing	Continuing	Continuing
Mission Comand systems data mediation/web services	Various	NVESD, CERDEC, AGC:Various	1.461	0.417		0.197		-		0.197	Continuing	Continuing	Continuing
Expanding MTOE System Architecture (SA) Data	SS/FP	General Dynamics:Orlando, FL	0.961	0.297		0.505		-		0.505	Continuing	Continuing	Continuing
C2 Adapter Web Services and Tools	Various	PEO STRI & ACG:Orlando, FL	1.398	-		0.505		-		0.505	Continuing	Continuing	Continuing
Subtotal			7.648	3.159		3.250		-		3.250			

UNCLASSIFIED

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Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
SIMCI Program/OIPT Support	Various	Alion Science & Technology:Orlando, FL	0.308	0.121		0.105		-		0.105	Continuing	Continuing	Continuing
Army Initialization Program and Technical Work Groups	Various	Alion Science & Tecnology:Orlando, FL	0.371	0.057		0.059		-		0.059	Continuing	Continuing	Continuing
Subtotal			0.679	0.178		0.164		-		0.164			
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			17.138	3.548		3.630		-		3.630			
Remarks													

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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
C77: <i>Army Geospatial Data Master Plan</i>	0.329	0.477	0.484	-	0.484	0.491	0.503	0.500	0.507	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
<p>Project C77 addresses the development and maintenance of the Army Geospatial Data Integrated Master Plan (AGDIMP), approved by the Chief of Staff, Army in April 2005. The AGDIMP provides the framework for generating, analyzing and distributing geospatial data for battle management operations, training, and mission rehearsal. The AGDIMP also provides the procedures for identifying and refining Army geospatial resource requirements. Geospatial data provide soldiers with the framework and background for displaying the location of friendly and enemy forces and the location of other critical features on the battlefield. Geospatial data -- used in Army command and control systems, course of action analysis, mission rehearsal tools, simulators and simulations -- provide insights on how the physical environment will impact combat operations. This minimizes exposure of soldiers to hostile environments. The AGDIMP describes the operations for a complete, integrated network-centric enterprise for managing and updating geospatial data required for the Army's Future Force. Although this plan encompasses most of the issues of an enterprise solution for geospatial needs and concerns, it does not contain the full level of detail or complexity required to be considered complete. The AGDIMP includes all activities starting with data acquisition from multiple sources (including raw sensor feeds from national sensors to soldier/platform level) and concluding with accurate, robust, and timely geospatial (terrain-related) data management, integration, and conversion tools that support multiple battle command, training, and mission-rehearsal applications. The AGDIMP does not include the algorithms and functions used by the applications themselves to produce finished battle command or intelligence products. The AGDIMP will become part of a much larger effort to integrate geospatial activities across all Services while documenting the complex framework for a "net ready" geospatial information and service architecture, an environment in which the Army's current and future forces must operate to achieve information dominance within the total battle space. This larger effort is currently being developed in conjunction with the Joint Forces Command and the other Services, including Special Operations Command.</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Army Geospatial Data Model								0.193	0.250	0.239	
Articles:								0	0		
Description: The Army Geospatial Data Model (AGDM) incorporates common data elements that conform to standards mandated by the Department of Defense Information Technology Standards Registry (DISR) for the National System for Geospatial Intelligence (NSG). Incorporating common geospatial data standards into the AGDM makes programs of record consistent with new DISR-mandated geospatial intelligence standards for the NSG.											
FY 2010 Accomplishments: FY10 funds contribute to the development of the Army geospatial data model.											
FY 2011 Plans:											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
FY11 funds contribute to the development of the Army geospatial data model.			
FY 2012 Plans: FY12 funds will contribute to the development of the Army geospatial data model.			
Title: Geospatial Data Standards			
Articles:		0.136	0.227
		0	0
Description: Army geospatial data -- used in Army command and control systems, course of action analysis, mission rehearsal tools, simulators and simulations -- provide insight on how the physical environment will impact combat operations. The Army Geospatial Data Model (AGDM) involves synchronization of data dictionaries at Army and DoD levels so that geospatial data can be seamlessly transferred and viewed between Battle Command (BC) systems and at the national level to enable a Common Operating Picture (COP).			
FY 2010 Accomplishments: Fy10 funds develop geospatial data standards and integrate geospatial data into the Battle Command (BC) systems.			
FY 2011 Plans: FY11 funds develop geospatial data standards and integrate geospatial data into the Battle Command (BC) systems.			
FY 2012 Plans: FY12 funds will will develop geospatial data standards and integrate geospatial data into the Battle Command (BC) systems.			
Accomplishments/Planned Programs Subtotals		0.329	0.477
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy Resources are allocated to multiple organizations for approval and execution of projects in support of the AGDIMP.			
E. Performance Metrics Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.			

