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

APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>							
COST (\$ in Millions)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total	FY 2013	FY 2014	FY 2015	FY 2016	Cost To Complete	Total Cost
Total Program Element	61.313	118.090	61.220	-	61.220	55.924	52.301	50.520	47.881	Continuing	Continuing
491: <i>INFORMATION ASSURANCE DEVELOPMENT</i>	14.698	11.905	15.709	-	15.709	9.454	9.616	7.133	5.265	Continuing	Continuing
501: <i>ARMY KEY MGT SYSTEM</i>	1.810	-	-	-	-	-	-	-	-	0.000	1.810
50B: <i>BIOMETRICS</i>	23.771	8.267	8.060	-	8.060	8.199	7.330	7.046	6.922	Continuing	Continuing
5PM: <i>DOD BIOMETRICS PROGRAM MANAGEMENT</i>	21.034	97.918	37.451	-	37.451	38.271	35.355	36.341	35.694	Continuing	Continuing

A. Mission Description and Budget Item Justification

The Communications Security Equipment Program develops Information Systems Security (ISS) equipment and techniques required to combat threat Signal Intelligence capabilities and to insure the integrity of data networks. The Army's Research Development Test and Evaluation (RDTE) ISS program objective is to implement National Security Agency (NSA) developed security technology in Army information systems. Communications Security Equipment(COMSEC)technology ensures total signal and data security for all Army information systems to include any operational enhancement and specialized Army configurations. The Army Key Management System (AKMS) automates key generation and distribution while supporting joint interoperability. It provides communications and network planning with key management. AKMS is a part of the management/support infrastructure for the Warfighter Information Network - Tactical (WIN-T) program. Additional modifications to the AKMS baseline are required to support the emerging WIN-T architecture. System security engineering, integration of available Information Security (INFOSEC) products, development, and testing are provided to ensure that Command, Control, Communications and Computer Intelligence (C4I) systems are protected against malicious or accidental attacks. Several joint service/NSA working groups exist in the area of key management in order to avoid duplication and assure interoperability between all systems, including the establishment of standards and testing. The Defense Information Systems Agency (DISA) Multi-Level Security (MLS) working group coordinates all the different ongoing technology efforts. This program will also develop, integrate, and demonstrate Command and Control (C2) Protect Common Tools into C4I systems that manage, protect, detect and react to C2 system vulnerabilities, threats, reconfigurations, and reconstitutions. Modeling, simulation, and risk management tools will be used to develop C2 Protect capabilities, enabling the warfighter to distribute complete and unaltered information and maintain a dynamic, continuous synchronous operational force.

Biometrics (measurable physical and behavioral characteristics that enable the establishment and verification of an individual's identity), is a component within the Information System Security Program (ISSP). The Biometrics Identity Management Agency (BIMA), formerly the Biometrics Task Force (BTF), (Project 50B) leads DoD activities to program, integrate, and synchronize biometric technologies and capabilities and to operate and maintain DoD's authoritative biometric database to support the National Security Strategy. DoDD 8521.01E established the DoD Biometrics Program and designated the Secretary of the Army as the Executive Agent for DoD Biometrics; the Director of BIMA is the Executive Manager for executing these functions across the military Services and DoD agencies.

PM DoD Biometrics (Project 5PM) is responsible for the development and procurement of the Biometrics Enabling Capability (BEC), an Acquisition Category (ACAT) I - Special Interest Program, which is the DoD Program of Record for an enterprise biometric system authoritative database/repository and enterprise biometric services.

