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Exhibit R-2, RDT&E Budget Item 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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>							
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	72.820	60.970	123.935	-	123.935	36.095	44.532	37.427	34.807	Continuing	Continuing
323: <i>COMMON HARDWARE SYSTEMS</i>	11.718	18.295	7.918	-	7.918	7.926	17.613	6.676	4.235	Continuing	Continuing
334: <i>COMMON SOFTWARE</i>	16.120	12.735	74.744	-	74.744	0.002	0.002	0.002	0.002	Continuing	Continuing
C15: <i>MOUNTED BATTLE COMMAND ON-THE-MOVE (MBCOTM)</i>	0.304	-	-	-	-	-	-	-	-	0.000	0.304
C29: <i>CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)</i>	16.258	17.720	12.897	-	12.897	12.960	11.783	15.729	15.628	Continuing	Continuing
C34: <i>ARMY TAC C2 SYS ENG</i>	28.420	12.220	15.193	-	15.193	15.207	15.134	15.020	14.942	Continuing	Continuing
JN1: <i>JOINT NETWORK NODE (JNN) TESTING</i>	-	-	13.183	-	13.183	-	-	-	-	0.000	13.183

Note

Change Summary Explanation: FY 2012: Funds realigned to support Joint Network Node (JNN) Testing for Increment 1b technical insertion to Increment 1a for the Operational Test and funds added to Common Software (CS) for technical evaluation of previously developed software capabilities for integration into the computing environments of the Army Common Operating Environment architecture to include appropriate Mounted and Mobile Computing environments.

A. Mission Description and Budget Item Justification

The umbrella program to exploit automation technology for the conduct of combat operations is the Army Tactical Command and Control System (ATCCS) program which is a component of the Army Battle Command System (ABCS). The ATCCS program provides automation in the five battlefield functional areas (BFAs) with the following specific systems: (1) Maneuver Control System (MCS); (2) Effects and Fires Command and Control Systems (EFCCS); (3) All Source Analysis System (ASAS) for Intelligence/Electronic Warfare; (4) Forward Area Air Defense Command, Control and Intelligence System (FAADC2I); and (5) Battle Command Sustainment Support System (BCS3). To provide an overall technically sound, cost effective, and operationally responsive approach, the design and development of ATCCS must be accomplished on a total systems basis. The ATCCS Engineering Program, known as the Technical Management Division (TMD (formerly Systems Engineering and Integration (SE&I))), provides the required overall systems engineering to assure integrated Army Tactical Command and Control and the utilization of common hardware and software throughout the five ATCCS nodal systems. TMD efforts will focus on "Systems of Systems" engineering and integration for evolution of the network (Warfighter Information Network-Tactical, Joint Tactical Radio System) and associated services (Unified Battle Command, Joint Battle Command-Platform, Net-Enabled Command Capability, Network Service Center) with increased emphasis on immediate Warfighter needs as well as leveraging emerging technologies. This program element also includes the Central Technical Support Facility (CTSF) which is the Army's single strategic facility responsible for executing System of System Interoperability checkout, testing, physical system integration and configuration management of the Army's Land WarNet Baseline. The Common

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>	R-1 ITEM NOMENCLATURE PE 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>
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Hardware Systems (CHS) and the Common Software (CS) projects provide state of the art common products to customers to meet their developmental and fielding needs. The Joint Network Node (JNN) (WIN-T Increment 1) is intended to replace legacy Mobile Subscriber Equipments (MSE) while moving the Army to a unified Everything Over Internet Protocol (EOIP) Communications System. JNN Testing is the Increment 1b Technical Insertion to Increment 1a for Operational Test, which will be conducted in FY 2012 in conjunction with the Increment 2 Initial Operational Test and Evaluation. These systems support the Legacy to Objective transition path.

B. Program Change Summary (\$ in Millions)	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012 Base</u>	<u>FY 2012 OCO</u>	<u>FY 2012 Total</u>
Previous President's Budget	79.448	60.970	36.863	-	36.863
Current President's Budget	72.820	60.970	123.935	-	123.935
Total Adjustments	-6.628	-	87.072	-	87.072
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-1.765			
• Adjustments to Budget Years	-6.628	-	87.072	-	87.072
• Other Adjustments 1	-	1.765	-	-	-

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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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT 323: COMMON HARDWARE SYSTEMS			
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
323: COMMON HARDWARE SYSTEMS	11.718	18.295	7.918	-	7.918	7.926	17.613	6.676	4.235	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Common Hardware Systems (CHS) program provides state-of-the-art, fully qualified, interoperable, compatible, deployable, and survivable hardware and computer networking equipment for command, control, and communications at all echelons of command for the United States Army and other Department of Defense (DoD) services. CHS also provides worldwide repair, maintenance, logistics, and technical support through strategically located contractor-operated Regional Support Centers (RSC) for tactical military units and management of a comprehensive 5-year warranty and 72-hour turnaround for repairs.											
FY2012 funds allow CHS to continue to manage the acquisition and delivery of CHS equipment, technology insertion and common standardized testing in support of customer requirements.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Acquisition management and delivery of CHS equipment in support of customer requirements Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Management of the acquisition and delivery of CHS equipment in support of customer requirements FY 2011 Plans: Continue management of the acquisition and delivery of CHS equipment in support of customer requirements FY 2012 Plans: Will continue the management of the acquisition and delivery of CHS equipment in support of customer requirements								6.274	6.595	7.118	
								0	0		
Title: CHS equipment testing efforts Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments:								0.200	0.200	0.300	
								0	0		

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT 323: <i>COMMON HARDWARE SYSTEMS</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
Supported CHS customer testing efforts FY 2011 Plans: Will continue to Support CHS customer testing efforts FY 2012 Plans: Future CHS customer testing efforts			
Title: CHS technology insertion Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: CHS technology insertion FY 2012 Plans: Continue CHS technology insertion		0.244 0	-
Title: Non Recurring Engineering (NRE) Costs for New CHS-4 Products Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: Design, development and testing (NRE Costs) for New CHS-4 Products FY 2011 Plans: Continue with the design, development and testing (NRE Costs) for New CHS-4 Products		5.000 0	11.500 0
Accomplishments/Planned Programs Subtotals		11.718	18.295
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy The overall goal is to improve interoperability and compatibility and lower life cycle costs by standardizing battlefield command and control automation and other warfighting systems (net centric, etc) through centralized buys of modified/ruggedized non-developmental items. This project provides a coherent migration strategy for acquisition warfighting systems through the use of technology insertion.			

