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Exhibit R-2, RDT&E Budget Item Justification: PB 2012 Army									DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605013A: Information Technology Development							
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	108.146	23.957	37.098	-	37.098	32.849	20.986	19.184	14.834	Continuing	Continuing
087: Distributed Learning System (DLS)	0.312	0.346	-	-	-	-	-	-	-	Continuing	Continuing
099: Army Human Resource System (AHRS)	55.567	1.272	2.770	-	2.770	2.765	2.747	2.720	2.707	Continuing	Continuing
184: INSTALLATION SUPPORT MODULES (ISM)	0.582	2.300	2.300	-	2.300	2.312	2.312	2.304	2.332	Continuing	Continuing
193: MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE	6.065	4.358	7.706	-	7.706	7.847	6.626	6.413	5.477	Continuing	Continuing
474: ENTERPRISE TRANSMISSION SYSTEMS	2.841	2.718	5.502	-	5.502	5.256	-	-	-	Continuing	Continuing
738: AcqBiz	10.917	5.530	11.011	-	11.011	10.501	5.044	3.468	-	Continuing	Continuing
AB5: ARMY BEHAVIORAL HEALTH INTEG DATA ENVIRO (ABHIDE)	0.402	-	-	-	-	-	-	-	-	0.000	0.402
AE5: HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)	7.500	-	-	-	-	-	-	-	-	0.000	7.500
M05: Enterprise Army Workload & Performance Sys (eAWPS)	1.792	-	-	-	-	-	-	-	-	0.000	1.792
T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION	0.990	0.584	0.664	-	0.664	-	-	-	-	0.000	2.238
T05: ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES	21.178	6.849	7.145	-	7.145	4.168	4.257	4.279	4.318	Continuing	Continuing
A. Mission Description and Budget Item Justification											
Supports efforts to plan, design, develop, and test information technology solutions to fulfill the Army's Warfighter Support Mission and accommodate changing Army requirements while fulfilling future Army needs. Provides for development and acquisition of Combat Service Support (CSS) and business information technology											

UNCLASSIFIED

UNCLASSIFIED

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solutions to help arm, sustain, fix, move, train and man the force. Completed development/acquisition efforts will also enhance sustaining base functions and power projection capabilities and facilitate global messaging and electronic data interchange (EDI). Ongoing development efforts support multiple functional areas including logistics, personnel, transportation, training, medical/health protection, and sustaining base.

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	66.568	23.957	35.833	-	35.833
Current President's Budget	108.146	23.957	37.098	-	37.098
Total Adjustments	41.578	-	1.265	-	1.265
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	1.265	-	1.265
• Other Adjustments 1	41.578	-	-	-	-

UNCLASSIFIED

UNCLASSIFIED

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APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605013A: Information Technology Development				PROJECT 087: Distributed Learning System (DLS)			
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
087: Distributed Learning System (DLS)	0.312	0.346	-	-	-	-	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Distributed Learning System (DLS) is an Army Acquisition Category III (ACAT III) automated information system that modernizes training delivery in the Army training and education system by leveraging information technology (IT). DLS acquires, deploys and maintains a worldwide distributed learning system to ensure our nation's Soldiers receive critical training for mission success. DLS benefits all Soldier's and DA Civilians. DLS is a key enabler for Army training transformation by improving unit readiness and significantly reducing costs. DLS enables the Army to properly train all components to a single Army standard. DLS supports readiness by enhancing institutional and individual training in all Army components (Active, National Guard, Reserve, and Department of the Army Civilians (DAC)). DLS provides both near and long-term information technology training infrastructure to enhance training, particularly in the areas of Military Occupational Skill Qualification (MOSQ) and reclassification. It also provides a highly effective means to deliver training and education to deployed forces. The overall goal for DLS is to leverage technology and to provide just-in-time training to each service member regardless of location. DLS supports the E-Government strategy by using the Web to provide training materials, by enabling the intra-agency sharing of training data, and by adopting commercial practices and products to reduce operating costs. DLS supports the President's Management Agenda by making use of e-Learning to leverage scarce training funds and to provide greater agency access to training materials. DLS goals also include reducing training delivery and training support costs; improving service member morale by allowing members to obtain increased amounts of required training without leaving their home station; improving efficiency and effectiveness of Army instructors by allowing each instructor to train more students in a shorter period of time; and, improving unit readiness due to the reduction in personnel turbulence resulting from long term absence for resident institutional training. DLS Increments 1 & 2 fielded electronic classrooms known as Digital Training Facilities (DTFs) comprised of student work stations, servers and room based video equipment. DLS currently operates and sustains 222 DTFs (117 DTFs at the Active Component (AC) and 105 DTFs at the United States Army Reserve (USAR)). DLS Increment 3, Army Learning Management System (ALMS) provides a web- based learning management system which Soldiers can use to enroll, take training and record training results. The DLS Increment 4, Deployed Digital Training Campus (DDTC) was approved for Full Deployment Decision Review (FDDR) by the Army in January 2010 and will have fielded a total of 26 of 50 DDTC systems by end of FY 2011. The DDTC is a mobile electronic training platform which will enable deployed Soldiers to take training.

This program has no FY12 Base or OCO procurement request.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Distributed Learning System (DLS)	0.081	-	-
Articles:	0		
Description: Funding supports Engineering & Manufacturing Development			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2010	FY 2011	FY 2012
FY 2010 Accomplishments: Increment 4 (DDTC) Engineering & Manufacturing Development (E&MD) (FY2010 CORE)												
Title: DLS Increment 4 (DDTC) - System Operational Test & Evaluation (OT&E) Articles: Description: Funding supports Increment 4 (DDTC)										0.231 0	-	-
FY 2010 Accomplishments: FY2010 Core funding procures operational test & evaluation (OT&E) of DLS Increment 4, Deployed Digital Training Campus (DDTC).												
Title: Planned Program: Increment 3 (ALMS) - Engineering Change Proposals (ECP) Operational Test & Evaluation (OT&E) Articles: Description: Planned Program: Increment 3 (ALMS) - Engineering Change Proposals (ECP) Operational Test & Evaluation (OT&E) [FY2011 Core]										-	0.346 0	-
FY 2011 Plans: FY2011 Core dollars of \$346 thousand procured continuous test & evaluation of DLS Increment 4, Deployed Digital Training Campus (DDTC) as required by the Army Test and Evaluation Command (ATEC). DDTC employs a Very Small Aperture Terminal (VSAT) to enable satellite communications (SATCOM). SATCOM services for the DDTC require testing before acceptance into the government inventory.												
Accomplishments/Planned Programs Subtotals										0.312	0.346	-
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
• 324631/432612/432615: OMA APEs	49.648	48.462	46.402		46.402		42.813	46.433	44.874	Continuing	Continuing	
• BE4173: ARMY DISTANCE LEARNING PROGRAM	9.980	9.856	7.876		7.876		10.732	7.140	9.439	Continuing	Continuing	
D. Acquisition Strategy												
Distributed Learning System (DLS) follows an evolutionary acquisition strategy using a spiral development process based on the following rationale: (1) cost savings can be realized immediately upon implementation of even a limited set of digital training facilities, courseware, and media types; (2) requirements for future increments												