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>
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Capabilities shall include multi-modal storage and matching, state-of-the-art Service Oriented Architecture (SOA), management portal, Biometrically Enabled Watch-List (BEWL), increased system capacity and processing ability and system interoperability and data sharing with government agencies and stakeholders including Department of Justice (DOJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), National Ground Intelligence Center (NGIC), Department of State (DOS), United States Central Command (CENTCOM), United States Special Operations Command (SOCOM) and other DOD and Federal agencies as required. The current prototype capability, Next Generation Automated Biometric Identification System (NG-ABIS) was developed as a Quick Reaction Capability (QRC) based on a CENTCOM Joint Urgent Operational Needs Statement (JUONS). NG-ABIS provides a robust capability for distinguishing friend from foe in hot spots around the globe. NG-ABIS enables near-instantaneous device-to-database communication and lays the foundation for enhanced device-to-device communication, reducing cycle and response times. NG-ABIS receive submissions from existing QRC-based collection devices. NG-ABIS also receives requests by authorized users to perform storage retrieval, searches of biometric data collection and matching results. NG-ABIS provides a reliable and effective tool for overseas operations by allowing the Warfighter to make near real-time retention, capture or release decision. NG-ABIS will transition into BEC Increment 0 upon receiving a Full Deployment Decision (FDD) during 3QFY11.

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	61.077	119.806	56.583	-	56.583
Current President's Budget	61.313	118.090	61.220	-	61.220
Total Adjustments	0.236	-1.716	4.637	-	4.637
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	0.236	-1.716	4.637	-	4.637

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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 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program				PROJECT 491: INFORMATION ASSURANCE 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
491: INFORMATION ASSURANCE DEVELOPMENT	14.698	11.905	15.709	-	15.709	9.454	9.616	7.133	5.265	Continuing	Continuing
Quantity of RDT&E Articles											
A. Mission Description and Budget Item Justification											
This project implements National Security Agency (NSA) developed security technologies in Army information systems. Project objectives are to provide systems security mechanisms through encryption, trusted software or standard operating procedures, and to integrate these mechanisms into specified systems, securing operations in as transparent a manner as possible. This entails architecture studies, modeling, system integration and testing, installation kits, and certification and accreditation of Automation Information Systems. Project will also assess, develop, integrate and demonstrate information assurance (IA) common tools (hardware and software) providing protection for fixed infrastructure post, camp and station networks as well as efforts on tactical networks. The cited work is consistent with Strategic Planning Guidance and the Army Modernization Plan.											
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Tactical C2 Protect Tools Articles: Description: Description: This program will right or adjust COMSEC policies to assure COMSEC policy remains in coordination with the latest COMSEC technologies. FY 2010 Accomplishments: Developed Information Assurance research and development near term solutions for the Warfighter such as the Armadillo Linux Hardening tool. This tool has applicability to Army Certification Agencies (ACA) as well as other other Army Programs of Record (POR). FY 2011 Plans: Continue development and plan for transition of solutions to the Army Warfighter, ACAs and other PORs. Tools being developed are Armadillo and the Purge Farm and will see early use by the cognizant Army users. Continue to enhance these baselines and work closely with users for other changes or enhancements. FY 2012 Base Plans: This program will right or adjust COMSEC policies to assure COMSEC policy remains in coordination with the latest COMSEC technologies.							6.040	5.980	5.000	-	5.000
							0	0			
Title: Crypto Mod and Key Management Program							8.658	5.925	4.268	-	4.268

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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 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program		PROJECT 491: INFORMATION ASSURANCE DEVELOPMENT		
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)						
		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Articles:		0	0			
Description: Description: This program develops and integrates new and emerging cryptographic systems to support the Army Crypto Mod Transformational Initiative. There are currently 1.6 million embedded and stand alone Army crypto devices undergoing an extensive transformation to net-centricity. This modernization of the Army crypto inventory is a complex, technology driven information assurance effort. Device specifications are constantly evolving, and this program is accountable for legacy device interoperability. A thorough technical analysis allows for the greatest chance of success.						
FY 2010 Accomplishments: Evaluated the performance of Crypto Mod compliant 10 G and Synchronous Optical Networking (SONET) devices, including KG245X, KG75A, and KG340. Evaluated the performance of alternate and special purpose Last Mile devices including the Really Simple Key Loader (RSKL) and Tactical Key Loader (TKL). Evaluated the performance of software releases and changes to Electronic Key Management System (EKMS) and Army Key Management System (AKMS).						
FY 2011 Plans: Evaluate the performance Crypto Mod compliant devices, including new software releases to High Assurance Internet Protocol Encryptor (HAIPE) 4.0 devices. As part of Comprehensive National Cybersecurity Initiative (CNCI) integration, begin migration to NSA approved Commercial Off The Shelf (COTS) solutions, including secure laptop and data-at-rest solutions. Evaluate the performance of initial software releases to Key Management Infrastructure (KMI) CI-2. Begin to evaluate the performance of initial Electronic Key Management System (EKMS) / Army Key Management System (AKMS) to KMI transition strategies.						
FY 2012 Base Plans: Will evaluate the performance of Crypto Mod compliant devices including the initial Suite B IPsec devices built on commercial standards. This is the initial step in the migration to NSA approved Commercial Off the Shelf (COTS) devices for Secret and below information in place of Governmnet Off The Shelf (GOTS) devices. Will evaluate Secure Smartphone based on a COTS platform for Mobile secure use. Will evaluate Key Management Infrastructure (KMI) CI-2, Spiral 2 initial release and migrate initial crypto devices (High Assurance Internet Protocol Encryptor HAIPE) to KMI based key delivery. Will evaluate delivery of NSA produced keys for COTS devices.						
Title: Network Operations		-	-	6.441	-	6.441