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT 323: <i>COMMON HARDWARE SYSTEMS</i>
<p>CHS also conducts common environmental and developmental testing of hardware items thereby reducing the testing requirements for individual Project Managers. An Indefinite Delivery/Indefinite Quantity firm fixed priced, full and open competition contract was awarded to General Dynamics in May 2003, for ruggedization and production.</p> <p>In FY11, CHS will select, evaluate and award, on a best value basis, the follow-on CHS-4 contract via full and open competition. The period of performance will be for 5 years.</p> <p><u>E. Performance Metrics</u></p> <p>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.</p>		

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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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT 323: COMMON HARDWARE SYSTEMS					
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
Support Costs	C/FP	Various:Various	61.150	3.543		3.657		-		3.657	Continuing	Continuing	Continuing
Product Development	C/FP	Various:Various	72.036	3.052		3.461		-		3.461	Continuing	Continuing	Continuing
GDC4S/CHS-3 Non-Recurring Engineering	C/FP	General Dynamics:Taunton, MA	17.500	-		-		-		-	Continuing	Continuing	Continuing
CHS-4 Non-Recurring Engineering	C/FP	Various:Various	-	11.500		-		-		-	Continuing	Continuing	Continuing
Technology Insertion	C/FP	Various:Various	14.112	-		0.500		-		0.500	Continuing	Continuing	Continuing
Subtotal			164.798	18.095		7.618		-		7.618			
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
CHS Test Activities	Various	Other Government Activities:various	1.954	0.200		0.300		-		0.300	Continuing	Continuing	Continuing
Subtotal			1.954	0.200		0.300		-		0.300			
			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			166.752	18.295		7.918		-		7.918			
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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>		PROJECT 323: <i>COMMON HARDWARE SYSTEMS</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
CHS-4 Contract Award																												
CHS-4 V1/V1+ Hardware Deliveries																												
CHS-4 V2/V3 Hardware Deliveries																												

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT 323: <i>COMMON HARDWARE SYSTEMS</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
CHS-4 Contract Award	1	2011	1	2011
CHS-4 V1/V1+ Hardware Deliveries	2	2011	2	2016
CHS-4 V2/V3 Hardware Deliveries	2	2011	2	2016

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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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT 334: COMMON SOFTWARE			
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
334: COMMON SOFTWARE	16.120	12.735	74.744	-	74.744	0.002	0.002	0.002	0.002	Continuing	Continuing
Quantity of RDT&E Articles											
Note Not applicable for this item.											
A. Mission Description and Budget Item Justification Project 334 Common Software (CS): Common Software is the program through which the Army procures, develops, integrates and tests common software products and/or components used for communication between Army Battle Command Systems (ABCS), Joint and coalition Command and Control (C2) applications. The CS project provides state-of-the-art software technologies and functionality that is used by numerous Army Battle Command Systems (ABCS) and joint systems to eliminate the need for service independent development and duplication of effort. The CS project also manages and performs technology demonstrations of emerging technologies for future use by Army C2 systems. The CS program is a cornerstone in the Army's digitization efforts. FY12 funding supports on-going development of common software solutions and the technical evaluation of previously developed software capabilities for integration into the computing environments of the Army Common Operating Environment (COE) architecture to include appropriate Mounted and Mobile Computing environments. Efforts will include assessment of software maturity and readiness, development/modification of software as necessary to integrate, integration with common computing environments, and validation.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: ABCS common software enterprise infrastructure development in support of Army and Joint Services requirements. Articles:								10.808 0	9.242 0	8.965	
Description: Funding is provided for the following effort FY 2010 Accomplishments: Worked the development, acquisition management and delivery of the ABCS common software enterprise infrastructure in support of Army and Joint Services requirements. FY 2011 Plans: Continuing the development, acquisition management and delivery of the ABCS common software enterprise infrastructure in support of Army and Joint Services requirements. FY 2012 Plans:											

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Will continue the development, acquisition management and delivery of the ABCS common software enterprise infrastructure in support of Army and Joint Services requirements.				
Title: Joint and Coalition interoperability efforts. Description: Funding is provided for the following effort FY 2010 Accomplishments: Served as the executive agent and provided software for interoperability of Joint and Coalition efforts. FY 2011 Plans: Serving as the executive agent and providing software for interoperability of Joint and Coalition efforts. FY 2012 Plans: Will continue to serve as the executive agent and provide software for interoperability of Joint and Coalition efforts.		Articles: 2.361 0	1.313 0	1.353
Title: Battle Command (BC) systems common architecture products. Description: Funding is provided for the following effort FY 2010 Accomplishments: Worked the development of the System of System (SOS) architecture for Battle Command (BC) systems. FY 2011 Plans: Continuing to develop the System of System (SOS) architecture for Battle Command (BC) systems. FY 2012 Plans: Will continue to develop the System of System (SOS) architecture for Battle Command (BC) systems.		Articles: 2.951 0	2.180 0	2.245
Title: Integration of previously developed mission command capabilities and common software solutions into the Army Common Operating Environment (COE). Description: Funding is provided for the following effort FY 2012 Plans: Technical evaluation of previously developed software capabilities for integration with the computing environments of the Army Common Operating Environment (COE) architecture to include appropriate Mounted and Mobile Computing environments. Efforts		-	-	62.181

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011	
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
will include assessment of software maturity and readiness, development/modification of software as necessary to integrate, integration with common computing environments, and validation.			
Accomplishments/Planned Programs Subtotals		16.120	12.735
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy In accordance with the United States Army Training and Doctrine Command (TRADOC) requirements document approved in 2008, entitled Battle Command Essential Capability, software capability will be developed in 2-year increments as capability sets designed to Collaborate, Collapse and Converge Battle Command products. The product development funded under this R-Form is an integral part of the ABCS, a system of systems and will be accomplished primarily under a Project Manager, Battle Command (PM BC) system of systems contract approach which consists of multiple prime contracts awarded from a single solicitation that will require each specific development task be competed among primes whenever possible. This strategy is designed to optimize opportunity for improved interoperability among the systems, to capture the benefits of competition and to ensure the rapid integration of new capability into warfighter systems. This strategy is designed to reduce the physical footprint, logistics support requirements and increase operational efficiency. The overall acquisition goal of the Common Software program is the improvement of life cycle costs by providing common products that are used horizontally across programs avoiding duplication of efforts by Army and Joint programs.			
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 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT 334: COMMON SOFTWARE					
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 Office Management	Various	PM Battle Command:Various	6.998	0.725		0.747		-		0.747	Continuing	Continuing	0.000
Subtotal			6.998	0.725		0.747		-		0.747			0.000
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
Matrix Support of CS Lab, Data Access	Various	CECOM:various	1.853	-		-		-		-	Continuing	Continuing	0.000
Engineering/Software Development	Various	Various Contractors / Various Locations:Various	97.899	8.045		7.721		-		7.721	Continuing	Continuing	0.000
ABCS System Engineering & Integration	Various	PEO C3T:Various	0.210	-		-		-		-	Continuing	Continuing	0.000
ABCS/Army System Engineering & Integration	Various	Various Contractors / Various Locations:Various	2.858	0.850		0.816		-		0.816	Continuing	Continuing	0.000
Battle Command System of Systems Architecture Development	Various	Various Contractors / Various Locations:Various	8.797	1.480		1.421		-		1.421	Continuing	Continuing	0.000
Digital System Engineers	Various	Mantech:various	14.400	-		-		-		-	Continuing	Continuing	0.000
3D Display Technology	Various	Concurrent Technology Corp.,:various	9.083	-		-		-		-	Continuing	Continuing	0.000
IDM-T Engineering Support	Various	GSA Contractors:various	2.000	-		-		-		-	Continuing	Continuing	0.000
DISA Support for COE	Various	DISA:various	1.486	-		-		-		-	Continuing	Continuing	0.000
Evaluation, modification, validation and integration of developed SW	Various	Various:Various	-	-		62.181		-		62.181	Continuing	Continuing	0.000
Subtotal			138.586	10.375		72.139		-		72.139			0.000