UNCLASSIFIED

UNCLASSIFIED

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<p>are dependent upon technology maturation. DLS will be executed using four discrete increments narrow in scope and as brief in duration as practical to deliver a measurable net benefit independent of future segments. Each increment satisfies a set of requirements identified in the Army's Training and Doctrine Command (TRADOC) requirements document and provides a militarily useful and operationally supportable function, which permits additional increments to be added over time without having to completely re-design and redevelop those portions of the system already fielded. New capabilities requirements will be integrated with the existing functional baseline system as technologies and capabilities mature using system releases where feasible. A rigid configuration management program is established to maintain the integrity of each functional and technical baseline. The approved DLS acquisition strategy identifies four increments for implementation. Two previously identified capability requirements (Video-to-Desktop and Simulations) are best satisfied by changes to the existing Increment 2 (Networked DLS) platform as future system releases.</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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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
099: Army Human Resource System (AHRS)	55.567	1.272	2.770	-	2.770	2.765	2.747	2.720	2.707	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Army Human Resource System (AHRS) is the Army's system of systems that provides commanders the necessary personnel information to make informed decisions on mobilized military personnel resources (both Active Duty and Reserve Component). The implementation of AHRS requires the development of an authoritative Army Corporate database to support the eventual migration to Integrated Personnel and Payroll System-Army (IPPS-A). However, major elements of AHRS are not planned to be subsumed into IPPS-A. AHRS consists of three major components:

- Electronic Military Personnel Office (eMILPO) provides the U.S. Army with a reliable, timely, and efficient mechanism for performing Army personnel actions and managing strength accountability. The application provides visibility of the location, status, and skills of Soldiers both from a high level (tope of the system) and a unit level (bottom of the system). eMILPO delivers enhanced performance to the Soldier, providing superior data accuracy, and a more intuitive web-based approach resulting in increased productivity, quality, timeliness, security, and user satisfaction. It re-hosted the USC Title 10 functionality, formerly resident in the Standard Installation Division Personnel System-3 (SIDPERS) application, for migration to IPPS-A. Selected elements of eMILPO will need to be operated in parallel with IPPS-A until/unless IPPS-A is able to absorb all eMILPO funtionality.
- Deployed Theater Accountability System (DTAS) is a personnel accountability system that enables the Combatant Commanders (COCOM) to meet Title 10 personnel accountability responsibilities. DTAS is residing on the Secret Internet Router Network (SIPRnet) and accounts for military and civilian personnel in a deployed theater by unit, day and location supporting force tracking and deployed Operations Tempo (OPTEMP) tracking. DTAS is a persistent system and will continue to exist Integrated Personnel and Pay System - Army (IPPS-A) migration.
- The Tactical Personnel System (TPS)is a stand-alone system that supports personnel accountability for task organization/manifests and jump manifests used by tactical units. The system interfaces with DTAS, allowing Soldiers to be loaded into DTAS in mass upon arrival in theater. TPS will continue to exist Integrated Personnel and Pay System - Army (IPPS-A) migration.
- Personnel Transformation (PT)- Enterprise Service Bus (ESB)- The Army's Enterprise Service Bus (ESB) provides a data integration service in which data can be extracted from the legacy human resource systems and transferred to DIMHRS. The ESB will be a middleware application which will provide a single interface to and from DIMHRS from the Army Legacy Systems. The ESB will provide the infrastructure for the integration of new and existing applications by allowing systems and applications to easily exchange information across different environments and platforms. It will also form the information bridge between DIMHRS, the Army Legacy Systems, and external systems to create more streamlined systems in support of the military mission and personnel transformation goals.

FY12 funding procures configuration management software, test and evaluation software, life cycle replacement of legacy equipment and Continuity of Operations (COOP) equipment and software to support Engineering Change Packages (ECPs)/System Change Packages (SCPs)/Interim Change Packages (ICPs) in support of eMILPO and DTAS.

UNCLASSIFIED

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Title: AHRS Description: Funding will support Post Deployment Software Support (PDSS) FY 2010 Accomplishments: Engineering Change Packages (ECPs)/System Change Packages (SCPs) Interim Change Packages (ICPs) in support of eMILPO and DTAS FY 2011 Plans: Engineering Change Packages (ECPs)/System Change Packages (SCPs) Interim Change Packages (ICPs) in support of eMILPO and DTAS FY 2012 Plans: Engineering Change Packages (ECPs)/System Change Packages (SCPs) Interim Change Packages (ICPs) in support of eMILPO and DTAS		11.722 Articles: 0	0.598 0	2.770
Title: AHRS - Development Description: Funds support the continuing development of other AHRS systems FY 2010 Accomplishments: Continuous Development FY 2011 Plans: Cointinuous Development		11.106 Articles: 0	0.674 0	-
Title: AHRS - Army Continuing Education System Description: Funding supports the development of the Army Continuing Education System FY 2010 Accomplishments: Army Continuing Education System efforts		32.739 Articles: 0	-	-
Accomplishments/Planned Programs Subtotals		55.567	1.272	2.770

UNCLASSIFIED

UNCLASSIFIED

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

<u>Line Item</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>FY 2012</u> <u>Base</u>	<u>FY 2012</u> <u>OCO</u>	<u>FY 2012</u> <u>Total</u>	<u>FY 2013</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• W00800: <i>STACOMP</i>	13.392	28.849	143.122		143.122		93.404	81.506	82.052	Continuing	Continuing
• 432612/434612: <i>AHRS</i>	11.419	5.888	11.422		11.422					Continuing	Continuing

D. Acquisition Strategy

Army Human Resource System (AHRS)- The program manager makes extensive use of Integrated Product Teams (IPTs). Sub-elements of the acquisition (engineering and design, logistics planning, testing, etc.) are intensively managed by integrated teams of government and contractor personnel. Task performance is tracked against the Work Breakdown Structure (WBS) and resources allocated to each task are adjusted based on performance against the WBS. AHRS contractual efforts are acquired on a firm fixed price basis through GSA schedule and existing contractual vehicles. The Title 10 functionality has transferred to AHRS.

-Personnel Transformation - The Enterprise Service Bus (ESB) program management approach is a middleware application which will provide a single interface to and from DIMHRS from the Army Legacy Systems. The ESB will provide the infrastructure for the integration of new and existing applications by allowing systems and applications to easily exchange information across different environments and platforms. It will also form the information bridge between DIMHRS, the Army Legacy Systems, and external systems. Contractor selection will be accomplished through open competition, administered by a federal certified contracting agency. Program Management is accomplished by combining a "best practices" approach coupled with standard tools.

E. Performance Metrics

Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.

UNCLASSIFIED

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army										DATE: February 2011			
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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
AHRs - ECPs/SCPs/ICPs	Various	Hewlett Packard:various	31.212	1.272		1.272		-		1.272		Continuing	Continuing	Continuing
AHRs - Software Development	Various	Hewlett Packard:various	50.635	-		1.498		-		1.498		Continuing	Continuing	Continuing
Subtotal			81.847	1.272		2.770		-		2.770				

			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			81.847	1.272		2.770		-		2.770			

Remarks

UNCLASSIFIED

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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
184: <i>INSTALLATION SUPPORT MODULES (ISM)</i>	0.582	2.300	2.300	-	2.300	2.312	2.312	2.304	2.332	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Installation Support Modules (ISM), deployed to Army sites worldwide, is software applications developed and standardized to perform business functions related to Army Force Generation (ARFORGEN) at the Installation level used by the combatant command and installation staffs. The ISM system is a web environment that utilizes a single, centralized, replicated database to store logistical and personnel readiness data for the entire Army. The requested funds continue migration of the fielded ISM software (Disk Operating System character based) applications to a more modern graphical user interface in a web based environment allowing the combat soldier as well as the field commander access to records impacting soldier readiness. Functionality fielded in FY10 and FY11 includes web server architecture that supports a graphical user interface, web-based user access, and a consolidated infrastructure in accordance with the Army Knowledge Management Strategic Plan. This modernized system enables the Army Installation Management community to provide simple web-enabled software applications for soldier processing; ready and relevant information to the commander; while transparently integrating multiple complex processes for soldiers, commanders, and Army executives. ISM consists of five discrete modules focusing on ARFORGEN activities including in/out processing of soldiers, personnel locator services, soldier transition processing, management of soldier educational records, and management of Organizational Clothing and Individual Equipment (OCIE). The Network Operations and Security Center, Ft. Huachuca, AZ manages the ISM network, provides general system configuration control, operates a 24/7 Helpdesk, provides user account management, and performs automated backups for ISM devices located at Army sites worldwide.