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>		PROJECT 491: <i>INFORMATION ASSURANCE DEVELOPMENT</i>	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<p>Description: Resourcing will support the network operations from end-to-end throughout the force and the COE thus mitigating IA networked vulnerabilities to national information security systems.</p> <p>FY 2012 Base Plans: Resourcing will support the network operations from end-to-end throughout the force and the COE thus mitigating IA networked vulnerabilities to national information security systems.</p>					
Accomplishments/Planned Programs Subtotals	14.698	11.905	15.709	-	15.709

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

D. Acquisition Strategy
The objective of this project is to develop, integrate and validate hardware and software solutions that will secure current and objective architecture and electronic business/commerce transactions. Project focuses on completing development and evaluation of Battle Command and control IA common tools and the procurement and institutionalization of information assurance related hardware and software, as well as techniques and procedures. The objective of the DOD Crypto Modernization Program is to provide adaptive, flexible, and programmable cryptographic systems using best practices, lessons learned and programmatic management to meet the challenge of modernizing the Army's aging cryptographic systems. The network operations effort will support the network operations from end-to-end throughout the force and the COE thus mitigating IA networked vulnerabilities to national information security systems.

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 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program				PROJECT 491: INFORMATION ASSURANCE DEVELOPMENT					
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
System Engineering	C/FP	CECOM RDEC:CECOM RDEC Ft Monmouth, NJ	59.876	5.652		2.572		-		2.572	Continuing	Continuing	Continuing
Hardware/Software Engineering	C/FP	CECOM RDEC:Ft Monmouth, NJ	5.224	-		-		-		-	Continuing	Continuing	Continuing
C2 Protect Common Tools	C/FP	Multiple:Multiple	9.899	-		-		-		-	Continuing	Continuing	Continuing
Engineering Support	C/FP	CECOM RDEC:Ft Monmouth, NJ	7.847	-		-		-		-	Continuing	Continuing	Continuing
Engineering Support	C/FFP	Lockheed Martin/SRI Int.:Eatontown, NJ	1.918	-		-		-		-	Continuing	Continuing	Continuing
Information Assurance System Engineering Support	C/FFP	MITRE:McLean, VA	2.878	0.150		0.150		-		0.150	Continuing	Continuing	Continuing
Malicious Mobile Code Analysis	C/FFP	ILEX:Tinton Falls, NJ	0.577	-		-		-		-	Continuing	Continuing	Continuing
Information Assurance System Engineering Support	C/FFP	DSCI Consulting:Eatontown, NJ	3.587	2.053		-		-		-	Continuing	Continuing	Continuing
Engineering Support	C/FFP	VIATECH:Eatontown, NJ	3.826	-		1.939		-		1.939	Continuing	Continuing	Continuing
Tactical Intrusion Detection System	C/FFP	MIT:Cambridge, MA	0.135	-		-		-		-	Continuing	Continuing	Continuing
M&S for Information Assurance Trainer	C/FFP	Atlantic Consulting Services:Shrewsbury, NJ	1.020	-		-		-		-	Continuing	Continuing	Continuing
Defense Healthcare Information Assurance Program	C/FP	CIO/G6 BMO:Crystal City, VA	12.027	-		-		-		-	Continuing	Continuing	Continuing
DoD Biometrics Program	C/FP	CIO/G6 BMO,:Crystal City, VA	18.280	-		-		-		-	Continuing	Continuing	Continuing
Crypto Mod	C/FP	CECOM RDEC:Ft Monmouth, NJ	0.274	-		-		-		-	Continuing	Continuing	Continuing
Engineering Support	C/FP	CACI:Eatontown, NJ	2.050	0.550		0.500		-		0.500	Continuing	Continuing	Continuing