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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
Program Support	Various	PM Battle Command:Various	6.000	0.350		0.567		-		0.567	Continuing	Continuing	0.000
Technical Support	Various	Various Contractors / Various Locations:Various	1.588	0.185		0.191		-		0.191	Continuing	Continuing	0.000
Subtotal			7.588	0.535		0.758		-		0.758			0.000

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
Developmental Test	Various	Various Contractors/ Various locations:Various	3.797	1.100		1.100		-		1.100	Continuing	Continuing	0.000
Subtotal			3.797	1.100		1.100		-		1.100			0.000

	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	156.969	12.735		74.744		-		74.744			0.000

Remarks

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Exhibit R-4, RDT&E Schedule Profile: 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 0604818A: Army Tactical Command & Control Hardware & Software								PROJECT 334: COMMON SOFTWARE			

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT 334: <i>COMMON SOFTWARE</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Common Software Capability Set 13-14 Development	2	2010	1	2012
Assess previously developed SW, modification, validation & integration	4	2011	3	2012

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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
C15: MOUNTED BATTLE COMMAND ON-THE-MOVE (MBCOTM)	0.304	-	-	-	-	-	-	-	-	0.000	0.304
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
The Mounted Battle Command On The Move System (MBCOTM) is a Command, Control, Computers, Communications, Intelligence (C4I) mission equipment package (B Kit) integrated onto Bradley, Stryker and Mine Resistant Ambush Protected (MRAP) platforms which allows commanders to move to the decisive point on the battlefield. The focus of MBCOTM is to facilitate commander execution of net centric operations versus command post centric operations. MBCOTM provides the battlefield Commander situational awareness in the form of a digital common operational picture, enabling a Commander to maintain situational understanding while On The Move and when physically separated from the fixed Command Post performing Battlefield circulation. MBCOTM supports the mission area command and control by integrating network and SATCOM enablers to include components resident in the WIN-T Increment 2 architecture, as well as a number of Battelfield Automated Systems including Command Post of the Future (CPoF).											
MBCOTM program is being terminated as a result of competing fiscal priorities during the development of the FY 2011 President's Budget. The termination plan has been signed by Program Executive Office for Command, Control and Communications - Tactical (PEO C3T) and is currently at Headquarters, Department of the Army (HQ DA).											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: System Development/Tech Upgrades Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: FY 2010 funding for the system development/tech upgrades is primarily test support.									0.304	-	-
									0		
									Accomplishments/Planned Programs Subtotals		

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT C15: <i>MOUNTED BATTLE COMMAND ON-THE-MOVE (MBCOTM)</i>
C. Other Program Funding Summary (\$ in Millions) N/A		
D. Acquisition Strategy The CAMC2 contract was awarded to Lockheed Martin on 08 Feb 08 and subsequently terminated for convenience on 22 Jul 08. The MBCOTM FY09 RDT&E is primarily for MRAP and Stryker A-Kit design/development, complete level III drawing packages, platform test and log product development. The FY10 effort was primarily test purposes.		
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-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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)			
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
C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)	16.258	17.720	12.897	-	12.897	12.960	11.783	15.729	15.628	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Project C29 - Centralized Technical Support Facility: The Central Technical Support Facility (CTSF) located at FT Hood, Texas, is the Army's premier test, integration, and certification facility for interoperability and net-worthiness. It is the Army's strategic facility responsible for conducting system engineering associated with integrating Army Battle Command System (ABCS) Weapon System architectures into a System of Systems, performing Army Interoperability Certification (AIC) testing and configuration management for all operational and tactical level applications (individual systems, System of Systems, and families of systems) prior to fielding. The CTSF provides validated test data to the Department of the Army and Joint agencies to validate interoperability and net-worthiness certifications. The current expansion of the distributed test environment of the CTSF will be accomplished through the Federation of Net-centric Sites (FaNS) construct. This FaNS construct addresses distributed integration development and testing using the core infrastructure of the CTSF to harness AMC, Army, and Joint expertise/resources. Through these federated resources, the CTSF will execute interoperability development and certification testing of the Warfighter and Business mission areas, to include Brigade Combat Team Modernization spin-outs, as they digitize and become part of the Army's LandWarNet.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Army Interoperability Certification (AIC) Testing Articles: Description: Conduct Army Interoperability Certification testing/planning/procedures/ reporting, interoperability baseline testing, simulation/stimulation validation and distributed testing. Manage the set-up, configuration, integration, and operations and maintenance of the LandWarNet systems on the test floors as the CIO/G-6's Test Agent for Program Managers of LandWarNet systems that need to deliver software updates for fielding to the Warfighter. Report the results of Army Interoperability Certification Tests to the CIO/G-6, PM, and TRADOC to support updates to the G-3 managed baseline. FY 2010 Accomplishments: Conducted SWB 2+ Tri-Annual testing and CS 11-12 Certification testing; conducted backward compatibility testing for previous baselines. Provided support to AETF/FFID. FY 2011 Plans: Continue SWB2+ Tri-Annual testing, conduct CS 11-12 Tri-Annual testing, and CS 13-14 baseline AIC test planning, test case development, test floor architecture set-up, test tools, and test execution; tests include the Joint Capabilities Release (JCR), Joint Battle Command Platform (JCB-P), Joint AGILE Fire and the Distributed Common Ground System-Mobile Basic, new systems. Coordinate with PEO C3T Crypto Network Initialization and test the go-to-war Data Products. Incorporate Host Based Security								3.865	2.150	6.735	
								0	0		