Coalition Warfighter Interoperability Demonstration (CWID) is a mandated Joint program that requires participation by the US Army to explore near-term technologies that support Joint and Coalition Warfare Interoperability. Funding is to facilitate Coalition Force interoperability research and development and to comply with CJCSI 6230.2 date 30 April 05. Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicides attempts are collected and stored in a in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.

FY12 funding is essential for supporting demands to research and develop improved systems to provide for soldier safety and inventory reduction without risking readiness. Supports research and development to comply with Dept of Defense Instruction 8320.4 Serialized Item Management. Applications to use commercial off the shelf bar code systems in Central Issue Facilities (CIF) will ensure that serial numbered items can be tracked, and excess stocks can be moved to units with deployment requirements without unnecessary procurement. Funding for CWID will continue to facilitate Coalition Force interoperability research and development. Funding for ABHIDE will continue development of the system.

UNCLASSIFIED

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012
Title: Independent Verification and Validation (IV&V) Testing Articles: Description: Independent Verification and Validation (IV&V) Testing FY 2010 Accomplishments: Required Independent Verification and Validation (IV&V) Testing FY 2011 Plans: Required Independent Verification and Validation (IV&V) Testing FY 2012 Plans: Required Independent Verification and Validation (IV&V) Testing		0.062 0	0.062 0	0.063 0
Title: Post-Deployment Software Support (PDSS) - Engineering Change Packages (ECPs)/System Change Packages (SCPs) Articles: Description: Post-Deployment Software Support (PDSS) - Engineering Change Packages (ECPs)/System Change Packages (SCPs): Develop or enhance software to meet the requirements of the soldier and installation. FY 2010 Accomplishments: Added self service functions to the CIF through Army Knowledge on Line, which allows soldiers and commanders to access appointments, hand receipts and clothing records; helps eliminate duplicate ordering, provides commanders easy access to determine soldier readiness; and improves asset visibility. Added Ad Hoc query capability to existing data base to be able to research and report timely. Added an e-Signature capability to the CIF module for issue and turn-in of OCIE, reducing processing time and improving accountability. Added bar code technology to the CIF application worldwide, reducing unnecessary procurement of OCIE to meet deployment schedules. FY 2011 Plans: Planned: COTs extension of bar coding to meet DoD requirements for Individual Unit Identification (IUID) and tracking of OCIE in the CIF module to insure soldiers get the right equipment they need to execute their assigned mission as they progress through ARFORGEN cycles. IUID ensures the best stocks are issued to achieve an equipping balance based on CSA guidance to build enduring readiness while providing the soldier with the safest equipment possible. Specifically will expand Automated Identification Technology to the CIF application to comply with DoD IUID policy; continue to add self service functions to the CIF through Army Knowledge on Line; improve compliance with personal privacy safeguards to mask social security numbers and other personal information; add OCIE logistical data from National Guard systems and create a common data base to reduce		0.348 0	0.354 0	0.385 0

UNCLASSIFIED

UNCLASSIFIED

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
duplicate ordering and increase utilization of existing stocks; improves asset visibility; and add automation of soldier test scoring when taking the Armed Forces Classification Test.					
FY 2012 Plans: Planned: Continue with COTs extension of bar coding to meet DoD requirements for Individual Unit Identification (IUID) and tracking of OCIE in the CIF module to insure soldiers get the right equipment they need to execute their assigned mission as they progress through ARFORGEN cycles. IUID ensures the best stocks are issued to achieve an equipping balance based on CSA guidance to build enduring readiness while providing the soldier with the safest equipment possible. Specifically will expand Automated Identification Technology to the CIF application to comply with DoD IUID policy; continue to add self service functions to the CIF through Army Knowledge on Line; improve compliance with personal privacy safeguards to mask social security numbers and other personal information; add OCIE logistical data from National Guard systems and create a common data base to reduce duplicate ordering and increase utilization of existing stocks; improves asset visibility; and add automation of soldier test scoring when taking the Armed Forces Classification Test.					
Title: Coalition Warfighter Interoperability Demonstration (CWID) Description: Coalition Warfighter Interoperability Demonstration (CWID) FY 2010 Accomplishments: Coalition Warfighter Interoperability Demonstration (CWID) is a mandated Joint program that requires participation by the US Army to explore near-term technologies that support Joint and Coalition Warfare Interoperability. Funding is to facilitate Coalition Force interoperability research and development and to comply with CJCSI 6230.2 date 30 April 05. FY 2011 Plans: Coalition Warfighter Interoperability Demonstration (CWID) is a mandated Joint program that requires participation by the US Army to explore near-term technologies that support Joint and Coalition Warfare Interoperability. Funding is to facilitate Coalition Force interoperability research and development and to comply with CJCSI 6230.2 date 30 April 05. FY 2012 Plans: Coalition Warfighter Interoperability Demonstration (CWID) is a mandated Joint program that requires participation by the US Army to explore near-term technologies that support Joint and Coalition Warfare Interoperability. Funding is to facilitate Coalition Force interoperability research and development and to comply with CJCSI 6230.2 date 30 April 05.			Articles: 0.172 0	0.296 0	0.291
Title: Army Behavioral Health Integrated Data Environment			-	1.588 0	1.561

UNCLASSIFIED

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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 0605013A: Information Technology Development			PROJECT 184: INSTALLATION SUPPORT MODULES (ISM)					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
<p>Description: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry.</p> <p>FY 2011 Plans: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicides attempts are collected and stored in a in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.</p> <p>FY 2012 Plans: Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. Data relating to suicides and suicides attempts are collected and stored in a in disparate, non-related databases that cross the domains of medical, personnel and law enforcement. ABHIDE will provide the capability of integrating the non-related and dispersed data from the separate sources into a single comprehensive database to support both retrospective and predictive analysis. The information obtained will be used to conduct epidemiological surveillance, identify trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service.</p>											
Accomplishments/Planned Programs Subtotals							0.582	2.300	2.300		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• 432612/432100: OMA	12.331	11.068	12.378		12.378		13.017	13.402	13.630	Continuing	Continuing
• BE4162: MACOM AUTOMATION SYSTEMS	120.586	108.194	71.591		71.591		70.007	74.357	105.973	Continuing	Continuing
D. Acquisition Strategy											
Installation Support Modules is in Post Deployment Software Support (PDSS). The present concept calls for the use of full and open competition to implement enhancements as defined by the Functional Proponent, Army Chief Information Officer (CIO)/G-6.											

