Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army										DATE: February 2012	
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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
Total Program Element	50.054	32.065	51.463	-	51.463	48.172	44.506	43.899	36.978	Continuing	Continuing
087: *Distributed Learning System (DLS)*	0.334	-	-	-	-	-	-	-	-	Continuing	Continuing
099: *Army Human Resource System (AHRS)*	1.227	2.360	0.705	-	0.705	0.687	0.696	0.692	0.692	Continuing	Continuing
184: *INSTALLATION SUPPORT MODULES (ISM)*	2.218	2.297	2.096	-	2.096	2.034	2.071	2.090	2.054	Continuing	Continuing
193: *MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE*	4.203	6.571	4.285	-	4.285	4.266	4.270	4.445	4.557	Continuing	Continuing
474: *ENTERPRISE TRANSMISSION SYSTEMS*	2.622	4.692	2.506	-	2.506	2.333	2.163	2.226	2.238	Continuing	Continuing
738: *AcqBiz*	5.892	9.389	14.837	-	14.837	12.485	12.266	10.962	3.842	Continuing	Continuing
AE5: *HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)*	24.243	-	-	-	-	-	-	-	-	Continuing	Continuing
M05: *Enterprise Army Workload & Performance Sys (eAWPS)*	2.916	-	0.817	-	0.817	0.822	0.777	0.747	0.759	Continuing	Continuing
T04: *USMEPCOM TRANSFORMTION - IT MODERNIZATION*	0.563	0.663	-	-	-	-	-	-	-	Continuing	Continuing
T05: *ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES*	5.836	6.093	26.217	-	26.217	25.545	22.263	22.737	22.836	Continuing	Continuing

Note

Increase of $18.614M supports 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.

Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army	DATE: February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0605013A: *Information Technology Development*

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 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)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	23.957	37.098	32.849	-	32.849
Current President's Budget	50.054	32.065	51.463	-	51.463
Total Adjustments	26.097	-5.033	18.614	-	18.614
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	18.614	-	18.614
• Other Adjustments 1	26.097	-5.033	-	-	-

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army										DATE: February 2012	

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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
087: *Distributed Learning System (DLS)*	0.334	-	-	-	-	-	-	-	-	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 electronically exportable 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 Soldiers 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 Increment 1 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 (118 DTFs at the Active Component (AC) and 104 DTFs at the United States Army Reserve (USAR)). DLS Increment 2 fielded the DLS Enterprise Management Center (EMC) that networked all of the global DFTs. 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. DLS Increment 4, Deployed Digital Training Campus (DDTC), approved for Full Deployment Decision Review (FDDR) in January 2010, will have fielded a total of 42 of 50 DDTC systems by end of FY 2013. The DDTC is a mobile electronic training platform which will enable deployed Soldiers to take training.

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

	FY 2011	FY 2012	FY 2013
Title: Planned Program: Increment 3 (ALMS) - Engineering Change Proposals (ECP) Operational Test & Evaluation (OT&E)	0.334	-	-
Articles:	0		
Description: Planned Program: Increment 3 (ALMS) - Engineering Change Proposals (ECP) Operational Test & Evaluation (OT&E) [FY2011 Core]			
FY 2011 Accomplishments:			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
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	0.334	-	-

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• 432612000, 432615000: *OMA APEs*	43.635	41.642	34.634		34.634		39.380	41.610	39.696	Continuing	Continuing
• BE4173: *Distributed Learning System (DLS)*	9.801	7.876	6.163		6.163		7.821	6.988	4.910	Continuing	Continuing

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.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)				R-1 ITEM NOMENCLATURE PE 0605013A: Information Technology Development				PROJECT 099: Army Human Resource System (AHRS)		

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
099: Army Human Resource System (AHRS)	1.227	2.360	0.705	-	0.705	0.687	0.696	0.692	0.692	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.

FY 2013 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.