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
System in the test architecture for AIC testing to meet Army tactical deployment IAW G-3 fielding. Support CIO/G-6 and TRADOC in developing new test methodology to assess interoperability as systems transition to the implementation of the Common Operating Environment (COE). Update test tools to collect data in support of the COE. Serve as the Army component in Joint and Coalition testing to support the Joint Interoperability Test Command in development of tactics, techniques, and procedures. Become the hub for Network Integration testing by facilitating distributed testing in a system of system architecture. FY 2012 Plans: Assumption: SWB1 is no longer fielded; testing of SWB1 is no longer required; SWB2 is fielded in limited quantities. Continue CS 11-12 Tri-Annual test planning, test case development, test floor architecture set-up, test tools, and test execution; conduct CS 13-14 testing/evaluation and certification; begin CS 15-16 test planning. Continue JCR, JBC-P, and JT AGILE Fire tests; continue to coordinate with PEO C3T Crypto Network Initialization and test the go-to-war Data Products. Support CIO/G-6 and TRADOC in developing new test methodology to assess interoperability as systems transition to the implementation of the Common Operating Environment (COE). Update test tools to collect data in support of the COE. Serve as the Army component in Joint and Coalition testing to support the Joint Interoperability Test Command in development of tactics, techniques, and procedures. Become the hub for Network Integration testing by facilitating distributed testing in a system of system architecture.				
Title: System of Systems Integration(SoSI)/Enterprise Integration and Validation Infrastructure (EIVI) Articles: Description: Continue systems engineering of foundation/data products, software validation/verification, network engineering, integration labs, information assurance. FY 2010 Accomplishments: Supported material developer for Battle Command Marshall/Capability Set 11/12 integration. Provided support for C4ISR on the move event, SOSCOE, GMR, CENTRIXS, and Korea cross domain solution. Identified and incorporated software tools to monitor software performance and assist in issue resolution. Provided 326 data product validations. Provided 87 software patch validations. Provided network support for integration and test floors. Provided network support to 29 unit exercises at NTC(Ft Irwin), JRTC (Ft Polk), JMRC (Germany). FY 2011 Plans: Support to material developer for CS 13-14 integration. Support to backward compatibility testing between SWB2 and CS 11-12. Identify and incorporate software tools to monitor performance and assist in issue resolution. Integrate and implement HBSS technology. Conduct integration and testing of Afghan Mission Network providing configuration, architecture design, and test case generation; extend integration and test architectures to include Program of Record (POR) and non-POR radio communications devices to provide MatDev testing in realistic environments; use DREN to provide CTSF test support to PEO-I and WSMR for		2.225 0	4.702 0	3.540

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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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
sensor and platform level for validation of end-to-end communications and interoperability, platform through Army Corps to Joint/Coalition. Data product and software patch validation; network support for integration and test floors; network support to fielded units upon request. FY 2012 Plans: Support to material developer for CS 13-14 integration and testing. Support to backward compatibility testing between CS 11-12 and CS 13-14. Identify and incorporate software tools to monitor performance and assist in issue resolution. Integrate and implement HBSS technology. Conduct integration and testing of Afghan Mission Network providing configuration, architecture design, and test case generation; extend integration and test architectures to include Program of Record (POR) and non-POR radio communications devices to provide MatDev testing in realistic environments; use DREN to provide CTSF test support to PEO-I and WSMR for sensor and platform level for validation of end-to-end communications and interoperability, platform through Army Corps to Joint/Coalition. Data product and software patch validation; network support for integration and test floors; network support to fielded units upon request.				
Title: Facilities, Site Operations and Maintenance Articles: Description: Maintain 250,000 square foot facility, with 41,305 square feet dedicated to Army Integration Certification (AIC) testing and systems engineering. FY 2010 Accomplishments: Continued to provide infrastructure support for 250,000 square foot facility and 41,305 square feet dedicated to AIC testing floors and integration labs. FY 2011 Plans: Continue to provide infrastructure support for 250,000 square foot facility and 41,305 square feet dedicated to AIC testing floors and integration labs. FY12 and beyond, this effort will be apportioned and allocated to mission areas AIC Test, EIVI, CM and Program Office.		3.559 0	4.148 0	-
Title: Management Operations/Program Office Articles: Description: Provide management operations consisting of programming and executing funds, personnel, contracts, and identifying reimbursable tests and allocating/collecting appropriate funds. FY 2010 Accomplishments:		2.558 0	2.599 0	1.416

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>		PROJECT C29: <i>CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
<p>Programed and executed funds/manpower/contracting requirements; tracked testing schedule, prepared/coordinated/tracked reimbursements for tests. CS 11-12, SWB 1+, and SWB 2 AIC testing. HBSS, C4ISR OTM, Joint, Coalition, and AGILE Fire Integration. Field Support Coordination for unit training and exercises.</p> <p>FY 2011 Plans: Program and execute funds/manpower/contracting requirements; track testing schedule, prepare/coordinate/track reimbursements for tests; SWB2 Tri-Annual testing; CS 11-12 AIC testing; CS 13-14, Joint, Coalition, AETF/WSMR, SOSCOE, and future systems integration; field support coordination for unit training and exercises.</p> <p>FY 2012 Plans: Program and execute funds/manpower/contracting requirements; track testing schedule, prepare/coordinate/track reimbursements for tests; CS 11-12 Tri-Annual; CS 13-14 AIC testing; Joint, Coalition, AETF/WSMR, SOSCOE, and future systems integration; field support coordination for unit training and exercises.</p>					
<p>Title: Configuration Management</p> <p align="right">Articles:</p> <p>Description: Verify configuration, prior to test, of Program/Product Manager delivered software; control configuration during Program Manager tests of approved Warfighter baselines; maintain configuration integrity of certification test environment; maintain configuration management of certification baselines for HQ/DA CIO/G6 and the LandWarNet/Battle Command baseline for HQ/DA G3/5/7; disseminate approved software to deployed/deploying units.</p> <p>FY 2010 Accomplishments: Verified software configurations prior to test, controlled configurations during test, and maintained baselines for HQDA CIO/G6 and LandWarNet/BC baselines for HQDA G3/5/7; disseminated software to deployed/deploying units; initiated enhancements to Configuration Management Tracking Tool Version 3 (CMTSv3) to incorporate ASA (ALT), CTSF, G3 Baseline tracking for Army Interoperability Certification of Systems Under Test; began updating tool for automation of Army Interoperable Fielded Baseline (CE)and Army LandWarNet/Battle Command Baseline (OE) output reports; enhanced MATDEV/PM/SO output support report; began to integrate Micro Stag Reporting Tool into CMTSv3.</p> <p>FY 2011 Plans: Verify software configurations prior to test, control configurations during test, and maintain baselines for HQ/DA CIO g6 and LandWarNet/BC baselines for HQ/DA G3/5/7; disseminate software to deploying/deployed units. Initiate enhancements to Configuration Management Tracking Tool Version 3 (CMTSv3) to incorporate ASA(ALT), CTSF, G3 baseline tracking for Army Interoperability Certification of Systems Under Test; continue updating tool for automation of Army Interoperable Fielded Baseline</p>			1.321 0	1.342 0	1.206