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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 0605013A: <i>Information Technology</i> <i>Development</i>	PROJECT 184: <i>INSTALLATION SUPPORT MODULES</i> <i>(ISM)</i>

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: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0605013A: <i>Information Technology Development</i>				PROJECT 184: <i>INSTALLATION SUPPORT MODULES (ISM)</i>					

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
PDSS ECPs/SCPs/ICPs	Various	Systems Research & Applications, Fairfax, VA:various	10.659	0.354		0.385		-		0.385	Continuing	Continuing	Continuing
Rock Island Ops Center486	Various	Intergraph:various	0.949	-		-		-		-	Continuing	Continuing	0.000
Army Behavioral Health Integrated Data Environment	Various	TBD:TBD	-	1.588		1.561		-		1.561	Continuing	Continuing	0.000
JWID Development - Army	Various	various:various	4.678	0.296		0.291		-		0.291	Continuing	Continuing	Continuing
Subtotal			16.286	2.238		2.237		-		2.237			

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
Independent Verification and Validation (IVV) Testing	Various	GDIT Corp:various	1.860	0.062		0.063		-		0.063	Continuing	Continuing	Continuing
Subtotal			1.860	0.062		0.063		-		0.063			

	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	18.146	2.300	2.300	-	2.300			

Remarks

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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 0605013A: Information Technology Development				PROJECT 193: MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE			
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
193: MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE	6.065	4.358	7.706	-	7.706	7.847	6.626	6.413	5.477	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Medical Communications for Combat Casualty Care (MC4) System provides multipliers to the medical force structure through the acquisition of digital communications and information technology solutions for the deployable medical forces. The MC4 System will also fulfill the requirements highlighted in United States Code: Title 10, Subtitle A, Part II, Chapter 55, Section 1074f, mandating the proper documentation of deployed service members' medical treatment to include pre- and post-deployment screening and its associated medical surveillance. The MC4 System will interface Force Health Protection and medical surveillance information with Army Battle Command and Combat Service Support information technology systems as they evolve to support the Army Transformation. The MC4 System also indirectly supports other soldier protection initiatives such as analysis of injury data collected from the MC4 systems is used to support the identification and development of other critical soldier support systems such as body armor, improved helmets, traumatic brain injury protection and trauma reduction. Current MC4 Program efforts are focused on system engineering, testing and integration, and fielding automation infrastructure for Army users of the Joint Theater Medical Information Program (TMIP-J) suite of software. Funding provides support system engineering, integration and developmental testing of information management/ information technology to better support Force Health Protection in the Army Campaign Plan and Overseas Contingency Operation units.

FY12 Base funding will be used for the engineering effort required to provide the Defense Health Information Management System (DHIMS) TMIP-J software on the Army platform, as well as the engineering effort for other Army unique capability. Activities include:

- Test augmentation to include development testing of TMIP (all releases until final objective), and other Army unique software capabilities
- Integration testing of software systems on the MC4 baseline system
- Future engineering in architecture development for better efficiency and effectiveness
- Evaluation of technology obsolescence and solutions
- Evaluation and testing of technology upgrades to include capabilities identification through market surveys and demonstrations
- Evaluation of new health care capabilities not provided by DHIMS/TMIP, e.g. teleradiology
- Test and evaluation of new capabilities and how well they work in the combat theater
- Lab site studies with technology and scenarios
- Interfaces with other systems, e.g. Army Brigade Combat Team Modernization

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Program Management	0.190	0.195	0.201
Articles:	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 0605013A: <i>Information Technology Development</i>		PROJECT 193: <i>MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
Description: Civilian program management services providing guidance and direction to contract support personnel on R&D related issues. FY 2010 Accomplishments: Civilian program management services providing guidance and direction to contract support personnel on R&D related issues. FY 2011 Plans: Civilian program management services providing guidance and direction to contract support personnel on R&D related issues. FY 2012 Plans: Civilian program management services providing guidance and direction to contract support personnel on R&D related issues.					
Title: Engineering and Technical Support Description: Engineering and Technical Support for P3I and System Upgrades, Systems Integration, Software Support and Helpdesk Support. FY 2010 Accomplishments: Engineering and Technical Support for P3I and System Upgrades, Systems Integration, Software Support and Helpdesk Support. FY 2011 Plans: Engineering and Technical Support for P3I and System Upgrades, Systems Integration, Software Support and Helpdesk Support. FY 2012 Plans: Engineering and Technical Support for P3I and System Upgrades, Systems Integration, Software Support and Helpdesk Support.			1.771 0	1.158 0	2.068
Title: MC4 Information Assurance (IA) Testing Description: Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems. FY 2010 Accomplishments: Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems. FY 2011 Plans:			0.650 0	0.462 0	0.650

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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 0605013A: <i>Information Technology Development</i>		PROJECT 193: <i>MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems. FY 2012 Plans: Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems.					
Title: PMO Testing Support Description: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies. FY 2010 Accomplishments: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies. FY 2011 Plans: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies. FY 2012 Plans: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies.			0.416 0	0.305 0	0.437
Title: MC4/TMIP Integration and Testing Description: Development testing of DHIMS/TMIP-J Increment 2 (all releases); Lab site studies with technology and scenarios; Integration testing of software systems on the MC4 baseline system; test and evaluation of new capabilities for combat theater functionality. FY 2010 Accomplishments: Development testing of DHIMS/TMIP-J Increment 2 (all releases); Lab site studies with technology and scenarios; Integration testing of software systems on the MC4 baseline system; test and evaluation of new capabilities for combat theater functionality. FY 2011 Plans: Development testing of DHIMS/TMIP-J Increment 2 (all releases); Lab site studies with technology and scenarios; Integration testing of software systems on the MC4 baseline system; test and evaluation of new capabilities for combat theater functionality. FY 2012 Plans:			3.038 0	2.238 0	4.350

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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 0605013A: Information Technology Development				PROJECT 193: MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)										FY 2010	FY 2011	FY 2012
Development testing of DHIMS/TMIP-J Increment 2 (all releases); Lab site studies with technology and scenarios; Integration testing of software systems on the MC4 baseline system; test and evaluation of new capabilities for combat theater functionality.												
Accomplishments/Planned Programs Subtotals										6.065	4.358	7.706
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost	
• MA8046: (MC4)	19.692	23.606	26.232		26.232		2.416	2.036	0.930	Continuing	Continuing	
• 432612: OMA	9.149	9.360	8.981		8.981		3.241	3.492	3.551	Continuing	Continuing	
D. Acquisition Strategy												
The MC4 Program supports a number of Army Medical Information Technology/Communications initiatives. The near and mid-term focus of the MC4 program is to engineer, design, test, acquire and field the Army automation/communications infrastructure capabilities supporting fielding of the Joint Theater Medical Information Program (TMIP) integrated software application suite and other Army requirements. The MC4 hardware is procured as Commercial-off-the-Shelf (COTS) components. Since TMIP software is a major component of the MC4 System, the MC4 Program will deliver capabilities in increments, recognizing the need for future system upgrades and Preplanned Product Improvements (P3Is). The MC4 Program continues to work with the user community to continually define and refine additional requirements and match them with available technologies to provide the user enhanced capabilities. These enhanced capabilities will be provided to the user at the earliest possible date. This approach yields the most operationally useful and supportable capability in the shortest time possible with Cost As an Independent Variable. Moreover, this approach provides an initial capability with the explicit intent of delivering improved and updated capability in subsequent upgrades and P3Is. This evolutionary development approach will be accomplished through a rapid prototyping process that will progress the system from its current functional capabilities to fully integrated objective capabilities. Appropriate commercial technology enhancements (e.g. advances in operating systems, voice activated technology, etc) will be incorporated into MC4 products and systems as they become available. Each MC4 System component will undergo a full range of developmental testing to include software unit testing, integration testing, interoperability testing and software qualification testing. The MC4 system upgrades and improvements will continue to undergo follow-on operational testing.												
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 0605013A: Information Technology Development				PROJECT 193: MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE					
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
Prog Mgmt Operations	Various	PMO:various	8.215	0.195		0.201		-		0.201	Continuing	Continuing	Continuing
Subtotal			8.215	0.195		0.201		-		0.201			
Remarks Funding in Program Management Operations includes direct pay of PMO government employees, TDY, training, supplies, etc. in direct support of RDTE effort													
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
Electronic Commodity	Various	GOV WORKS:various	2.700	-		-		-		-	Continuing	Continuing	Continuing
PMO Support	Various	CACI Inc-Federal:various	2.275	-		-		-		-	Continuing	Continuing	Continuing
Logistics Planning	Various	PMO,:various	2.975	-		-		-		-	Continuing	Continuing	Continuing
Logistics Planning Spt	Various	CACI Inc-Federal:various	1.481	-		-		-		-	Continuing	Continuing	Continuing
Engineering & Technical Spt	Various	PMO:various	3.336	-		-		-		-	Continuing	Continuing	Continuing
Engineering & Tech Spt	Various	L3 (was Titan):various	5.085	-		-		-		-	Continuing	Continuing	Continuing
PMO Support	Various	General Dynamics (was Anteon Inc.):various	0.708	-		-		-		-	Continuing	Continuing	Continuing
Information Assurance	Various	ISEC Support:AZ	0.650	0.462		0.650		-		0.650	Continuing	Continuing	Continuing
SBIR/STTR	Various	GOVWORKS:MD	0.025	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			19.235	0.462		0.650		-		0.650			
Remarks Electronic Commodity is a pass-through to Department of Interior, an initiative of SEN Byrd of West Virginia, from Congressional MARKS. SBIR/STTR reductions taken from program. PMO SUPPORT with GDIT moved to another appropriation to better align activities with program life cycle													