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2012 Army											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>				PROJECT 491: <i>INFORMATION ASSURANCE DEVELOPMENT</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
Engineering Support	C/FP	Booz Allen Hamilton:Eatontown, NJ	2.093	-		-		-		-	Continuing	Continuing	Continuing
Engineering Support.	C/FP	VIATECH:Eatontown, NJ	-	-		-		-		-	Continuing	Continuing	Continuing
Engineering Support	C/FP	CSC:Eatontown, NJ	7.844	3.500		2.107		-		2.107	Continuing	Continuing	Continuing
Network Operations	Various	TBD:TBD	-	-		6.441		-		6.441	0.000	6.441	0.000
Subtotal			139.355	11.905		13.709		-		13.709			

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 Support	C/CPFF	TBD:TBD	-	-		2.000		-		2.000	0.000	2.000	0.000
Subtotal			-	-		2.000		-		2.000	0.000	2.000	0.000

Remarks Not Applicable													
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	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	139.355	11.905		15.709		-		15.709			

Remarks											
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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army																DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY								R-1 ITEM NOMENCLATURE								PROJECT			
2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development								PE 0303140A: Information Systems Security Program								491: INFORMATION ASSURANCE DEVELOPMENT			

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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 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>	PROJECT 491: <i>INFORMATION ASSURANCE DEVELOPMENT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
EVALUATE KMI CI - 2	4	2011	3	2013

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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 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program				PROJECT 501: ARMY KEY MGT SYSTEM				
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	
501: ARMY KEY MGT SYSTEM	1.810	-	-	-	-	-	-	-	-	0.000	1.810	
Quantity of RDT&E Articles												
A. Mission Description and Budget Item Justification												
Provides Commander with an automated capability to plan, engineer, distribute, and manage all systems that employ Electronic Key, Electronic Protection (EP), and Signal Operating Instructions (SOI).												
- Army Key Management System (AKMS) AKMS consists of two Workstations, one hosting Local COMSEC Management Software (LCMS) for COMSEC Management, one hosting Automated Communication Engineering System (ACES) for Cryptonet Planning and the Simple Key Loader (SKL).												
- LCMS is the Communications Security (COMSEC) accounting and generation software that provides Information Systems with Cryptographic Key capability.												
- ACES provides Information Systems with Cryptonet Planning & SOI/EP Fill for Combat Net and supports Coalition Joint Spectrum Management Planning Tool (CJSMPT).												
- SKLs move the ACES/LCMS data to End Crypto Units (ECUs).												
- CJSMPT software enables more efficient and accurate management of critical spectrum resources supporting de-confliction of Improvised Explosive Device (IED) Jammers and Blue Force comms.												
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)								FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: AKMS						Articles:		1.157 0	-	-	-	-
Description: Funding is provided for the following effort												
FY 2010 Accomplishments:												
Continue enhancements and support of next set of software tools for the AKMS workstation to support Army modularity requirements.												
Title: Engineering Support						Articles:		0.450 0	-	-	-	-
Description: Funding is provided for the following effort												
FY 2010 Accomplishments:												
Provide engineering Support to program												
Title: Test and Evaluation						Articles:		0.150 0	-	-	-	-

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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>		PROJECT 501: <i>ARMY KEY MGT SYSTEM</i>	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Description: Funding is provided for the following effort					
FY 2010 Accomplishments: provide funding for test and evaluation efforts					
Title: SBIR/SBTT					
Description: Funding is provided for the following effort					
FY 2010 Accomplishments: Small Business Innovative Research/Small Business Technology Transfer Programs					
Articles:	0.053 0	-	-	-	-
Accomplishments/Planned Programs Subtotals	1.810	-	-	-	-