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army		**DATE:** February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0605013A: *Information Technology Development*	**PROJECT** 099: *Army Human Resource System (AHRS)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2011**	**FY 2012**	**FY 2013**
Title: AHRS	1.227	2.360	0.705
Articles:	0	0	
Description: Funding will support Post Deployment Software Support (PDSS) *FY 2011 Accomplishments:* 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 *FY 2013 Plans:* Engineering Change Packages (ECPs)/System Change Packages (SCPs) Interim Change Packages (ICPs) in support of eMILPO and DTAS			
Accomplishments/Planned Programs Subtotals	1.227	2.360	0.705

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• STACOMP: *STACOMP*	28.849	143.122	123.657		123.657		81.506	82.052		Continuing	Continuing
• AHRS: *AHRS*	13.524	12.185								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.

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army		**DATE:** February 2012
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0605013A: *Information Technology Development*	**PROJECT** 099: *Army Human Resource System (AHRS)*

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.

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2013 Army												**DATE:** February 2012		

APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*	**R-1 ITEM NOMENCLATURE** PE 0605013A: *Information Technology Development*	**PROJECT** 099: *Army Human Resource System (AHRS)*

Product Development ($ in Millions)				**FY 2012**		**FY 2013 Base**		**FY 2013 OCO**		**FY 2013 Total**			
Cost Category Item	**Contract Method & Type**	**Performing Activity & Location**	**Total Prior Years Cost**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Award Date**	**Cost**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
AHRS - ECPs/SCPs/ICPs	C/FFP	Hewlit Packard:various	88.051	1.272		0.400		-		0.400	Continuing	Continuing	Continuing
AHRS - Software Development	C/FFP	Hewlit Packard:various	50.635	1.088		0.305		-		0.305	Continuing	Continuing	Continuing
		Subtotal	138.686	2.360		0.705		-		0.705			

	Total Prior Years Cost	**FY 2012**		**FY 2013 Base**		**FY 2013 OCO**		**FY 2013 Total**	**Cost To Complete**	**Total Cost**	**Target Value of Contract**
Project Cost Totals	138.686	2.360		0.705		-		0.705			

Remarks

| Exhibit R-2A, RDT&E Project Justification: PB 2013 Army | | | | | | | | | DATE: February 2012 | |

| 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) |

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
184: INSTALLATION SUPPORT MODULES (ISM)	2.218	2.297	2.096	-	2.096	2.034	2.071	2.090	2.054	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 FY11 and FY12 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.

ISM Core 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 e-Signature systems to reduce soldier wait time for signature verification from 30 minutes per transaction to less than one minute.

Funding for CWID will continue to facilitate Coalition Force interoperability research and development. Funding for ABHIDE will continue development of the system.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012		
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 2011	FY 2012	FY 2013
Title: Independent Verification and Validation (IV&V) Testing <div align=right>***Articles:***</div>	0.062 0	0.063 0	0.064
Description: Independent Verification and Validation (IV&V) Testing *FY 2011 Accomplishments:* Required Independent Verification and Validation (IV&V) Testing *FY 2012 Plans:* Required Independent Verification and Validation (IV&V) Testing *FY 2013 Plans:* Required Independent Verification and Validation (IV&V) Testing.			
Title: Post-Deployment Software Support (PDSS) - Engineering Change Packages (ECPs)/System Change Packages (SCPs) <div align=right>***Articles:***</div>	0.354 0	0.385 0	0.321
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 2011 Accomplishments:* Accomplished: 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. *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			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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 2011	FY 2012	FY 2013
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. *FY 2013 Plans:* Planned: apply commercial off the shelf e-Signature software to existing applications to reduce soldier wait time for processing signatures from 30 minutes per transaction to under one minute. Funds are also intended to upgrade core systems hardware to improve overall efficiency. Current equipment was installed in 2002 and is inadequate for forcasted workloads.			
Title: Coalition Warfighter Interoperability Demonstration (CWID) ***Articles:*** *Description:* Coalition Warfighter Interoperability Demonstration (CWID) *FY 2011 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 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.	0.296 0	0.291 0	-
Title: Army Behavioral Health Integrated Data Environment ***Articles:*** *Description:* Army Behavioral Health Integrated Data Environment (ABHIDE) will be the U.S. Army Center for Health Promotion and Preventive Medicine (CHPPM) Suicide Registry. *FY 2011 Accomplishments:* 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	1.506 0	1.558 0	1.711