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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 0605013A: <i>Information Technology Development</i>				PROJECT 193: <i>MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE</i>					

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
MC4 Engineering and Integration Testing	Various	L3:MD	11.906	1.158		2.068		-		2.068	Continuing	Continuing	Continuing
PMO Testing Spt	Various	ATEC/AMEDD Board:various	4.317	0.305		0.437		-		0.437	Continuing	Continuing	Continuing
MC4/TMIP System Engineering	Various	John Hopkins University (JHU) Applied Physics Lab:MD	29.086	2.238		4.350		-		4.350	Continuing	Continuing	Continuing
Subtotal			45.309	3.701		6.855		-		6.855			

	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	72.759	4.358		7.706		-		7.706			

Remarks

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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 0605013A: Information Technology Development				PROJECT 474: ENTERPRISE TRANSMISSION 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
474: ENTERPRISE TRANSMISSION SYSTEMS	2.841	2.718	5.502	-	5.502	5.256	-	-	-	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
Combat Service Support (CSS) Automated Information System Interface (CAISI) is a high-data-rate wireless system that provides sensitive information (SI) and is the backbone for logistics connectivity down to individual Combat Service Support (CSS) computer systems located within the sustainment area. The CAISI design effort focuses on integrating Commercial Off-The-Shelf (COTS) equipment from various manufacturers to create a standard deployable set of communications equipment. Current CAISI equipment is being fielded with new equipment training to logistics units Army-wide. Maintenance support is provided at depot-level with additional support at forward repair activities. Computer based training, on-line refresher training and technical support is also provided for CAISI users. CAISI employs a deployable wireless LAN infrastructure linking Standard Army Management Information Systems (STAMIS) computers in a 7 square-kilometer area using wireless bridging. CAISI design incorporates full lifecycle sustainability features to ensure reliability and supportability in full spectrum operations.											
FY12 Base funding provides follow-on testing, software and hardware upgrades, integration and IA compliance.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Accomplishments Articles: Description: Funding is provided for the following effort FY 2010 Accomplishments: FY2010 core funding supported follow-on testing, product improvement, integration and IA compliance.								2.841	-	-	
								0			
Title: Planned Articles: Description: Funding is provided for the following effort FY 2011 Plans: FY2011 and core funding will support evaluation, testing, Information Assurance Vulnerability Management (IAVM) compliance and technical support. FY 2012 Plans:								-	2.718	5.502	
									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 0605013A: <i>Information Technology Development</i>			PROJECT 474: <i>ENTERPRISE TRANSMISSION SYSTEMS</i>					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
FY2012 and beyond core funding will support follow on evaluation, testing, Information Assurance Vulnerability Management (IAVM) compliance and technical support.											
Accomplishments/Planned Programs Subtotals							2.841	2.718	5.502		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• Procurement: OPA, BD3512	32.576	21.691	16.376		16.376					Continuing	Continuing
• OMA: OMA, 423612	5.750	5.725	3.442		3.442		5.768	5.881	5.981	Continuing	Continuing
D. Acquisition Strategy											
Acquisition strategy will be to obtain engineering support, as well as applicable hardware and software to enhance current CAISI capabilities. Funding provides functional assesment, technical support and integration of IA requirements. Integral to this strategy is the imperative of developing the capability for inserting and integrating emerging technologies into the new CAISI.											
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 0605013A: Information Technology Development				PROJECT 474: ENTERPRISE TRANSMISSION 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
Research, modification/ integration and testing of CAISI 2.0.	SS/FP	ISEC:Technical/ Integration Support	22.779	2.718		2.720		-		2.720	Continuing	Continuing	Continuing
Subtotal			22.779	2.718		2.720		-		2.720			

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
Program Office Support	SS/FP	Springfield, VA:SETA Contractor Support	-	-		1.787		-		1.787	1.787	3.574	0.000
Subtotal			-	-		1.787		-		1.787	1.787	3.574	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
Research, modification/ integration and testing of CAISI 2.0.	SS/FP	ISEC:Technical/ Integration Support	22.779	-		0.995		-		0.995	Continuing	Continuing	Continuing
Subtotal			22.779	-		0.995		-		0.995			

			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			45.558	2.718		5.502		-		5.502			

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 0605013A: *Information Technology Development*

PROJECT

474: ENTERPRISE TRANSMISSION SYSTEMS

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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 0605013A: <i>Information Technology Development</i>	PROJECT 474: <i>ENTERPRISE TRANSMISSION SYSTEMS</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
New Software Development_SW1	1	2011	1	2012
New Software Development_SW2	4	2012	3	2013
Software Testing_SW1	1	2012	2	2012
Fielding Critical Technology	4	2012	4	2014

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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 0605013A: <i>Information Technology Development</i>				PROJECT 738: <i>AcqBiz</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
738: <i>AcqBiz</i>	10.917	5.530	11.011	-	11.011	10.501	5.044	3.468	-	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
<p>PM AcqBusiness establishes and sustains the family of IT business systems that support the business of Army acquisition. PM AcqBusiness consists of a family of IT solutions, COTS products, decision support tools and web services that are integrated through a common architecture. Whenever possible, PM AcqBusiness provides access to external enterprise tools and services from other business domains, Army, OSD and DISA and does not duplicate those capabilities. PM AcqBusiness establishes the enterprise level investment control, portfolio management and requirements visibility which is the heart of IT business system transformation in Army Acquisition. PM AcqBusiness provides Army Acquisition practitioners with a consistent set of unique business tools, web services, and decision support tools which provides visibility of authoritative data, consistency in business process, more timely support to acquisition decisions and enterprise control over IT investments. The enterprise tools provided via PM AcqBusiness enables the reduction and eventual elimination of stovepipe and redundant tools that exist in the domain today. PM AcqBusiness provides an environment that will enable a standard capability to allow access to disparate Acquisition Domain data sources. PM AcqBusiness will provide role-based access to authoritative data sources and services. In addition, PM AcqBusiness provides a framework for information providers to publish their data and provide their services to authorized users.</p>											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: Design, Development, and Test								9.877	4.438	9.897	
Articles:								0	0		
Description: This effort supports the ultimate integration of the AcqBusiness Portfolio											
FY 2010 Accomplishments: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
FY 2011 Plans: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
FY 2012 Plans: Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.											
Title: Program Management								1.040	1.092	1.114	
Articles:								0	0		
Description: This effort provides program management in support of the AcqBusiness Portfolio.											
FY 2010 Accomplishments:											

