Exhibit R-2, **RDT&E Budget Item Justification:** PB 2013 Army

APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE

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

BA 5: Development & Demonstration (SDD)

2040: Research, Development, Test & Evaluation, Army

COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	15.031	15.787	13.926	-	13.926	13.920	14.019	14.430	14.768	Continuing	Continuing
C74: DEVEL SIMULATION TECH	3.438	3.626	2.206	-	2.206	1.914	2.184	2.196	2.331	Continuing	Continuing
C77: Army Geospatial Data Master Plan	0.461	0.483	-	-	-	-	-	-	-	Continuing	Continuing
C78: One Semi-Automated Forces (OneSAF)	11.132	11.678	11.720	-	11.720	12.006	11.835	12.234	12.437	Continuing	Continuing

Note

Change Summary Explanation: Realigned to higher priority requirements.

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.

FY 2013 funding for 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. Project C77 has no FY 2013 funding. Project C78 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.

DATE: February 2012

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

2040: Research, Development, Test & Evaluation, Army

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army

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

BA 5: Development & Demonstration (SDD)

FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
15.547	15.803	15.957	-	15.957
15.031	15.787	13.926	-	13.926
-0.516	-0.016	-2.031	-	-2.031
-	-			
-	-			
-	-			
-	-			
-	-			
-	-			
-0.394	-			
-0.122	-0.016	-2.031	-	-2.031
	15.547 15.031 -0.516 - - - - - - - -0.394	15.547	15.547	15.547

Exhibit R-2A, RDT&E Project Just		DATE: February 2012									
APPROPRIATION/BUDGET ACTIV 2040: Research, Development, Test BA 5: Development & Demonstration	PE 060476	IOMENCLA 0A: Distribut (DIS) - Eng	ive Interactiv	⁄e	PROJECT C74: DEVEL SIMULATION TECH						
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
C74: DEVEL SIMULATION TECH	3.438	3.626	2.206	-	2.206	1.914	2.184	2.196	2.331	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-Mission Command Interoperability (SIMCI) Overarching Integrated Product Team (OIPT). The SIMCI OIPT mission is to provide policy recommendations to Army senior leadership to improve organizations by allowing Soldiers to fight in the same manner which they train. This is accomplished by interoperability between Mission Command (MC) systems and the Modeling and Simulation (M&S) systems the Army uses to stimulate MC systems for training Soldiers and their Leaders. SIMCI also invests in targeted solutions to critical problem areas that exist between MC and Simulations. The SIMCI OIPT, led by PEO STRI and PEO C3T, uses focused collaborative processes among its 30+ Army organizations to identify key/critical interoperability shortfalls and the required materiel solutions.

The SIMCI OIPT provides the following: (1) Advisor to Army Leadership--improve MC and M&S interoperability programs, policies, directives, resourcing, and procedures; (2) Technical Investment--sponsor/support initiatives that seek common solutions to critical interoperability issues surrounding MC and M&S systems; (3) Outreach--conduct & participate in interoperability outreach activities. 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. SIMCI investments accelerate implementation within MC 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.

FY 2013 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; continue transition of SIMCI knowledge and proof-of-principle products to Army and Joint acquisition programs.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: Program Management for the SIMCI Overarching Integrated Product Team (OIPT) Projects.	3.438	3.626	2.206
Articles:	0	0	
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.			
FY 2011 Accomplishments:			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army	DATE: February 2012	
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
2040: Research, Development, Test & Evaluation, Army	PE 0604760A: Distributive Interactive	C74: DEVEL SIMULATION TECH
BA 5: Development & Demonstration (SDD)	Simulations (DIS) - Eng Dev	