UNCLASSIFIED

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Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Geospatial Model and Data Standards	Various	TBD:TBD	2.324	0.477		0.484		-		0.484	Continuing	Continuing	Continuing
Subtotal			2.324	0.477		0.484		-		0.484			
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			2.324	0.477		0.484		-		0.484			
Remarks													

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COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
C78: One Semi-Automated Forces (OneSAF)	11.222	11.522	11.689	-	11.689	11.857	12.393	12.260	12.402	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Project C78 develops and delivers a software system that represents activities of units and forces in simulation. This representation is used to support the concept evaluation, experimentation, materiel acquisition and training communities. The focus of this project is systems engineering and design for development and evolution of the architecture and software tools for a universal system of Army computer-generated forces -- One Semi-Automated Forces (OneSAF). OneSAF is a next-generation higher fidelity brigade-and-below SAF that represents a full range of operations, systems and control processes in support of stand-alone and embedded training and Research, Development and Acquisition (RDA) simulation applications. OneSAF will be fully interoperable with the Army's emerging virtual, live, and division-and-above constructive simulations and will provide next-generation simulation products. OneSAF will replace a variety of simulations currently used within the Army to support analytic and training simulation activities.											
FY12 will continue the development of software as required to provide OneSAF Pre-Planned Product Improvements (P3Is) as prioritized and approved by the Training and Doctrine Command (TRADOC) Project Office.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Engineering and Manufacturing Development (EMD) phase contract activities for the One Semi-Automated Forces program. Articles:								8.509	8.872	9.771	
								0	0		
Description: Continue EMD phase contract activities for the OneSAF program.											
FY 2010 Accomplishments: Continues EMD phase contract activities for the OneSAF program. Continue the production of software as required to provide OneSAF Pre-Planned Product Improvements (P3Is) as prioritized and approved by the Training and Doctrine Command (TRADOC) Project Office. Continue software development of functionality to provide architectural services, components, synthetic environment and infrastructure capable of supporting initial model development. Perform Software production, test and release of Version 4.0. Provide support to the user community.											
FY 2011 Plans: Continue the production of software as required to provide OneSAF Pre-Planned Product Improvements (P3Is) as prioritized and approved by the Training and Doctrine Command (TRADOC) Project Office. Continue software development of functionality											

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
to provide architectural services, components, synthetic environment and infrastructure capable of supporting initial model development. Perform Software production, test and release of Version 5.0. Provide support to the user community. FY 2012 Plans: Continue the production of software to provide OneSAF Pre-Planned Product Improvements (P3Is) as prioritized and approved by the Training and Doctrine Command (TRADOC) Project Office. Continue software development of functionality to provide architectural services, components, synthetic environment and infrastructure capable of supporting initial model development. Perform Software production, test and release of Version 6.0.				
Title: Government System Test and Evaluation for the One Semi-Automated Forces program. Description: Government System Test and Evaluation for the OneSAF program. FY 2010 Accomplishments: Perform software production, test and release of Version 4.0. Provide support to the user community. FY 2011 Plans: Perform software production, test and release of Version 5.0. Provide support to the user community. FY 2012 Plans: Perform software production, test and release of Version 6.0. Provide support to the user community.		Articles: 1.467 0	1.000 0	1.000
Title: Government Program Management for the OneSemi-Automated Forces (OneSAF) program. Description: Government Program Management for the OneSAF program. FY 2010 Accomplishments: The Government Program Management Office for OneSAF supports the design and development of version 4.0. Funding supports manpower, facilities and training. FY 2011 Plans: The Government Program Management Office for OneSAF supports the design, development and integration of OneSAF version 5.0. Funding supports manpower, facilities, training and operations and maintenance. FY 2012 Plans:		Articles: 1.246 0	1.650 0	0.918