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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 0605013A: Information Technology Development			PROJECT 738: AcqBiz					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012		
Program Management											
FY 2011 Plans:											
Program Management											
FY 2012 Plans:											
Program Management											
Accomplishments/Planned Programs Subtotals							10.917	5.530	11.011		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
• 432612: OMA APE	14.547	10.117	10.880		10.880		11.309	11.538	11.734	Continuing	Continuing
D. Acquisition Strategy											
<p>Product Manager AcqBusiness was established to acquire a centrally managed and funded suite of standard net-centric business capabilities in order to provide Army acquisition practitioners the data visibility necessary to optimize the acquisition of supplies, services, and materiel for the Warfighter. PM AcqBusiness is using an evolutionary acquisition strategy to acquire the capabilities specified in the PM AcqBusiness requirements document in order to realize benefits early and reduce risk. The full range of PM AcqBusiness Service Oriented Architecture (SOA) services will be achieved through an evolutionary implementation of individual components, each delivered within 180 day increments of time. Each service is designed to federate cleanly with and leverage the capabilities provided by other SOA environments by leveraging an open-standards based approach to design. Each PM AcqBusiness SOA service will implement new functionality, and may or may not utilize other already published SOA services. Each service capability will be tested and then made available to consumers throughout the acquisition community and the Army. This approach minimizes the cost incurred for testing the system, as well as minimizes release transition impacts on users. PM AcqBusiness is using an evolutionary acquisition approach, incorporating the use of commercial-off-the-shelf (COTS) hardware and software, and custom developed software to meet Army requirements. In this approach, the maintenance release will be streamlined to expedite the fielding of a particular PM AcqBusiness software fix or upgrade. Maintenance releases will be installed on an "as needed" basis after testing and approval by PM AcqBusiness. This approach minimizes the time required to deliver new capabilities to users. The PM AcqBusiness acquisition approach embraces the tenets of Subtitle III of Title 40, U.S.C. (Formerly the Clinger-Cohen Act of 1996). As such, the PM AcqBusiness is: (1) performing Business Process Reengineering (BPR) in advance of development of AcqBusiness capabilities. AcqBusiness is primarily about changing how the acquisition business functions are done in the Army; (2) encouraging the purchase of commercial products and innovations from private industry; (3) involving potential suppliers of SOA technology early in the requirements generation process; (4) employing outsourcing wherever possible; and (5) acquiring the AcqBusiness capabilities in interoperable modules, leveraging the evolutionary acquisition approach.</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 0605013A: Information Technology Development				PROJECT 738: AcqBiz					
Management Services (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Program Management Support	Various	Government:various	5.857	1.092		1.114		-		1.114	Continuing	Continuing	Continuing
Subtotal			5.857	1.092		1.114		-		1.114			
Product Development (\$ in Millions)				FY 2011		FY 2012 Base		FY 2012 OCO		FY 2012 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Army Business Systems Modernization Initiatives.	Various	Multiple Activities:various	8.820	-		-		-		-	Continuing	Continuing	Continuing
Analysis and Design, Development , Integration and Testing	Various	Northrup Grumman:various	20.468	-		-		-		-	Continuing	Continuing	Continuing
Application Licenses	Various	Mythics:various	8.840	-		-		-		-	Continuing	Continuing	Continuing
Analysis and Design, Development, Integration	Various	Booz, Allen and Hamilton:Springfield	26.846	4.438		9.897		-		9.897	Continuing	Continuing	Continuing
Subtotal			64.974	4.438		9.897		-		9.897			
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 Management Support Costs	Various	Bearing Point Inc:various	0.174	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			0.174	-		-		-		-			

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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 0605013A: <i>Information Technology Development</i>				PROJECT 738: <i>AcqBiz</i>					

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 and Evaluation	Various	Multiple Activities:various	1.350	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			1.350	-		-		-		-			

	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	72.355	5.530		11.011		-		11.011			

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 0605013A: <i>Information Technology Development</i>		PROJECT 738: <i>AcqBiz</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
Increment Three IOC		■																										
Increment Four IOC				■																								
Increment Five IOC					■																							
Increment Six IOC						■																						
Increment Seven IOC							■																					
Increment Eight IOC								■																				
Increment Nine IOC									■																			
Increment Ten IOC										■																		
Increment Eleven IOC											■																	
Increment Twelve IOC												■																
Increment Thirteen IOC													■															
Increment Fourteen IOC														■														
Increment Fifteen IOC															■													
Increment Sixteen IOC																	■											

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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 0605013A: *Information Technology Development*

PROJECT

738: *AcqBiz*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Increment Three IOC	2	2010	2	2010
Increment Four IOC	4	2010	4	2010
Increment Five IOC	2	2011	2	2011
Increment Six IOC	4	2011	4	2011
Increment Seven IOC	2	2012	2	2012
Increment Eight IOC	4	2012	4	2012
Increment Nine IOC	2	2013	2	2013
Increment Ten IOC	4	2013	4	2013
Increment Eleven IOC	2	2014	2	2014
Increment Twelve IOC	4	2014	4	2014
Increment Thirteen IOC	2	2015	2	2015
Increment Fourteen IOC	4	2015	4	2015
Increment Fifteen IOC	2	2016	2	2016
Increment Sixteen IOC	4	2016	4	2016

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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 0605013A: <i>Information Technology Development</i>				PROJECT AB5: <i>ARMY BEHAVIORAL HEALTH INTEG DATA ENVIRO (ABHIDE)</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
AB5: <i>ARMY BEHAVIORAL HEALTH INTEG DATA ENVIRO (ABHIDE)</i>	0.402	-	-	-	-	-	-	-	-	0.000	0.402
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification This database provides a standardized, enterprise-wide, information management and technology capability to integrate information from nonrelated/dispersed databases into a comprehensive health surveillance database to support mental, behavioral, social health and public health activities.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)									FY 2010	FY 2011	FY 2012
Title: Army Behavioral Health Integration Data Environment Description: Funds support Engineering and Development. FY 2010 Accomplishments: Funds support engineering and development efforts of the system in support of suicidal prevention/mitigation.									Articles: 0.402 0	-	-
Accomplishments/Planned Programs Subtotals											
C. Other Program Funding Summary (\$ in Millions) N/A											
D. Acquisition Strategy N/A											
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: <i>Research, Development, Test & Evaluation, Army</i> BA 5: <i>Development & Demonstration (SDD)</i>				R-1 ITEM NOMENCLATURE PE 0605013A: <i>Information Technology Development</i>				PROJECT AE5: <i>HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)</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
AE5: <i>HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)</i>	7.500	-	-	-	-	-	-	-	-	0.000	7.500
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification
The Headquarters Army Environmental System (HQAES) is the system of record for the Headquarters Environmental reporting mission, scheduled to subsume the legacy Army Environmental Data Base (AEDB) databases. The HQAES will serve in the same capacity as AEDB while being upgraded to ensure compliance with certification and current regulatory requirements (the Chief Financial Officers Act, DoD Financial Management Regulation (DoD 7000.14-R), Clinger Cohen Act, etc.), adding new capabilities, and ultimately will interface with the Army's General Fund Enterprise Business System (GFEBS) and the Single Army Logistics Enterprise (SALE). Furthermore, HQAES will satisfy Army Environmental Cleanup Liability Recognition, Valuation and Reporting requirements.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012
Title: Headquarters Army Environmental System (HQAES) <div style="text-align: right;">Articles:</div> Description: Funding supports Engineering and Development FY 2010 Accomplishments: Funding supports Engineering and Development	7.500 0	-	-
Accomplishments/Planned Programs Subtotals	7.500	-	-