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army		**DATE:** February 2012
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 2011**	**FY 2012**	**FY 2013**
trends in behavior patterns and identify potential indicators for suicidal tendencies supporting the mitigation of future suicide attempts across all phases of Army service. *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. *FY 2013 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.			
Accomplishments/Planned Programs Subtotals	2.218	2.297	2.096

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• BE4162: *MACOM AUTOMATION SYSTEMS*	108.194	71.591	56.990		56.990		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.

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.

| Exhibit R-2A, RDT&E Project Justification: PB 2013 Army | | | | | | | | | DATE: February 2012 | |

APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT
2040: *Research, Development, Test & Evaluation, Army* BA 5: *Development & Demonstration (SDD)*	PE 0605013A: *Information Technology Development*	193: *MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE*

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
193: *MEDICAL COMMUNICATIONS FOR COMBAT CASUALTY CARE*	4.203	6.571	4.285	-	4.285	4.266	4.270	4.445	4.557	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 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, which 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.

FY 2013 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 2011	FY 2012	FY 2013
Title: Engineering and Technical Support	1.003	1.766	0.716
Articles:	0	0	

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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 2011	FY 2012	FY 2013
Description: Engineering and Technical Support for P3I and System Upgrades, Systems Integration, and Software Support. *FY 2011 Accomplishments:* Engineering and Technical Support for P3I and System Upgrades, Systems Integration, and Software Support. *FY 2012 Plans:* Engineering and Technical Support for P3I and System Upgrades, Systems Integration, and Software Support. *FY 2013 Plans:* Engineering and Technical Support for P3I and System Upgrades, Systems Integration, and Software Support.			
Title: MC4 Information Assurance (IA) Testing Articles:	0.483 0	0.502 0	0.523
Description: Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems. *FY 2011 Accomplishments:* 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. *FY 2013 Plans:* Ensures IA compliance through Army security testing and submission, accreditation, IAVA patches and interfaces with other systems.			
Title: PMO Testing Support Articles:	0.479 0	0.831 0	0.542
Description: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies. *FY 2011 Accomplishments:* Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies. *FY 2012 Plans:*			

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army		**DATE:** February 2012
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 2011**	**FY 2012**	**FY 2013**
Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies.			
FY 2013 Plans: Test augmentation to include DHIMS/TMIP-J and other Army unique software capabilities by outside agencies.			
Title: MC4/TMIP Integration and Testing **Articles:**	2.238 0	3.472 0	2.504
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 2011 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 2012 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 2013 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.			
Accomplishments/Planned Programs Subtotals	4.203	6.571	4.285

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• OPA SSN MA8046: *OPA*	21.245	23.084	22.899		22.899		23.734	24.123	24.540	Continuing	Continuing
• OMA PE 432612: *OMA*	9.360	8.051	6.906		6.906		3.436	3.495	3.554	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 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

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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*

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army		DATE: February 2012			
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)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Prog Mgmt Operations	Various	PMO:various	8.405	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	8.405	-		-		-		-			

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)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Engineering & Tech Spt	Various	L3 (was Titan):various	6.088	1.766		0.716		-		0.716	Continuing	Continuing	Continuing
Information Assurance	Various	ISEC Support:AZ	1.783	0.502		0.523		-		0.523	Continuing	Continuing	Continuing
		Subtotal	7.871	2.268		1.239		-		1.239			

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

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PMO Testing Spt	Various	ATEC/AMEDD Board:various	5.212	0.831		0.542		-		0.542	Continuing	Continuing	Continuing
MC4/TMIP System Engineering	Various	John Hopkins University (JHU) Applied Physics Lab:MD	32.124	-		-		-		-	Continuing	Continuing	Continuing
MC4/TMIP System Engineering	C/T&M	L3 Communications:Frederick MD	2.238	3.472		2.504		-		2.504	Continuing	Continuing	0.000
		Subtotal	39.574	4.303		3.046		-		3.046			

PE 0605013A: *Information Technology Development*
Army

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army		**DATE:** February 2012
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*

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	55.850	6.571	4.285	-	4.285			

Remarks

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	
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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
474: *ENTERPRISE TRANSMISSION SYSTEMS*	2.622	4.692	2.506	-	2.506	2.333	2.163	2.226	2.238	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 Army Logistics Information Systems (LIS) 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.