BA 5: Development & Demonstration (SDD)	Simulations (DIS) - Eng Dev			
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantit	ties in Each)	FY 2011	FY 2012	FY 2013
Continued management of the SIMCI OIPT'S Army-wide collaborative, int reducing costs and improving capabilities in the areas of Army/Joint BC tr systems and simulations. Objectives were: identify and articulate to HQD wide implementation; co-develop data standards, architecture standards, scenario-generation products; co-develop common data integration/transl MC/M&S products to support PEO Integration; continue transition of SIMC Joint acquisition programs.	aining and testing functionality and interoperability for A senior leadership specific standards that require A implementation specifications, and joint initialization ation capability for BC/M&S applications; co-develop	r BC rmy-		
FY 2012 Plans: Continues management of the SIMCI OIPT'S Army-wide collaborative, int architecture alignment, data model alignment, common standards, compocosts and improving capabilities in the areas of automating Operational Pland Coalition operations. Objectives are: identify and articulate to HQDA seni implementation; co-develop data standards, architecture standards, imple co-develop MC/M&S products to support PEO Integration; continue transito Army and Joint acquisition programs.	onents, and products. It is focused first on reducing lans, Orders, and Reports in support of Army, Joint, or leadership specific standards that require Army-wementation specifications and Joint/Coalition products	de ;		
FY 2013 Plans: Continues management of the SIMCI OIPT'S Army-wide collaborative, int architecture alignment, data model alignment, common standards, compocosts and improving capabilities in the areas of automating Operational P Coalition operations. Objectives are: identify and articulate to HQDA seni implementation; co-develop data standards, architecture standards, imple continue transition of SIMCI knowledge and proof-of-principle products to	onents, and products. It is focused first on reducing lans, Orders, and Reports in support of Army, Joint, or leadership specific standards that require Army-w mentation specifications and Joint/Coalition products	de		
	Accomplishments/Planned Programs Subto	tals 3.438	3.626	2.206

C. Other Program Funding Summary (\$ in Millions)

N/A

D. Acquisition Strategy

SIMCI OIPT resources are allocated to multiple organizations in both the MC 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 or sponsor's program which then maintains the product for the cost savings of itself and other programs in both Communities.

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD) E. Performance Metrics R-1 ITEM NOMENCLATURE PE 0604760A: Distributive Interactive Simulations (DIS) - Eng Dev
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.

PE 0604760A: Distributive Interactive Simulations (DIS) - Eng D... Army

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army

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

DATE: February 2012

PROJECT

C74: DEVEL SIMULATION TECH

Management Services	(\$ in Millio	ons)		FY 2	012	FY 2 Ba	2013 se		2013 CO	FY 2013 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	9.284	0.216		0.200		-		0.200	Continuing	Continuing	Continuing
		Subtotal	9.284	0.216		0.200		-		0.200			

Product Development (\$	uct Development (\$ in Millions)			FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	JCW:Suffolk, VA	2.461	0.385		0.193		-		0.193	Continuing	Continuing	Continuing
Geospatial Initiative	Various	GMU:Fairfax, VA	1.028	0.370		0.215		-		0.215	Continuing	Continuing	Continuing
Data Model applications and reference implementations	Various	Viecore FSD, George Mason Univ,:Ft. Monmouth, NJ	1.912	0.500		0.144		-		0.144	Continuing	Continuing	Continuing
Implementation of Initialization Products	Various	Alion Science & Technology:Tysons Corner, VA	1.795	0.475		0.150		-		0.150	Continuing	Continuing	Continuing
Initialization Study Implementation	Various	IDA:Alexandria, VA	0.710	0.309		0.170		-		0.170	Continuing	Continuing	Continuing
Mission Comand systems data mediation/web services	Various	NVESD, CERDEC, AGC:Various	2.419	0.197		0.200		-		0.200	Continuing	Continuing	Continuing
Expanding MTOE System Architecture (SA) Data	SS/FP	General Dynamics:Orlando, FL	1.619	0.210		-		-		-	0.000	1.829	1.829
C2 Adapter Web Services and Tools	Various	PEO STRI & ACG:Orlando, FL	1.918	0.505		0.225		-		0.225	Continuing	Continuing	Continuing
		Subtotal	13.862	2.951		1.297		-		1.297			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army