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
(CE) and Army LandWarNet/BC Baseline (OE) output reports; enhance MATDEV/PM/SO output support report; continue to integrate Micro Stag Reporting Tool into CMTSv3. FY 2012 Plans: Verify software configurations prior to test, control certification during test, and maintain baselines for HQ/DA CIO/G6 and LandWarNet baselines for HQ/DA G3/5/7; sustain Configuration Management Tracking Tool Version 3 (CMTSv3) to incorporate CTSF Baseline tracking for Army Interoperability Certification of Systems Under test.				
Title: Information Technology (IT) Infrastructure Description: Provide unique IT infrastructure networks connections to include DISN, SIPRNET, NIPRNET, GUARDNET to support internal and distributed AIC testing. FY 2010 Accomplishments: Provided unique IT infrastructure network connections to include NIPRNET, SIPRNET, DREN, SDREN, CFBLNet, CENTRIXS and internal testing network infrastructure to support internal and external AIC, early integration testing and PM support. Provided upgraded VIOP capabilities to the Campus. Continued software development for mission applications to include Business Intelligence Tools, Resource loaded scheduling, and test gathering tools. Provided data management/backup support for all core mission data. Provided life cycle management of hardware assets. Provided Information Assurance compliance for the Campus. FY 2011 Plans: Provide unique network configurations and support for the CTSF COOP facility. Provide unique IT infrastructure network connections to include NIPRNET, SIPRNET, DREN, SDREN, CFBLNet, CENTRIXS and internal testing network infrastructure to support internal and external AIC, early integration testing and PM support. Provide accreditation and certification support for the testing facility in order to maintain an Authority to Connect, including CFBLNet. Continue support of DoD 8570.1-M to maintain a trained and certified workforce. Continue software development for mission applications to include Business Intelligence Tools, resource loaded scheduling, test gathering tools and Army software baseline tools. Provide data management/backup support for all core mission data. Provide life cycle management of hardware assets. Provide Information Assurance compliance for the Campus. FY12 and beyond, this effort will be apportioned and allocated to mission areas AIC Test, EIVI, CM and Program Office.		Articles: 2.107 0	2.146 0	-
Title: Logistics Support Articles:		0.623 0	0.633 0	-

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army		DATE: February 2011	
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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
<p>Description: Received/controlled/distributed/tracked Program/Product Manager (PM) test assets; maintained/repaired/replaced/upgraded test floor; procured test equipment.</p> <p>FY 2010 Accomplishments: Receive/control/distribute/track Program/Product Manager (PM) test assets; maintain/repair/replace/upgrade test floor; procure test equipment.</p> <p>FY 2011 Plans: Receive/control/distribute/track Program/Product Manager (PM) test assets; maintain/repair/replace/upgrade test floor; procure test equipment. FY12 and beyond, this effort will be apportioned and allocated to mission areas AIC Test, EIVI, CM and Program Office.</p>			
Accomplishments/Planned Programs Subtotals		16.258	17.720
C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
<p>Execute system of systems interoperability integration and testing through the use of Government and Systems Engineering and Technical Analysis (SETA) contract personnel experienced in product development and interoperability testing. Integration and testing occurs in a cyclical fashion, with an expectation of an annual Software Block/Capability Set test followed with cyclical test events (Tri-Annual Tests) to ensure integrity of software baselines to the Warfighter. Enterprise Integration and Validation engineering provides strategic integration of software into a system of systems/family of systems environment to support interoperability testing. Establish and maintain Configuration Management and version control of the Army's Interoperable Battle Command LandWarNet Baseline. Further expand distributed integration and testing capability using local assets and leveraging other federated test facilities to create synergy and realize efficiencies.</p>			
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 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)
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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
MITRE Corp (System of System Integration & Validation)	FFRDC	SoS Integration:Fort Hood, TX/Eatontown, NJ	9.662	1.755		1.884		-		1.884	Continuing	Continuing	Continuing
CACI (JB Mgt)	C/CPAF	SoS Integration:Fort Hood, TX	2.026	1.785		-		-		-	Continuing	Continuing	0.000
CECOM R2	C/CPFF	Enterprise Integration & Validation Infrastructure:Fort Hood, TX	-	-		0.736		-		0.736	Continuing	Continuing	Continuing
CECOM/SEC Matrix	MIPR	CM and IT/IA:Fort Hood, TX	-	0.420		-		-		-	Continuing	Continuing	0.000
In-House	Allot	Sos Integration:Fort Hood, TX	-	0.272		1.160		-		1.160	Continuing	Continuing	Continuing
Subtotal			11.688	4.232		3.780		-		3.780			

Remarks

In March 2011, the CACI(JB Mgmt) contract for System of Systems Integration will transition to CECOM R2 G3 contract vehicle.
NOTE: Line for CACI (JB Mgt) above, FY11 Cost, 1785 and Award Date, 3Q must be re-entered. Data was lost when the line was inadvertently deleted. Unable to reconstruct due to FY11 Lock. Addition of 1785 will then balance FY Total at 17,720.

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
CECOM Matrix	MIPR	Test, Configuration Management, IT Support:Fort Hood, TX/Aberdeen Proving Grounds, MD	1.619	0.304		0.311		-		0.311	Continuing	Continuing	Continuing
In-House Support	Allot	Management Operations, Logistics Support:Fort Hood, TX	2.688	1.818		1.355		-		1.355	Continuing	Continuing	Continuing
Supplies/Equipment	C/UCA		-	-		0.298		-		0.298	Continuing	Continuing	Continuing

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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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)					
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
		Test, EIVI, CM and Program Office Support:Fort Hood, TX/Aberdeen Proving Ground, MD											
Subtotal			4.307	2.122		1.964		-		1.964			
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
ELECTRONIC PROVING GROUNDS (EPG)/ManTech (Test)	C/CPAF	Test:Fort Hood, TX	17.122	1.254		-		-		-	Continuing	Continuing	0.000
CAMBER (Test/Config Mgmt/ Operations)	C/CPAF	Test, Configuration Management, Operations:Fort Hood, TX	5.884	2.197		-		-		-	Continuing	Continuing	0.000
CSC/MANTECH (Direct Labor)	C/CPFF	Facilities, Site Operations, Maintenance:Fort Hood, TX	3.350	3.772		-		-		-	Continuing	Continuing	0.000
CSC (Test/System Engineering)	C/CPAF	Test:Fort Hood, TX	2.018	1.748		-		-		-	0.000	3.766	0.000
ILEX (Test/Config Mgmt)	C/CPAF	Test, Configuration Management:Fort Hood, TX	0.608	0.518		-		-		-	0.000	1.126	0.000
CECOM R2	C/CPFF	Test, Configuration Management:Fort Hood, TX	-	-		1.471		-		1.471	Continuing	Continuing	Continuing
CECOM S3	C/CPFF	Facilities, Maintenance, Security:Fort Hood, TX	-	-		1.965		-		1.965	Continuing	Continuing	Continuing
Instrumentation	C/UCA		-	-		0.801		-		0.801	0.000	0.801	0.000

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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 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT C29: CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)					
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
		Test Equipment Infrastructure:Fort Hood, TX											
EPG Matrix	MIPR	Test:Fort Hood, TX	-	0.907		1.510		-		1.510	Continuing	Continuing	Continuing
ISSA	MIPR	Test:Fort Hood, TX	1.085	0.720		0.838		-		0.838	Continuing	Continuing	Continuing
In-House Support	Allot	Test:Fort Hood, TX	-	0.250		0.568		-		0.568	Continuing	Continuing	Continuing
Subtotal			30.067	11.366		7.153		-		7.153			
Remarks In March 2011, EPG/ManTech, Camber, CSC, and ILEX contracts will transition to CECOM R2 contract and will provide Test and Configuration Management functions. Also in March 2011, CSC/ManTech contract will transition to CECOM S3 and will provide Site Support/Facilities, Maintenance, and Security functions.													
			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			46.062	17.720		12.897		-		12.897			
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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>		PROJECT C29: <i>CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)</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
Capability Set 13-14																												
--FBCB2 JCR 1.2 (NOC Specific)																												
--FBCB2 JCR 1.3																												
--JBCP 1.0																												
--WINT-T Inc 1b																												
--WIN-T Inc 2																												
--WIN-T Inc 3																												
--WIN-T Inc 4																												