UNCLASSIFIED

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2012 Army							DATE: February 2011				
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>			R-1 ITEM NOMENCLATURE PE 0604760A: <i>Distributive Interactive Simulations (DIS) - Eng Dev</i>			PROJECT C78: <i>One Semi-Automated Forces (OneSAF)</i>					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
The Government Program Management Office for OneSAF supports the design, development and integration of OneSAF version 6.0. Funding support manpower, facilities, training, operations and maintenance and other infrastructure.											
Accomplishments/Planned Programs Subtotals							11.222	11.522	11.689		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• FY 2010: OMA, 121014000	3.832	4.205	4.502		4.502		5.632	5.598	5.693	Continuing	Continuing
D. Acquisition Strategy											
Development of Pre-Planned Product Improvement (P3I) requirements as prioritized and approved by the TRADOC Project Office via multiple task orders on competitively selected contracts.											
E. Performance Metrics											
Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY				R-1 ITEM NOMENCLATURE				PROJECT					
2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev				C78: One Semi-Automated Forces (OneSAF)					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program management	Various	PEO STRI, Orlando, FL:Various	11.960	1.650		0.918		-		0.918	Continuing	Continuing	Continuing
Subtotal			11.960	1.650		0.918		-		0.918			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Architecture Dev & System Integration	C/CPFF	Science Applications International Corp, Orlando, FL:Orlando, FL	48.794	2.102		-		-		-	Continuing	Continuing	Continuing
Model and Tools Development	C/CPFF	Science Applications International Corp:Orlando, FL	24.663	3.600		-		-		-	Continuing	Continuing	Continuing
Environmental Runtime Component	C/CPFF	Science Applications:Orlando, FL	7.390	0.800		-		-		-	Continuing	Continuing	Continuing
OneSAF Component Development	C/CPFF	Various:Various	9.448	0.610		-		-		-	Continuing	Continuing	Continuing
Integrated Environment Dev	C/CPFF	Advanced Systems Technology, Inc:Orlando FL	10.102	1.100		1.100		-		1.100	Continuing	Continuing	Continuing
Integration, Interoperability, and Support (I2S)	C/CPFF	TBS:TBS	-	-		1.288		-		1.288	Continuing	Continuing	Continuing
Software Development	C/CPFF	TBS:TBS	-	-		6.723		-		6.723	Continuing	Continuing	Continuing
Subtotal			100.397	8.212		9.111		-		9.111			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev				PROJECT C78: One Semi-Automated Forces (OneSAF)					
Support (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
System Analysis	Various	Various:Various	5.277	0.160		0.160		-		0.160	Continuing	Continuing	Continuing
Domain Analysis	Various	Various:Various	4.681	0.200		0.200		-		0.200	Continuing	Continuing	Continuing
Architecture Engr & Tech Spt	SS/FP	MITRE FFRDC:Ft. Monmouth, NJ	2.986	0.300		0.300		-		0.300	Continuing	Continuing	Continuing
Subtotal			12.944	0.660		0.660		-		0.660			
Test and Evaluation (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
OneSAF integration, evaluation and test	SS/FP	Various:Various	5.934	0.800		0.800		-		0.800	Continuing	Continuing	Continuing
OneSAF Verification, Validation & Accreditation	SS/FP	Various:Various	5.460	0.200		0.200		-		0.200	Continuing	Continuing	Continuing
Subtotal			11.394	1.000		1.000		-		1.000			
			Total Prior Years Cost	FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			136.695	11.522		11.689		-		11.689			
Remarks													

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>		R-1 ITEM NOMENCLATURE PE 0604760A: <i>Distributive Interactive Simulations (DIS) - Eng Dev</i>		PROJECT C78: <i>One Semi-Automated Forces (OneSAF)</i>	

	FY 2010				FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016			
	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
OneSAF Version Release 4.0																												
OneSAF Version Release 5.0																												
OneSAF Version Release 6.0																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2012 Army			DATE: February 2011
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604760A: <i>Distributive Interactive Simulations (DIS) - Eng Dev</i>	PROJECT C78: <i>One Semi-Automated Forces (OneSAF)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
OneSAF Version Release 4.0	1	2010	1	2010
OneSAF Version Release 5.0	1	2011	1	2011
OneSAF Version Release 6.0	1	2012	1	2012

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