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

D. Acquisition Strategy
N/A

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 0605013A: Information Technology Development				PROJECT M05: Enterprise Army Workload & Performance Sys (eAWPS)			
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
M05: Enterprise Army Workload & Performance Sys (eAWPS)	1.792	-	-	-	-	-	-	-	-	0.000	1.792
Quantity of RDT&E Articles											
Note Army Procure-to-Pay (P2P) business processes include purchase requisition, approval (work flow), commitment of funds, sourcing, solicitation, evaluation, contract management (award), receipt and acceptance, payment approval, and disbursing (payment). P2P follows a phased approach which includes a sand box demonstration of capability; initial fielding to a single site to further demonstrate capabilities in a live environment.											
A. Mission Description and Budget Item Justification Army Procure-to-Pay (P2P) business processes include purchase requisition, approval (work flow), commitment of funds, sourcing, solicitation, evaluation, contract management (award), receipt and acceptance, payment approval, and disbursing (payment). P2P follows a phased approach which includes a sand box demonstration of capability; initial fielding to a single site to further demonstrate capabilities in a live environment. Enables standard, integrated business processes across the Army that link finance and procurement BENEFITS: Leverages automation, reduces paper, maximizes electronic storage Reduces duplicate data entry Data entered once in integrated system then used many times in linked end-to-end business processes Reduces manual intervention = reduced costs Improves records management and document tracking Process visibility from end-to-end											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012	
Title: System Development Articles:								1.777 0	-	-	
Description: Software and architecture development FY 2010 Accomplishments: Software and architecture development for Procure to Pay (P2P)											
Title: Small Business Innovative Research/Small Business Technology Transfer Program Articles:								0.015 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 0605013A: <i>Information Technology Development</i>	PROJECT M05: <i>Enterprise Army Workload & Performance Sys (eAWPS)</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
Description: Small Business Innovative Research/Small Business Technology Transfer Program			
FY 2010 Accomplishments: Small Business Innovative Research/Small Business Technology Transfer Program			
Accomplishments/Planned Programs Subtotals		1.792	-
C. Other Program Funding Summary (\$ in Millions) N/A			
D. Acquisition Strategy N/A			
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 0605013A: Information Technology Development				PROJECT T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION			
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
T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION	0.990	0.584	0.664	-	0.664	-	-	-	-	0.000	2.238
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

The Virtual Interactive Processing System (VIPS) will modernize and automate the Information Technology (IT) capabilities for qualifying Applicants into the Military Service during wartime, peacetime, and mobilization. VIPS will enable a responsive, flexible and efficient means to qualify Applicants to meet manpower resource requirements for the uniformed Services, Coast Guard, and National Guard routine and contingency operations. VIPS will be the future accessioning system to be used by the US Military Entrance Processing Command (USMEPCOM) which serves as the single entry point for determining the physical, aptitude, and conduct qualifications of candidates for enlistment. VIPS will provide the capability to electronically acquire, process, store, secure, and seamlessly share personnel data across the Accessions Community of Interest (ACOI). When fully implemented, VIPS will reduce the cycle time required to induct enlistees to meet the needs of Homeland Defense, reduce the number of visits to the Military Entrance Processing Stations (MEPS), reduce manual data entry errors, and reduce attrition through better pre-screening practices. The implementation of a Service Oriented Architecture (SOA) approach will enable accession data to be securely available to applicants and ACOI partners such as Recruiting and Training Commands, Defense Manpower Data Center (DMDC), Military Health System, Human Resource Management (HRM), and Defense Travel Management Office (DTMO). VIPS will support compliance with DoD direction for a net-centric environment and take advantage of automated data capture technology, e.g., medical equipment with the capability to capture and electronically transmit exam results. The accessioning system of the future will be location independent, virtually paper-free, and automated to assist with bringing the right people at the right time to operational commanders. On November 1, 2008, the DoD Business Transformation Agency (BTA) assumed program lead.

FY12 Base funding supports USMEPCOM project transformation of VIPS.

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)

	FY 2010	FY 2011	FY 2012
Title: Project Support	0.966	0.584	0.664
Articles:	0	0	
Description: Funding will support the following effort			
FY 2010 Accomplishments: The Virtual Interactive Processing System (VIPS) will modernize and automate the Information Technology (IT) capabilities			
FY 2011 Plans:			

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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 0605013A: <i>Information Technology Development</i>	PROJECT T04: <i>USMEPCOM TRANSFORMATION - IT MODERNIZATION</i>	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
The Virtual Interactive Processing System (VIPS) will modernize and automate the Information Technology (IT) capabilities			
FY 2012 Plans: The Virtual Interactive Processing System (VIPS) will modernize and automate the Information Technology (IT) capabilities			
Title: SBIR/SBTT			
Description: Funding will support the following effort			
FY 2010 Accomplishments: Small Business Innovative Research/Small Business Technology Transfer Program			
Articles:		0.024 0	-
Accomplishments/Planned Programs Subtotals		0.990	0.584
C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
VIPS will be acquired using an incremental acquisition strategy to develop and field the system in multiple increments. Increments will be developed to meet user requirements and place a capability in the hands of the stakeholders as early as possible. The incremental development strategy will allow for opportunities to align VIPS engineering and development with the ongoing deployment of other Service modernization projects such as Defense Travel System (DTS), Armed Forces Health Longitudinal Technology Application (AHLTA), Internet Computerized Adaptive Testing (ICAT), and Defense Integrated Military Human Resources System (DIMHRS), promoting incorporation of existing systems into the VIPS solution and mitigate program costs. Requirements will be based on the industry's capabilities discovered through market sampling and review of technology and systems conducted by PEO-EIS (IMS-A/USMEPCOM), Business Transformation Agency (BTA) and the ACOI.			
In accordance with the incremental acquisition strategy, the program will complete Milestones B and C in stages that correspond to three major increments. Milestone B for Increment 1.0 will be completed by the end of FY 2010. Completion of Milestone B for Increment 1.0 will ensure start of Engineering and Manufacturing Development Phase in FY 2011. The Milestone C for Increment 1.0 will be completed in FY 2011.			
Following the successful acceptance of the Increment 1.0 Initial Operational Test & Evaluation (OT&E) in FY 2011, the system deployment will provide a functional baseline and Initial Operational Capability (IOC) early in the program life cycle. Subsequent to deployment of Increment 1.0, Increment 2.0 will be developed. Milestone B for Increment 2.0 will be completed in FY 2012 and Milestone C for Increment 2.0 will be completed in FY 2012. Increment 2.0 will be deployed in FY 2012/2013. Increment 3.0 development and deployment will occur in FY 2013. Final Full Operational Capability (FOC) scheduled for the end of FY 2013 following completion of a Final Operational Test & Evaluation (FOT&E) to verify that functional capability requirement have been fulfilled and that the system is operationally effective.			