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

	FY 2011	FY 2012	FY 2013
Title: Accomplishments and Planned	2.622	4.692	2.506
Articles:	0	0	
Description: Funding is provided for the following efforts: *FY 2011 Accomplishments:* FY2011 funding supported evaluation, testing, Information Assurance Vulnerability Management (IAVM) compliance and technical support requirements. *FY 2012 Plans:* FY2012 funding is supporting continuous evaluation, testing, Information Assurance Vulnerability Management (IAVM) compliance and technical support requirements. *FY 2013 Plans:* FY2013 funding will support follow-on evaluation, testing, Information Assurance Vulnerability Management (IAVM) compliance and technical support requirements.			
Accomplishments/Planned Programs Subtotals	2.622	4.692	2.506

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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*

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• OPA, BD3512: *OPA, BD3512*	22.540	16.376	10.500		10.500					0.000	49.416
• OMA, 423612: *OMA, 423612*	5.678	3.424	5.620		5.620					0.000	14.722

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 CAISI 2.0.

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army			DATE: February 2012

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)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Research, modification/ integration and testing of CAISI 2.0.	MIPR	ISEC:Technical/ Integration Support	25.401	1.910		0.800		-		0.800	Continuing	Continuing	Continuing
Subtotal			25.401	1.910		0.800		-		0.800			

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Office Support	SS/FP	Springfield, VA:SETA Contractor Support	-	1.787		0.906		-		0.906	1.814	4.507	0.000
Subtotal			-	1.787		0.906		-		0.906	1.814	4.507	0.000

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Research, modification/ integration and testing of CAISI 2.0.	MIPR	ISEC:Technical/ Integration Support	25.620	0.995		0.800		-		0.800	Continuing	Continuing	Continuing
Subtotal			25.620	0.995		0.800		-		0.800			

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	51.021	4.692	2.506	-	2.506			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army		DATE: February 2012
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*

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
CAISI 5.4 Firmware Test & Evaluation					█	█	█																					
ES2440 Radio Test & Evaluation					█	█	█	█	█																			
CAISI Firmware Implementation						█	█	█	█	█	█	█	█	█														
CAISI 3.X ES2440 Radio Hardware							█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█	█				

Exhibit R-4A, RDT&E Schedule Details: PB 2013 Army		DATE: February 2012
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*

Schedule Details

Events	Start		End	
	Quarter	**Year**	**Quarter**	**Year**
CAISI 5.4 Firmware Test & Evaluation	1	2012	4	2012
ES2440 Radio Test & Evaluation	1	2012	2	2013
CAISI Firmware Implementation	3	2012	4	2014
CAISI 3.X ES2440 Radio Hardware	4	2012	3	2016

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	
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*	

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
738: *AcqBiz*	5.892	9.389	14.837	-	14.837	12.485	12.266	10.962	3.842	Continuing	Continuing
Quantity of RDT&E Articles											

A. Mission Description and Budget Item Justification

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.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: Design, Development, and Test	4.800	8.275	12.760
Articles:	0	0	
Description: This effort supports the ultimate integration of the AcqBusiness Portfolio *FY 2011 Accomplishments:* Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio. *FY 2012 Plans:* Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio. *FY 2013 Plans:* Analysis and Design, Development, Test and Integration of AcqBusiness Portfolio.			
Title: Program Management	1.092	1.114	2.077
Articles:	0	0	
Description: This effort provides program management in support of the AcqBusiness Portfolio. *FY 2011 Accomplishments:*			

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army	**DATE:** February 2012	
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 2011**	**FY 2012**	**FY 2013**
Program Management			
FY 2012 Plans: Program Management			
FY 2013 Plans: Program Management			
Accomplishments/Planned Programs Subtotals	5.892	9.389	14.837

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
• OMA: *OMA APE*	10.117	11.238	11.871		11.871		12.281	13.036	12.112	Continuing	Continuing

D. Acquisition Strategy

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 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.