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT C29: <i>CENTRALIZED TECHNICAL SUPPORT FACILITY (CTSF)</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Capability Set 13-14	1	2011	3	2015
--FBCB2 JCR 1.2 (NOC Specific)	3	2010	2	2013
--FBCB2 JCR 1.3	2	2011	2	2012
--JBCP 1.0	2	2011	3	2012
--WINT-T Inc 1b	1	2010	3	2010
--WIN-T Inc 2	1	2011	2	2011
--WIN-T Inc 3	3	2012	1	2013
--WIN-T Inc 4	3	2013	2	2014

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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
C34: ARMY TAC C2 SYS ENG	28.420	12.220	15.193	-	15.193	15.207	15.134	15.020	14.942	Continuing	Continuing
Quantity of RDT&E Articles											
Note Not applicable for this item.											
A. Mission Description and Budget Item Justification Project DC34 - Army Tactical Command and Control Systems (ATCCS) Engineering, which is also referred to as the Technical Management Division (TMD) (formerly Systems Engineering and Integration (SE&I)): Effectively manage the engineering, Enterprise and Integration efforts within the PEO C3T portfolio of technology and across the capability enhancement packages to deliver efficient and effective cross-domain technical solutions. TMD provides SoS test infrastructure and tools, Joint Command and Control (C2) convergence, and SE documentation ensure C3T technical capabilities are defined, engineered, and integrated. Additionally, TMD synchronizes the integration of many HQDA initiatives impacting warfighters across the Army and assesses potential solutions (Program of Record (POR)/non-POR) to add more operational agility and capabilities to the warfight. In FY 2011, this effort supports the operational engagement and technical coordination between Army Expeditionary Task Force (AETF), Unit, PMs, and PEOs to field and integrate all the latest capabilities to the Brigade Combat team; the technical analysis supporting the Army's Common Operating Environment (COE) Assessment and implementation; an integrated test strategy, certification process, and integration efforts across the C3T portfolio of systems; Operational implementation of enterprise framework, tactical HBSS and AD tests/implementations/integration; development of capability set SoS architectures; server consolidation; integration of transport waveforms and development of Command Post and integrated Network Architectures. In FY 2012, this effort supports working Army Network Modernization strategy and implementation to include: network integration; emerging technologies; coordination of network services; current and force integrated C5ISR network/transport architectures; integrated developmental, technical, and operational test schedules/documentation; and the tactical assessment and execution of the enterprise implementation and framework. Footnote: Decrement was applied against incorrect projects. The data base will be corrected in the next version.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Continue Army Tactical Battle Command and Network Synchronization and Integration Support								0.750	0.760	1.280	
Articles:								0	0		
Description: .											
FY 2010 Accomplishments: Ensured synchronization and backwards capability of all Army battle command platforms across all BCT's while deploying upgraded technologies to enhance commander's C2 and warfighter effectiveness.											
FY 2011 Plans:											

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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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C34: ARMY TAC C2 SYS ENG		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Develop cohesive infrastructure server; service architecture; and operating environment(s) synchronization to support efficiencies through the enterprise and coordinate associated integrated technical support activities across the operational battlefield to support these architectures. FY 2012 Plans: Continue the support of current force and the development of future force C5ISR across the tactical network to ensure all programs are synchronized and redundancies and overlapping capabilities are reduced.				
Title: Continue Developmental Testing & Integration Testing between PORs and platforms / CPs to execute SoS and Interoperability Articles: Description: . FY 2010 Accomplishments: Developed CS 11/12 readiness review consisting of an integrated software/hardware delivery from PM BC (BC Marshall) and PM FBCB2 (JCR) which provided for: Global BC data management and Simplification and reduction of system initialization. FY 2011 Plans: Execute pre-interoperability and risk reduction testing across the ABCS and C2 Army portfolio and provide venue for the developmental test-fix-test environment for CS 15/16 and out. FY 2012 Plans: Develop strategies and SoS frameworks to extend the current platform capabilities to the dismounted soldier. Develop execution plan for the integration of future Joint/Coalition capability requirements.		3.950 0	0.760 0	1.654
Title: Manages Unit Set Fielding of ABCS Articles: Description: . FY 2010 Accomplishments: PEO C3T RMD office planned/plans and implemented/implements the Fielding and Training of Battle Command and Networking Capabilities to Army units in the Army Force Generation Process. C3T RMD synchronized and continues to synchronize these efforts across the Army's tactical information technology spectrum for approximately 80-100 brigade sized elements per year through either initial training and fielding, or as an upgrade during the reset process. FY 2011 Plans:		1.400 0	1.050 0	-

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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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C34: ARMY TAC C2 SYS ENG		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
PEO C3T RMD office plans and implements the Fielding and Training of Battle Command and Networking Capabilities to Army units in the Army Force Generation Process. C3T RMD will synchronize these efforts across the Army's tactical information technology spectrum for approximately 80-100 brigade sized elements per year through either initial training and fielding, or as an upgrade during the reset process.				
Title: Continue Tactical Network Engineering Description: . FY 2010 Accomplishments: Planned and executed the Combined Enterprise Regional Information Exchange System (CENTRIXS)-ISAF(CXI) network at the request of CENTCOM J6 Theater Network Engineering (TNE) and J6 Strategic Projects Office (SPO).Migrated PEO systems to CENTRIX; Provided CX-I network enclaves; assisted with CX-I Information Assurance IP, and routing strategies; designed Afghan Mission Network(AMN) Full Motion Video ingestion and distribution architecture; and Implemented CX-I High-Demand and Large File distribution capability. FY 2011 Plans: Validate ability to maneuver battle command services across the Enterprise and support Army Common Operating Environement (s) framework and implementation. FY 2012 Plans: Effective engineering strategies to integrate tactical applications for use across the enterprise network .		Articles: 1.300 0	1.000 0	1.243
Title: Conduct and Support System Interoperability Engineering and Development of SoS Architectural Products Description: . FY 2010 Accomplishments: Supported and integrated efforts across the network, Battle Command, and PEO C3T portfolio. Developed SoS architecture for Capability Sets (CS) 11/12 and assessing network performance at Central Training Centers (CTC). FY 2011 Plans:		Articles: 2.701 0	0.340 0	2.790