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
• BA1201: TSEC - AKMS	29.434	25.959	12.541		12.541		16.352	10.899	10.872	Continuing	Continuing

D. Acquisition Strategy
AKMS Milestone III was conducted/approved in FY99. LCMS completed fielding of software v5.0.3 in FY09 to all COMSEC custodians to provide Encrypted Key capability. LCMS hardware refresh began 2QFY10. The AKMS acquisition strategy to procure Simple Key Loaders was updated in an Acquisition Decision Memorandum (ADM) approved by the PEO C3T Milestone Decision Authority (MDA) 3QFY02. SKL Fielding began 3QFY05 and continues. SAIC began efforts in 1QFY09 to upgrade SKL software and v6.0 was released 2QFY10 to provide interoperability with emerging systems (all services). ACES software v2.0 development began in FY09 and was released 2QFY10. ACES software development continues with v2.1 supporting Vista scheduled for release 2QFY11. ACES hardware refresh occurred in FY10. CJSMPPT software v2.1 was completed 1QFY09, the Approval to Operate (ATO) was received 1QFY09, and a Joint Military Utility Assessment (JMUA) was successfully conducted 2QFY09. CJSMPPT software upgrade v2.1.1 is being developed and a limited deployment of CJSMPPT was conducted in FY10 with management of the CJSMPPT program transitioning to DISA beginning FY11. FY 10 continued enhancement and support of next generation of AKMS software tools to meet emerging Army systems' requirements.