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012		
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)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Program Management Support	Various	Government:various	7.989	1.114		2.077		-		2.077	Continuing	Continuing	Continuing
Subtotal			7.989	1.114		2.077		-		2.077			

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Analysis and Design, Development, Integration	Various	Booz, Allen and Hamilton:Springfield	41.523	8.275		12.760		-		12.760	Continuing	Continuing	Continuing
Subtotal			41.523	8.275		12.760		-		12.760			

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	49.512	9.389	14.837	-	14.837			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army		DATE: February 2012
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*

	FY 2011				FY 2012				FY 2013				FY 2014				FY 2015				FY 2016				FY 2017			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Increment Five IOC			■																									
Increment Six IOC						■																						
Increment Seven IOC									■																			
Increment Eight IOC													■															
Increment Nine IOC																	■											
Increment Ten IOC																					■							
Increment Eleven IOC																									■			

Exhibit R-4A, **RDT&E Schedule Details:** PB 2013 Army	**DATE:** February 2012

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 Five IOC	3	2011	3	2011
Increment Six IOC	2	2012	2	2012
Increment Seven IOC	1	2013	1	2013
Increment Eight IOC	1	2014	1	2014
Increment Nine IOC	1	2015	1	2015
Increment Ten IOC	1	2016	1	2016
Increment Eleven IOC	1	2017	1	2017

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 5: Development & Demonstration (SDD)	R-1 ITEM NOMENCLATURE PE 0605013A: Information Technology Development	PROJECT AE5: HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)

COST ($ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
AE5: HEADQUARTERS ARMY ENVIRONMENTAL SYSTEM (HQAES)	24.243	-	-	-	-	-	-	-	-	Continuing	Continuing
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 2011	FY 2012	FY 2013
Title: Headquarters Army Environmental System (HQAES) Articles:	24.243 0	-	-
Description: Funding supports Engineering and Development efforts. FY 2011 Accomplishments: Funding supports Engineering and Development efforts.			
Accomplishments/Planned Programs Subtotals	24.243	-	-

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.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	

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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
M05: *Enterprise Army Workload & Performance Sys (eAWPS)*	2.916	-	0.817	-	0.817	0.822	0.777	0.747	0.759	Continuing	Continuing
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, with initial fielding to a single site to further demonstrate capabilities in a live environment. The system will enable 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

FY 2013 and out funding is seed money to support future requirements of the P2P program.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Title: System Development	2.916	-	0.817
Articles:	0		
Description: Software and architecture development			
FY 2011 Accomplishments:			

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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)*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
Software and architecture development			
FY 2013 Plans: Seed funding for software and architecture development			
Accomplishments/Planned Programs Subtotals	2.916	-	0.817

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.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	

| 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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
T04: USMEPCOM TRANSFORMTION - IT MODERNIZATION	0.563	0.663	-	-	-	-	-	-	-	Continuing	Continuing
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 2011	FY 2012	FY 2013
Title: Project Support	0.563	0.663	-
Articles:	0	0	
Description: Funding will support the following effort			
FY 2011 Accomplishments: The Virtual Interactive Processing System (VIPS) modernizes and automates the Information Technology (IT) capabilities			
FY 2012 Plans: The Virtual Interactive Processing System (VIPS) will modernize and automate the Information Technology (IT) capabilities			
Accomplishments/Planned Programs Subtotals	0.563	0.663	-

Exhibit R-2A, **RDT&E Project Justification:** PB 2013 Army		**DATE:** February 2012
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*

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.

  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.

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.