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>		PROJECT C34: <i>ARMY TAC C2 SYS ENG</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
Develop internal PEO C3T data collection reduction and analysis capability to assist in identifying potential network issues early in the systems development of new technologies. Develop a single documented process for SoS architectures for CS 13/14 and beyond. FY 2012 Plans: Continue to support the assessment of Emerging Technologies, identification of critical integrated test points, developmental testing at integration points, architectural data process/tool kits , and transition of Network capabilities to the warfighter.					
Title: Continue Exploring State of the Art Technology Insertion in Support of the ABCS Program and Army Networks Description: . FY 2010 Accomplishments: PEO C3T validated the experimental victory architecture on the STRYKER platform and delivered the Experimental Architecture Document and Victory Standards Development Plan. It completed 25+ change proposals by the Standards Body released in 0.5 Experimental Specification and with PM MRAP, developed both the validation plan to implement the 0.5 Experimental Specification on the MRAP Platform and the out-brief to the Standards Body at the quarterly Face to Face Meeting. FY 2011 Plans: Complete development, documentation and validation of the the Proposed 1.0 Standards (the initial deployable product) and corresponding architectures and develop an execution plan for two independent implementations of the Proposed 1.0 Standards . Finalize the governance structure for VICTORY by the senior leaders and support various vehicle programs converging towards VICTORY compatibility and compliance. Continue Standards Body to further refine the proposed standards document.			Articles: 3.000 0	2.000 0	-
Title: Continue Development and Implementation of Tactical Information Assurance Description: . FY 2010 Accomplishments: The IA Team supports the Security Data and Log Management (SDLM) working group lead under the Army Office of Information Assurance, and Compliance (OIA&C). The objective of the working group is to provide requirements, architecture, and technical solutions for Army incident response, log management, security event rollup, and archiving. Leads bi-weekly meetings to address ongoing architectural and political issues relative to the Host Based Security System (HBSS) effort; leads the development of HBSS policies; and provides input to the execution of the NETCOM HBSS tactical pilot. Participant in the Army PKI working			Articles: 0.500 0	0.320 0	0.600

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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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C34: ARMY TAC C2 SYS ENG		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
group to formulate tactical implementation and to articulate requirements of PEO C3T programs and supports ongoing information assurance efforts and architecture development. FY 2011 Plans: Continue to support the Security Data and Log Management (SDLM) working group lead under the Army Office of Information Assurance, and Compliance (OIA&C) by providing requirements, architecture, and technical solutions for Army incident response, log management, security event rollup, and archiving. Manage and execute HBSS Pilot test for the Army and develop execution and implementation of HBSS for the Army. FY 2012 Plans: Continue to support the Security Data and Log Management (SDLM) working group lead under the Army Office of Information Assurance, and Compliance (OIA&C) by providing requirements, architecture, and technical solutions for Army incident response, log management, security event rollup, and archiving. Aid in the documentation of future Army Security and Data Log Management requirements. Participation in Phase IIb and III of the Tactical PKI Pilot. Coordinate with PM offices for the implementation of PK Enablement.				
Title: Continue System of Systems Development Articles:		2.983 0	3.000 0	4.967
Description: . FY 2010 Accomplishments: Facilitates the SoS E&I synchronization between PEO C3T programs and external entities and stakeholders such as TRADOC, FORSCOM, ASA (ALT), COCOMS, NETCOM, CIO-G6, G2, G3/5/7 and other DoD Agencies for all system of system issues and ONS. The Tier 3 SEIPT will also act as an adjudication board of emerging and existing requirements to assist, identify, and eliminate redundancies and conflicting requirements. Supports Key PEO C3T Initiatives (e.g. CS 13/14) and specific PM Configuration requirements and standardization. Provides technical oversight for theatre originated missions that involve multiple PM systems, coordinating with external entities as required. Documents the PEO C3T SoS architecture from the transport and aerial layer through the application layer and provide quarterly updates to this documentation. FY 2011 Plans: Assure the PEO C3T SoS technical capabilities delivered in support of the Army Capability Set Management Process and in support of current operations (OEF-focused) are defined, engineered, and integrated within the PEO and across the Army Enterprise. Provide Army SoS engineering on major HQDA capability initiatives that impact the tactical warfighter. Assess potential C3 solutions to break down functional stove-pipes, accommodate non-POR opportunities, and add a new level of				

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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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT C34: ARMY TAC C2 SYS ENG		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
operational agility in support of the warfighter. Deliberate SoS Engineering and Integration; Current Ops SoS Engineering and Integration; Enterprise SoS Engineering; Rapid Technology Insertion; PEO C3T Strategic Initiatives. FY 2012 Plans: Continue to effectively manage overall Systems of Systems (SoS) Engineering, Enterprise, and Integration efforts for the PEO C3T portfolio of technology and capability enhancement programs.				
Title: System of Systems Engineering and Integration Evolution of the Network Description: . FY 2010 Accomplishments: Deliver technical support for SoS Engineering and Integration of PEO C3T capabilities with Joint/Coalition partners in the OND/ OEF theatre architectures. FY 2011 Plans: Engage and influence G3 on CS development, G6 on Line Of Efforts, ASAALT SoS SE on cross-Army capability engineering, and PEO Integration on formation-specific technical integration. Based on CS 11/12 lessons learned, revise and implement cross-PEO SoS Engineering and Integration processes for CS 13/14 to assure successful development, integration, test, and fielding. FY 2012 Plans: Develop streamlined processes to support ASA(ALT) SoS SE group, VE, and Lean Six Sigma across all PEO C3T capabilities to include Joint/Coalition partners and the current fight.		Articles: 5.277 0	2.990 0	2.659
Title: Initiate Wireless Network after Next (WNaN)Technology Experimentation Description: The WNaN program is developing an advanced wireless radio platform based on commercial components and adaptive network technologies that enable WNaN to self-form adaptive ad-hoc networks. WNaN 4 channel hand-held radio is designed for company level application, with focus on fire teams (Rifleman). FY 2010 Accomplishments: PEO C3T SPO has began its coordinated efforts to implement Army field trials and user evaluation; this information will used to develop report to VCSA with transition and acquisition recommendations (est. March 11). PEO C3T SPO preliminary analysis of WNaN at Ft Devens indicates that the WNaN Radio was able to support 50+ nodes while maintaining a substantial traffic load (with peak periods of several hundreds of Kilobits per second); support voice communication with 90% or greater completion rate majority of the time. Team is working with CERDEC, NSA, CIO/G6, DARPA and vendors to develop and implement a TYPE II		Articles: 6.559 0	-	-