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

DATE: February 2012

PROJECT

C74: DEVEL SIMULATION TECH

Support (\$ in Millions)			FY 2012		FY 2013 Base			2013 CO	FY 2013 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	C/CPFF	Alion Science & Technology:Orlando, FL	0.541	0.400		0.650		-		0.650	Continuing	Continuing	Continuing
Army Initialization Program and Technical Work Groups	Various	Alion Science & Tecnology:Orlando, FL	0.522	0.059		0.059		-		0.059	Continuing	Continuing	Continuing
		Subtotal	1.063	0.459		0.709		-		0.709			
			Total Prior Years Cost	FY 2	012	FY 2 Ba	2013 se		2013 CO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	24.209	3.626		2.206		-		2.206			

Remarks

Exhibit R-2A, RDT&E Project Just						DATE: Feb	ruary 2012				
APPROPRIATION/BUDGET ACTIV 2040: Research, Development, Test BA 5: Development & Demonstration			ive Interactiv	⁄e	PROJECT C77: Army Geospatial Data Master Plan						
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
C77: Army Geospatial Data Master Plan	0.461	0.483	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Project C77 addresses the implementation and acceleration of objectives 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, a

Project C77 has no FY 2013 funding.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: Army Geospatial Data Model	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 2011 Accomplishments:			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army	DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604760A: Distributive Interactive	C77: Army	Geospatial Data Master Plan
BA 5: Development & Demonstration (SDD)	Simulations (DIS) - Eng Dev		

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Contributed to the development of the Army geospatial data model.			
FY 2012 Plans:			
Contribute to the development of the Army geospatial data model.			
Title: Geospatial Data Standards	0.211	0.244	-
Articles:	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 2011 Accomplishments: Developed geospatial data standards and integrate geospatial data into the Battle Command (BC) systems.			
FY 2012 Plans: Develop geospatial data standards and integrate geospatial data into the Battle Command (BC) systems.			
Accomplishments/Planned Programs Subtotals	0.461	0.483	-

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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army

Project Cost Totals

3.114

0.483

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

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0.000

3.597

3.614

PROJECT

C77: Army Geospatial Data Master Plan

Product Development	(\$ in Millio	ns)		FY 2	012	_	2013 se		FY 2013 OCO				
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	3.114	0.483		-		-		-	0.000	3.597	3.614
		Subtotal	3.114	0.483		-		-		-	0.000	3.597	3.614
			Total Prior Years Cost	FY 2	012		2013 se		2013 CO	FY 2013 Total	Cost To	Total Cost	Target Value of Contract

Remarks

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Exhibit R-2A, RDT&E Project Just	ification: PE	3 2013 Army					DATE: Febi	ruary 2012			
APPROPRIATION/BUDGET ACTIV 2040: Research, Development, Test BA 5: Development & Demonstration		PE 060476	IOMENCLA DA: Distribut (DIS) - Eng	ive Interactiv	е	PROJECT C78: One Semi-Automated Forces (OneSAF)					
COST (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
C78: One Semi-Automated Forces (OneSAF)	11.132	11.678	11.720	-	11.720	12.006	11.835	12.234	12.437	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.

FY 2013 funding will continue the development of software product line 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 2011	FY 2012	FY 2013
Title: Engineering and Manufacturing Development (EMD) phase contract activities for the One Semi-Automated Forces program.	7.857	8.278	8.120
Articles:	0	0	
Description: Continue EMD phase contract activities for the OneSAF program.			
FY 2011 Accomplishments:			
Continued 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. Continued software development of functionality to provide architectural services, components, synthetic environment and infrastructure capable of supporting initial model			
development. Performed Software development, test and release of Version 5.0. Provided support to the OneSAF user community			
FY 2012 Plans:			
Continue the development 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			