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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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>				PROJECT 50B: <i>BIOMETRICS</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
50B: <i>BIOMETRICS</i>	23.771	8.267	8.060	-	8.060	8.199	7.330	7.046	6.922	Continuing	Continuing
Quantity of RDT&E Articles											
<p>Note</p> <p>This Project (50B) was previously under PE 0303140A, Project 491. Beginning with FY11, PM DoD Biometrics funding is reported under Project 5PM. Funding for the Biometrics Identity Management Agency (BIMA) will continue under Project 50B.</p> <p>A. Mission Description and Budget Item Justification</p> <p>Biometrics (measurable physical and behavioral characteristics that enable the establishment and verification of an individual's identity), is a component within the Information System Security Program (ISSP). There are two biometrics organizations executing funds described in this R Form: the Biometrics Identity Management Agency (BIMA), formerly the Biometrics Task Force (BTF), and Program Manager (PM) Department of Defense (DoD) Biometrics.</p> <p>The BIMA (Project 50B) leads DoD activities to program, integrate, and synchronize biometric technologies and capabilities and to operate and maintain DoD's authoritative biometric database to support the National Security Strategy. DoDD 8521.01E established the DoD Biometrics Program and designated the Secretary of the Army as the Executive Agent for DoD Biometrics; the Director of BIMA is the Executive Manager for executing these functions across the military Services and DoD agencies.</p> <p>PM DoD Biometrics (Project 5PM starting in FY11) is responsible for the development and procurement of the Biometrics Enabling Capability (BEC), an Acquisition Category (ACAT) I - Special Interest Program), is the DoD Program of Record for an enterprise biometric system authoritative database/repository and enterprise biometric services. Capabilities shall include multi-modal storage and matching, state-of-the-art Service Oriented Architecture (SOA), management portal, Biometrically Enabled Watch-List (BEWL), increased system capacity and processing ability and system interoperability and data sharing with government agencies and stakeholders including Department of Justice's (DOJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), National Ground Intelligence Center (NGIC), Department of State (DOS), United States Central Command (CENTCOM), United States Special Operations Command (SOCOM) and other DoD and Federal agencies as required.</p> <p>The current prototype capability, Next Generation Automated Biometric Identification System (NG-ABIS) was developed as a Quick Reaction Capability (QRC) based on a CENTCOM Joint Urgent Operational Needs Statement (JUONS). NG-ABIS provides a robust capability for distinguishing friend from foe in hot spots around the globe. NG-ABIS enables near-instantaneous device-to-database communication and lays the foundation for enhanced device-to-device communication, reducing cycle and response times. NG-ABIS receives submissions from existing QRC-based collection devices (e.g. Biometrics Automated Toolset [BAT] and Handheld Interagency Identity Detection Equipment [HIIDE]) and objective tactical collection devices being developed as part of the Joint Personnel Identification version 2 (JPIv2) program. NG-ABIS also receives request by authorized users to perform storage retrieval, searches of biometric data collection and matching results. NG-ABIS provides a reliable and effective tool for overseas operations by allowing the Warfighter to make near real-time retention, capture or release decision. NG-ABIS will transition into BEC Increment 0 upon Full Deployment Decision (FDD) during 3QFY11.</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 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program		PROJECT 50B: BIOMETRICS		
FY12 Base funding continues to develop and integrate biometric capabilities that include new/emerging technologies and modalities to support the warfighter and interagency operations. These resources provide for development of new matching algorithms, software enhancement, equipment design, data storage technology, matching capabilities and exploitation that when proven may be transitioned to enduring capabilities.						
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)		FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Title: Biometrics Identity Management Agency (BIMA)		6.906	8.267	8.060	-	8.060
Articles:		0	0			
Description: Biometrics Identity Management Agency (BIMA)						
FY 2010 Accomplishments: BIMA continued to develop a demonstration to identify, screen, and verify persons biometrically in support of HSPD 12; continued development of a DNA database; continued two Biometric Technology Demonstrations involving facial recognition to further enhance the capture quality facial images at a distance, and demonstrations of biometric handheld devices designed for multi-modality capture capabilities; provided software design, development, data tagging tool and integration for cryptobinding with the Navy's System for Intelligence and Identity Management Operations (SIIMON). Funded the design, development, and testing of an application that will reproject a face from one or more images for biometric analysis to allow users to visually compare two-dimensional images to 3D models of questioned and known subjects and provide a measure of similarity between the two.						
FY 2011 Plans: BIMA will continue to develop and integrate biometric capabilities that include new/emerging technologies and modalities to support the warfighter and interagency operations. These resources provide for development of new matching algorithms, software enhancement, equipment design, data storage technology, matching capabilities and exploitation that when proven may be transitioned to enduring capabilities.						
FY 2012 Base Plans: BIMA will continue to develop and integrate biometric capabilities that include new/emerging technologies and modalities to support the warfighter and interagency operations. These resources provide for development of new matching algorithms, software enhancement, equipment design, data storage technology, matching capabilities and exploitation that when proven may be transitioned to enduring capabilities.						
Title: PM DoD Biometrics		16.865	-	-	-	-
Articles:		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 7: <i>Operational Systems Development</i>		R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>		PROJECT 50B: <i>BIOMETRICS</i>	

B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<p>Description: Program Manager (PM) Department of Defense (DoD) Biometrics. Funding for FY 2011 and out is reflected on Project Unit 5PM of this Program Element.</p> <p>FY 2010 Accomplishments: Biometrics Enabling Capability (BEC) performed test and evaluation of the Transaction Manager integration (TMI) to be incorporated into Next Generation-Automated Biometric Identification System (NG-ABIS) which will allow near real-time retention, capture, or release decisions to be made by the Warfighter. In addition, BEC performed system maintenance to keep NG-ABIS at the high level performance objectives of reliability, maintainability, availability, scalability, capacity and technical refreshment as well as detailed system sizing analysis of the current ABIS configuration relative to the known current user submissions and projected user submissions. Funding also supported government civilian labor and operational support. OCO funding in the amount of \$2.22M supported operational change requests for minor improvements to the system that required development and testing.</p>					
Accomplishments/Planned Programs Subtotals	23.771	8.267	8.060	-	8.060

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
• BIMA Direct: <i>BIMA Operations and Maintenance Army</i>	14.001	27.560	19.622		19.622		29.252	30.417	30.934	Continuing	Continuing
• BIMA OCO: <i>BIMA Operations and Maintenance Army OCO</i>	104.811	69.548								0.000	174.359

D. Acquisition Strategy
 C. Acquisition Strategy Support DoD Acquisition organizations in developmental testing, systems integration, and/or independent verification and validation of biometric systems.