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army									DATE: February 2012	

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 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	FY 2014	FY 2015	FY 2016	FY 2017	Cost To Complete	Total Cost
T05: *ARMY BUSINESS SYSTEM MODERNIZATION INITIATIVES*	5.836	6.093	26.217	-	26.217	25.545	22.263	22.737	22.836	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 two efforts for which RDT&E will be applied. One is to prepare those systems for subsumption by the Integrated Personnel and Pay System (IPPS-A). The other is to disconnect and upgrade those systems not being subsumed by IPPS-A. Many systems have delayed upgrade do to the planned release of DIMHRS. Systems that will be targeted by HRC to prepare for IPPS-A subsumption or upgrade are the Enlisted Distribution and Assignment System (EDAS), Soldier Management System (SMS), the Army Strategic Readiness Update (ASRU), the Keystone Retain System, and the Interactive Personnel Electronic Records Management System (iPERMS).

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 Law Enforcement Advisory Program (LEAP), formerly known as the Criminal Information Management System (CIMS), is a collection of mission essential information technology (IT) systems within the Criminal Investigation Command (CIDC) and the Office of the Provost Marshal General (OPMG). USACIDC and OPMG has been tasked by the Army Health Promotion/Risk Reduction (HP/RR) task force to develop and integrate a unified, comprehensive enterprise program / system that shall house Classified and Unclassified - Law Enforcement Sensitive (LES) data which shall leverage existing and future Army LE enterprise information technology (IT) assets and other external data sources providing a full range of law enforcement functions to support business objectives and mission. This new comprehensive enterprise environment shall provide US Army LE stakeholders the enhanced capability to rapidly and efficiently manage a variety of LE and criminal intelligence (CrimIntel) functions; as well as a broader range of senior executive reporting requirements.

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

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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*

Testing, Training and Crime Scene support); and, to support the development, configuration and implementation of an Expeditionary Forensics Laboratory Information 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 2011	FY 2012	FY 2013
Title: Army Business System Modernization Initiatives	5.836	6.093	26.217
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 LEAP 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. LEAP 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 2011 Accomplishments:

Exhibit R-2A, RDT&E Project Justification: PB 2013 Army		DATE: February 2012
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*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2011	FY 2012	FY 2013
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. *FY 2012 Plans:* 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 Law Enforcement Advisory Program (LEAP) 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. *FY 2013 Plans:* Will continue 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. Will 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.			
Accomplishments/Planned Programs Subtotals	5.836	6.093	26.217

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 Enlisted Distribution and Assignment System (EDAS), Soldier Management System (SMS), the Army Strategic Readiness Update (ASRU), the Keystone Retain System, and the Interactive Personnel Electronic Records Management System(iPERMS), Law Enforcement Advisory Program (LEAP), 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.

Exhibit R-3, **RDT&E Project Cost Analysis:** PB 2013 Army											**DATE:** February 2012	

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*

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PRODUCT DEVELOPMENT FOR KEYSTONE RETAIN SYSTEM, i-PERMS PRODUCT DEVELOPMENT	MIPR	M&RA/ G-1:ARLINGTON, VA	3.154	3.417		13.978		-		13.978	51.578	72.127	64.528
PPBOS PRODUCT DEVELOPMENT	MIPR	OAA:FORT BELVOIR, VA	1.930	1.930		1.820		-		1.820	7.541	13.221	24.001
		Subtotal	5.084	5.347		15.798		-		15.798	59.119	85.348	88.529

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	FY 2012		FY 2013 Base		FY 2013 OCO		FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
IPPS-A SUPPORT COSTS	MIPR	HRC:FORT KNOX, KY	0.752	0.746		7.742		-		7.742	14.421	23.661	25.119
Law Enforcement Advisory Program(LEAP)	MIPR	ACC/NCR:Quantico, VA	-	-		2.677		-		2.677	0.000	2.677	0.000
		Subtotal	0.752	0.746		10.419		-		10.419	14.421	26.338	25.119

	Total Prior Years Cost	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	5.836	6.093	26.217	-	26.217	73.540	111.686	113.648

Remarks