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT C34: <i>ARMY TAC C2 SYS ENG</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
WNaN Radio for delivery by FEB 11. NSA provided the TYPE II requirements that WNaN must meet. July 2010 PEO C3T field assessment at Ft Devens; first Army field assessment at radio. August 2010 WNaN IPT Decision Point 1 (Go/No Go for Army field experiment. Decision by Army IPT chaired by ASA (ALT). Decision based on results of PEO C3T and EPG integration test results.Army Field Experiment as designated in MOA. Conducted at Ft Benning utilizing Army EXFOR (Company Slice), Experiment conducted by Maneuver Battle Lab and supported by PEO C3T, (Sep10) Completion of Internal WNaN evaluation report (Feb 11); PEO C3T Army Staff Briefings and report to VCSA (March 11).			
Accomplishments/Planned Programs Subtotals		28.420	12.220
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy This project provides the technical and programmatic disciplines required for systems engineering and integration, experimentation, acquisition management, testing, interoperability, support to fielding and sustainment to ensure an interoperable and affordable Army Tactical Command and Control Systems (ATCCS). Fiscal Year 2011 will focus on "Systems of Systems" System Engineering and Integration for the tactical network with increased emphasis on immediate Warfighter needs as well as leveraging emerging technologies, through the G3 LandWarNet Capability Set Development and Integration. Fiscal Year 2012 will focus on working the Army Network Modernization strategy and implementation to include: emerging technologies; coordination of network services; current and force integrated C5ISR network/transport architectures; integrated developmental, technical, and operational test schedules/documentation; and the tactical assessment and execution of the enterprise framework.			
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 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0604818A: Army Tactical Command & Control Hardware & Software				PROJECT C34: ARMY TAC C2 SYS ENG					
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
Emerging Technologies	SS/FP	Northrop Grumman:Fort Monmouth, NJ/Fort Hood, TX	16.277	0.774		0.797		-		0.797	Continuing	Continuing	Continuing
IDA	SS/FP	IDA:Fort Monmouth, NJ	1.724	-		-		-		-	Continuing	Continuing	Continuing
CSC	SS/FP	Fort Monmouth, NJ/Fort Hood, TX:APG	43.780	0.940		1.259		-		1.259	Continuing	Continuing	Continuing
(Direct Labor)	SS/FP	MANTECH:Fort Monmouth, NJ/Fort Hood, TX	6.496	-		-		-		-	Continuing	Continuing	Continuing
Architecture Integration	C/FP	Sensor Technologies Inc.:various	0.970	1.796		1.850		-		1.850	Continuing	Continuing	Continuing
SYTEX	SS/FP	various:various	0.680	-		-		-		-	Continuing	Continuing	Continuing
(Config Mgt/)	SS/FP	CAMBER:Fort Hood, TX	1.788	-		-		-		-	Continuing	Continuing	Continuing
Systems Engineering Support	SS/FP	LOCKHEED MARTIN:Eatontown, NJ	7.278	0.275		0.284		-		0.284	Continuing	Continuing	Continuing
ATSC	SS/FP	various:various	1.850	-		-		-		-	Continuing	Continuing	Continuing
TBD	SS/FP	TBD:TBD	3.500	-		-		-		-	Continuing	Continuing	Continuing
(Labor and Equipment)	SS/FP	GTE:Fort Hood, TX	2.281	-		-		-		-	Continuing	Continuing	Continuing
Misc Contracts	SS/FP	various:various	5.985	-		-		-		-	Continuing	Continuing	Continuing
MITRE	SS/FP	Aberdeen Proving Grounds, MD/Ft Monmouth, NJ/ Eatontown, NJ:APG	59.424	4.822		5.567		-		5.567	Continuing	Continuing	Continuing
TBD	SS/FP	Unixpros:Eatontown, NJ	3.711	-		-		-		-	Continuing	Continuing	Continuing
ROBBINS-GIOIA	SS/FP	various:various	9.986	-		-		-		-	Continuing	Continuing	Continuing
TBD	SS/FP	ITT:Eatontown, NJ	1.070	-		-		-		-	Continuing	Continuing	Continuing
MISCELLANEOUS SUPPORT	SS/FP	various:various	2.551	-		-		-		-	Continuing	Continuing	Continuing
TBD	SS/FP	BOOZ-ALLEN:Eatontown, NJ	1.950	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			171.301	8.607		9.757		-		9.757			

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Remarks

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>				PROJECT JN1: <i>JOINT NETWORK NODE (JNN) TESTING</i>			
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
JN1: <i>JOINT NETWORK NODE (JNN) TESTING</i>	-	-	13.183	-	13.183	-	-	-	-	0.000	13.183
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

WIN-T Inc 1 is key to the Army's Network Modernization program. As the emerging major component of the Army Bridge to Future Networks, Warfighter Information Network - Tactical (WIN-T) Increment 1, formally the Joint Network Node (JNN) Network is intended to replace legacy Mobile Subscriber Equipment (MSE) while moving the Army to a unified Everything Over Internet Protocol (EOIP) Communications System. Increment 1: Networking at-the-Halt-the network is capable of passing unclassified and classified traffic levels, throughout its entire structure, from Home Station Operations center to the furthest forward Battalion Elements. Designed to meet modularity and rapid deployment mandate, the network is also intended to support Joint Communications Requirements and internet applications from Coalition partners and from approved Federal Agencies such as the Federal Emergency Management Agency and Department of Homeland Security.

FY 12: Funding will be used for Operational Test of the Inc 1b technical insertion scheduled to be conducted 3rd quarter FY 12 in conjunction with Inc 2 Initial Operational Test and Evaluation (IOT&E).

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2010	FY 2011	FY 2012
Title: Operational Testing Event	-	-	13.183
Description: Funding is provided for the following effort			
FY 2012 Plans: Operational Testing Event			
Accomplishments/Planned Programs Subtotals	-	-	13.183

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

D. Acquisition Strategy

Joint Network Node (JNN) Network has previously been acquired in substantial quantities as urgent Army directive procurement. The JNN program attained Milestone C on 14 May 2007. The product manager was given verbal approval to proceed, in addition to instruction to await an Acquisition Decision memorandum (ADM) that was to follow finalization of the Warfighter Information Network - Tactical (WIN-T) Nunn-McCurdy hearings. The ADM was issued 5 June 2007 implementing the expected merger of JNN and WIN-T , laying the foundation for the restructured WIN-T program , and directing a number of actions to start the way ahead for the

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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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>	PROJECT JN1: <i>JOINT NETWORK NODE (JNN)</i> <i>TESTING</i>
<p>combined program. The WIN-T ACAT 1D program now consist of four separately reporting Increments, with JNN re-designated as WIN-T Increment 1. RDT&E funding will be used to test the output of the production.</p> <p>FY 12: Funding will be used for Operational Test of the Inc 1b technical insertion scheduled to be conducted 3rd quarter FY 12 in conjunction with Inc 2 Initial Operational Test and Evaluation (IOT&E).</p> <p><u>E. Performance Metrics</u></p> <p>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.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: 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 0604818A: <i>Army Tactical Command & Control Hardware & Software</i>				PROJECT JN1: <i>JOINT NETWORK NODE (JNN)</i> TESTING					

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
ATEC Testing requirment	Various	TBD:TBD	-	-		13.183		-		13.183	0.000	13.183	0.000
Subtotal			-	-		13.183		-		13.183	0.000	13.183	0.000
			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			-	-		13.183		-		13.183	0.000	13.183	0.000

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army																DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY								R-1 ITEM NOMENCLATURE								PROJECT			
2040: Research, Development, Test & Evaluation, Army								PE 0604818A: Army Tactical Command &								JN1: JOINT NETWORK NODE (JNN)			
BA 5: Development & Demonstration (SDD)								Control Hardware & Software								TESTING			

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Exhibit R-4A, RDT&E Schedule Details: 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 0604818A: Army Tactical Command & Control Hardware & Software	PROJECT JN1: JOINT NETWORK NODE (JNN) TESTING	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Operational Test	2	2012	2	2012