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army			DATE: Fel	bruary 2012				
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)					
B. Accomplishments/Planned Programs (\$ in Millions, Articl	, , ,		FY 2011	FY 2012	FY 2013			
architectural services, components, synthetic environment and in Perform Software development, test and release of Version 5.1.	nfrastructure capable of supporting initial model develo	pment.	112011	1 1 2012	1 1 2013			
FY 2013 Plans: Continue the development of software capabilities to provide On and approved by the Training and Doctrine Command (TRADOC to enhance architectural services, components, synthetic environ development. Perform Software development, test and release of	C) Project Office. Continue software development of fundement and infrastructure capable of supporting model							
Title: Government System Test and Evaluation for the One Sem	ni-Automated Forces program.	Articles:	1.000 0	1.000 0	1.100			
Description: Government System Test and Evaluation for the C	neSAF program.							
FY 2011 Accomplishments: Performed software development, test and release of Version 5. FY 2012 Plans: Perform development software, test, release and verification for in conducting experiments and validation events as needed for capplications.	Version 5.1.1 and 5.5. Provide support to the user cor							
FY 2013 Plans: Perform development software, test, release and verification for experiments and validation events as needed for integration into		conducting						
Title: Government Program Management for the OneSemi-Auto	mated Forces (OneSAF) program.	Articles:	2.275 0	2.400 0	2.500			
Description: Government Program Management for the OneSA	F program.							
FY 2011 Accomplishments: The Government Program Management Office for OneSAF supportsion 5.0. Provided Government oversight and management of the control of								
FY 2012 Plans:								

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PE 0604760A: Distributive Interactive Simulations (DIS) - Eng D...

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Exhibit R-2A, RDT&E Project Justification: PB 2013 Army			DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
2040: Research, Development, Test & Evaluation, Army	PE 0604760A: Distributive Interactive	C78: One S	Semi-Automated Forces (OneSAF)
BA 5: Development & Demonstration (SDD)	Simulations (DIS) - Eng Dev		

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each) The Government Program Management Office for OneSAF supports the design, development and integration of OneSAF Versions 5.1.1 and 5.5. Provides for government manpower, facilities, training, operations and maintenance of the OneSAF infrastructure.	FY 2011	FY 2012	FY 2013
FY 2013 Plans: Provides for Government Program Management Office support of the development and integration of OneSAF version 6.0. Funding supports manpower, facilities, training, operations and maintenance and other infrastructure.			
Accomplishments/Planned Programs Subtotals	11.132	11.678	11.720

C. Other Program Funding Summary (\$ in Millions)

			FY 2013	FY 2013	FY 2013					Cost To	
<u>Line Item</u>	FY 2011	FY 2012	Base	OCO	<u>Total</u>	FY 2014	FY 2015	FY 2016	FY 2017	Complete	Total Cost
• OMA: <i>OMA, 121014000</i>	3.548	4.487	4.190		4.190		4.993	5.106	5.192	Continuing	Continuing

D. Acquisition Strategy

Continue the yearly version release of the OneSAF SW containing performance enhancements resulting from both approved Product Improvements and Co-Developer handovers as integrated into the released version.

Manage the two new competitive Delivery Orders; and the Integration, Interoperability, and Support (I2S) to fully serve the current and evolving needs of the program.

Focused on OneSAF Product Line capability enhancements to deliver SW products, data, and documentation that meets the needs of the growing user community. The enhancements will be executed within the development line as modifications to the released baseline via Engineering Change Proposals (ECPs); Change Requests (CRs): Pre-Planned Product Improvements (P3I); and correction of deficiencies identified as Problem Test Reports (PTRs) and Deficiency Reports (DRs) by the user community.

The I2S Delivery Order is focused on the Configuration Management and Control of the released OneSAF Product Line and executes the overarching OneSAF integration, interoperability and support efforts required for delivery of OneSAF SW, data and documentation products to the User Community. It also provides the Conceptual Modeling, Architectural and Engineering support to the OneSAF Co-Developers as required to support their OneSAF SW product deliveries; the training products and support required by the OneSAF user community; and integration of capabilities.

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 2013 Army

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

DATE: February 2012

PROJECT

C78: One Semi-Automated Forces (OneSAF)

Management Services	(\$ in Millio	ons)		FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 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	15.481	2.400		2.500		-		2.500	Continuing	Continuing	Continuing
		Subtotal	15.481	2.400		2.500		-		2.500			
roduct Development (\$ in Millions)				FY 2	2012		2013 se		2013 CO	FY 2013 Total			