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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 0605013A: <i>Information Technology Development</i>	PROJECT T04: <i>USMEPCOM TRANSFORMTION - IT MODERNIZATION</i>
<p>VIPS will be acquired using a full and open competitive contracting strategy using performance based contracting and will include Earned Value Management (EVM). BTA's VIPS Program Office will employ rigorous cost controls using a comprehensive risk management program to ensure development and deployment of a managed solution that meets USMEPCOM and ACOI requirements and fulfills identified capability gaps.</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-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 0605013A: Information Technology Development				PROJECT T05: ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES			
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
T05: ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES	21.178	6.849	7.145	-	7.145	4.168	4.257	4.279	4.318	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

Adapt/improve/install/field government off the shelf (GOTS), commercial off the shelf (COTS), and new software to perform various tasks in a networked environment such as data warehousing, force management, personnel, installation and environmental databases and applications to support Business System Transformation and Installation Management.

The Army Human Resources Command (HRC) has modernization requirements to add to new capabilities to current IT systems in a sustainment mode. To add these new capabilities, RDT&E funds must be utilized. Currently systems that require these funds for modernization at HRC include: the Army Selection Board System (ASBS), the Officer Selection Support System (OSSS), the Promotion Point Worksheet (PPW), and the GoArmy Ed system. These funds will be aligned against these systems to provide new capabilities as required.

The Program Planning Budget (PPB)- Business Operating System (BOS) will standardize and better integrate the transactional automated information systems used in the HQDA level programming and budgeting processes. These systems are core to the PPBE business processes of the HQ for gathering programmatic requirements, balancing resources and delivering the Army's program budget to OSD. This project is streamlining programming and budgeting processes and significantly improving strategic analysis capabilities. The project is architecting, reengineering, streamlining and consolidating HQDA systems, feeder data base systems, and streamlining the associated processes. These improvements will improve capability eliminate redundancies and reduce overall cost of operations. The PPB BOS project is complementary to the Army's General Fund Enterprise Business System (GFEBS) program.

The Criminal Information Management System (CIMS) is a collection of mission essential information technology (IT) systems within the Criminal Investigation Command (CIDC). It comprises a case management system that includes criminal intelligence querying and reporting capabilities in compliance with regulatory and policy standards for Army Law Enforcement. Connectivity to many CIMS applications occurs through client/server access points that require agents to download program software and coordinate with garrison administrators for installation before being able to access information. Typically client/server applications work well in CONUS-based garrison networks, but are excessively slow in forward deployed locations due to their network hogging bandwidth requirements. Requested RDTE funds are for accelerated development, testing and deployment of a secured web-based platform that will no longer require program software to be downloaded to individual computers and will increase access to information for Special Agents deployed to theater.

The Laboratory Information Management System (LIMS) is a web-based software system used at the United States Army Criminal Investigation Laboratory (USACIL) at Fort Gillem, GA for the management of casework and tracking of all evidence received and processed. The USACIL requires RDT&E funding to complete the configuration, installation and validation of additional LIMS modules in support of forensics (to include the Materials Management, Equipment Management, Proficiency Testing, Training and Crime Scene support); and, to support the development, configuration and implementation of an Expeditionary Forensics Laboratory Information

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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 0605013A: Information Technology Development	PROJECT T05: ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES		
Management System (eLIMS) in theater. The eLIMS is the conduit between the deployed labs and the laboratory located at Ft. Gillem. The eLIMS would provide the forensic analysts with the ability to collect, track, store and analyze evidence collected from battlefield crime scenes at required competency levels of testing and calibration. It will allow the results to be electronically maintained and transmitted to the permanent physical lab at Ft. Gillem, Ga. In addition, the system would afford the analysts electronic access to shared case management and evidence databases at the LAB from their deployed positions. At the current configuration of LIMS from CONUS locations, transmission of case related information can be processed in real time; however, transmission of case related information in theater takes approximately 1-2 hours. If requirements are not funded, the USACIL will not be able to complete and implement the additional forensic modules for the core LIMS or develop and implement the eLIMS for the deployable labs. The stated objective will be delayed, resulting in a less than efficient process for handling of cases in theater and an inability to meet acceptable levels of turnaround time for casework.					
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)			FY 2010	FY 2011	FY 2012
Title: Army Business System Modernization Initiatives			21.178	6.849	7.145
Articles:			0	0	
Description: The Army Human Resources Command (HRC) modernization requirements will add new capabilities to legacy IT systems that support human resource functions such as organization and position management, training, and employment. The PPB BOS system standardize and integrate the transactional information systems used in the Headquarters Department of Army (HQDA) Programming and Budgeting processes. The program is streamlining programming and budgeting business processes and significantly improving strategic analysis capabilities. The PPB BOS architecture reengineers, streamlines, and consolidates HQDA systems and financial feeder systems; aligns to the DoD Business Enterprise Architecture (BEA); implements powerful business intelligence analytical tools to support strategic planning, programming, and budgeting within HQDA; and provides access to GFEBS funds management and execution data through system interfaces with required SFIS compliancy integral to the PPB BOS data model. The CIMS program will provide criminal intelligence querying and reporting capabilities in compliance with regulatory and policy standards for Army Law Enforcement regarding investigation of felony crimes. CIMS will captures criminal case investigative information regarding incidents, location descriptors, entities (name, social security number, rank, title, physical characteristics, sex, birth place, and date), agent assignment, crime description and identifiers, statements, property data, laboratory tests; verifies and stores this data for criminal intelligence purposes: and reports this information to the proper authorities from the Division Commanding Officer to the United States Grand Jury. The system will extract necessary data for consolidation and input to Defense Incident-Based Reporting System (DIBRS) monthly reports, National Incident-Based Reporting System (NIBRS) monthly reports and the Defense Clearance and Investigations Index (DCII) daily updates. The LIMS system will automate business processes that support the forensic examiners. These processes include, but are not limited to, analytics, materials management, management reporting, Freedom of Information Act requests (FOIA), legal discovery request, court preparation and outsource processing.					
FY 2010 Accomplishments:					

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011
<p>Started the initial deployment of the enterprise -level PPB BOS application to improve operations, reduce workload, expand data visibility, and transfer budget data to the Army's financial enterprise resource system the General Fund Enterprise Business System.</p> <p><i>FY 2011 Plans:</i> Continued deployment and final fielding of the enterprise-level PPB BOS application throughout HQDA and the transfer of budget data to the Army's financial enterprise resource system, the General Fund Enterprise Business System. Field the full operating capability of the Army Mapper system, which is the Army Geospatial data base of record and the HQDA repository for all Installation & Environment related geo-spatial data systems.</p> <p><i>FY 2012 Plans:</i> Complete development of the enterprise-level PPB BOS application throughout HQDA and the transfer of budget data to the Army's financial enterprise resource system, the General Enterprise Business System. Start the development, configuration, and implementation of the Criminal Information Management system (CIMS) and the Laboratory Information Management System (LIMS) to support the administrative requirements for law enforcement management within the Criminal Investigation Command (CIDC). Army Human Resources Command will update and add new capabilities to several IT systems currently in sustainment, which includes the Army Selection Board system, the Officer Selection Support system, the Promotion Point Worksheet, and the Go Army Education system.</p>			
Accomplishments/Planned Programs Subtotals		21.178	6.849
C. Other Program Funding Summary (\$ in Millions)			
N/A			
D. Acquisition Strategy			
Modernize IT legacy systems across Army IT domains by adapting/improving government off the shelf (GOTS), commercial off the shelf (COTS), and new software development to perform various tasks in a networked environment. These efforts include the Army Selection Board System (ASBS), the Officer Selection Support System (OSSS), the Promotion Point Worksheet (PPW), the ArmyGoEd system, the Criminal Information Management System (CIMS), the Laboratory Information Management System (LIMS), and the Program Planning Budget Execution (PPBE) - Business Operating System (BOS).			
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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