Product Development (\$	in Millio	ns)		FY 2	012	FY 2 Ba			2013 CO	FY 2013 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	51.466	-		-		-		-	0.000	51.466	51.466
Model and Tools Development	C/CPFF	Science Applications International Corp:Orlando, FL	27.625	-		-		-		-	0.000	27.625	27.62
Environmental Runtime Component	C/CPFF	Science Applications:Orlando, FL	7.981	-		-		-		-	0.000	7.981	7.98
OneSAF Component Development	C/CPFF	Various:Various	9.648	-		-		-		-	0.000	9.648	9.648
Integrated Environment Dev	C/CPFF	Advanced Systems Technology, Inc:Orlando FL	11.702	-		-		-		-	0.000	11.702	11.702
OneSAF Bridge Contract	C/CPFF	Science Applications International Corp:Orlando, FL	3.797	-		-		-		-	0.000	3.797	3.797
Integration, Interoperability, and Support (I2S)	C/CPFF	Cole Engineering Services, Inc.:Orlando, FL	0.350	1.288		1.500		-		1.500	Continuing	Continuing	Continuing
Software Development	C/CPFF	Science Applications International Corp:Orlando, FL	1.150	5.070		4.310		-		4.310	Continuing	Continuing	Continuing
		Subtotal	113.719	6.358		5.810		-		5.810			

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army

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

DATE: February 2012

PROJECT

C78: One Semi-Automated Forces (OneSAF)

Support (\$ in Millions)	,						FY 2013 Base		FY 2013 OCO				
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	5.937	0.160		0.200		-		0.200	Continuing	Continuing	Continuing
Domain Analysis	Various	Various:Various	5.175	0.200		0.250		-		0.250	Continuing	Continuing	Continuing
Architecture Engr & Tech Spt	SS/FP	MITRE FFRDC:Ft. Monmouth, NJ	3.616	0.360		0.360		-		0.360	Continuing	Continuing	Continuing
Integrated Development Environment	Various	Various:Various	1.260	1.200		1.500		-		1.500	Continuing	Continuing	Continuing
	Subtotal 15.98					2.310		-		2.310			

Test and Evaluation (\$	in Millions)		FY 2	012	FY 2 Ba			2013 CO	FY 2013 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	Various	Various:Various	7.714	0.800		0.900		-		0.900	Continuing	Continuing	Continuing
OneSAF Verification, Validation & Accreditation	Various	Various:Various	6.147	0.200		0.200		-		0.200	Continuing	Continuing	Continuing
		Subtotal	13.861	1.000		1.100		-		1.100			

	Total Prior										Target
	Years			FY 2	013	FY:	2013	FY 2013	Cost To		Value of
	Cost	FY 2	:012	Ва	se	0	co	Total	Complete	Total Cost	Contract
Project Cost Totals	159.049	11.678		11.720		-		11.720			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army

APPROPRIATION/BUDGET ACTIVITY

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

PATE: February 2012

R-1 ITEM NOMENCLATURE
PE 0604760A: Distributive Interactive
Simulations (DIS) - Eng Dev

PROJECT
C78: One Semi-Automated Forces (OneSAF)

		FY 2011		ĺ	FY 2012				FY 2013				FY 2014			FY 2015			5	FY 2016			3	FY 2017				
	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 5.0								,		,		·																
OneSAF Version Release 5.5																												
OneSAF Version Release 6.0																												
OneSAF Version Release 7.0																												
OneSAF Version Release 8.0																												
OneSAF Version Release 9.0																												
OneSAF Version Release 10.0																												

DATE: February 2012 Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army APPROPRIATION/BUDGET ACTIVITY R-1 ITEM NOMENCLATURE PROJECT 2040: Research, Development, Test & Evaluation, Army C78: One Semi-Automated Forces (OneSAF) PE 0604760A: Distributive Interactive BA 5: Development & Demonstration (SDD) Simulations (DIS) - Eng Dev

Schedule Details

	St	E	nd	
Events	Quarter	Year	Quarter	Year
OneSAF Version Release 5.0	2	2011	2	2011
OneSAF Version Release 5.5	3	2012	3	2012
OneSAF Version Release 6.0	2	2013	2	2013
OneSAF Version Release 7.0	2	2014	2	2014
OneSAF Version Release 8.0	2	2015	2	2015
OneSAF Version Release 9.0	2	2016	2	2016
OneSAF Version Release 10.0	2	2017	2	2017