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 7: <i>Operational Systems Development</i>				R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>				PROJECT 50B: <i>BIOMETRICS</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
Enterprise Development	Various	Various:various	81.261	8.267		8.060		-		8.060	Continuing	Continuing	Continuing
FY 10: Funding for DoD Biometrics Program Management	Various	Various:various	16.445	-		-		-		-	Continuing	Continuing	Continuing
Subtotal			97.706	8.267		8.060		-		8.060			

	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	97.706	8.267		8.060		-		8.060			

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 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program				PROJECT 5PM: DOD BIOMETRICS PROGRAM MANAGEMENT			
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
5PM: DOD BIOMETRICS PROGRAM MANAGEMENT	21.034	97.918	37.451	-	37.451	38.271	35.355	36.341	35.694	Continuing	Continuing
Quantity of RDT&E Articles											

Note

In FY 2010, funds supporting the Biometrics Enabling Capability (BEC) were reflected under Project 50B within this program element. Funds for FY 2010 supporting the Joint Personnel Identification version 2 (JPIv2) are reflected in the this Project; funds for FY 2011 and out are reflected in Project BI7 of Program Element 0307665A.

A. Mission Description and Budget Item Justification

Biometrics Enabling Capability (BEC), an Acquisition Category (ACAT) I - Special Interest Program, will be the Department of Defense's (DoD) authoritative biometric enterprise database repository. Capabilities shall include multi-modal storage and matching, state-of-the-art Service Oriented Architecture (SOA), management portal, Biometrically Enabled Watch-List (BEWL), increased system capacity and processing ability and system interoperability and data sharing with government agencies and stakeholders including Department of Justice's (DOJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), National Ground Intelligence Center (NGIC), Department of State (DOS), United States Central Command (CENTCOM), United States Special Operations Command (SOCOM) and other DoD and Federal agencies as required.

The current prototype capability, Next Generation Automated Biometric Identification System (NG-ABIS) was developed as a Quick Reaction Capability (QRC) based on a CENTCOM Joint Urgent Operational Needs Statement (JUONS). NG-ABIS provides a robust capability for distinguishing friend from foe in hot spots around the globe. NG-ABIS enables near-instantaneous device-to-database communication and lays the foundation for enhanced device-to-device communication, reducing cycle and response times. NG-ABIS receive submissions from existing QRC-based collection devices (e.g. Biometrics Automated Toolset [BAT] and Handheld Interagency Identity Detection Equipment [HIIDE]) and objective tactical collection devices being developed as part of the Joint Personnel Identification version 2 (JPIv2) program. NG-ABIS also receives request by authorized users to perform storage retrieval, searches of biometric data collection and matching results. NG-ABIS provides a reliable and effective tool for overseas operations by allowing the Warfighter to make near real-time retention, capture or release decision. NG-ABIS will transition into BEC Increment 0 upon receiving a Full Deployment Decision (FDD) during 3QFY11.

FY12 Base Funding will support Product Development activities. These include System Integration competitive contract awards to support NG-ABIS system integration and Milestone B activities and documentation, and Engineering and Manufacturing Development (EMD) activities and documentation. System interoperability collaboration with DHS and FBI. Leverage biometric capabilities and data sharing with government agencies and stakeholders, including DOS, DHS, FBI, NGIC, CENTCOM and SOCOM. Funds will also support system capacity and throughput based on rapidly increasing submission rates from the Warfighter. Funds will support Homeland Security Presidential Directive 24 (HSPD 24)/ National Security Presidential Directive 59 (NSPD 59).

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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 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program		PROJECT 5PM: DOD BIOMETRICS PROGRAM MANAGEMENT				
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)				FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
<div>Title: Biometrics Enabling Capability (BEC)</div> <div>Articles:</div> <div>Description: Biometrics Enabling Capability (BEC) will be the Department of Defense's (DoD) biometric enterprise authoritative database and repository.</div> <div>FY 2011 Plans:</div> <div>Product Development: System Integration competitive contract awards to support NG-ABIS system integration and Milestone B activities and documentation. Plan to incorporate Transaction Manager integration (TMI) into NG-ABIS providing the Warfighter with near real-time matching results for retention, capture, or release decisions. System interoperability collaboration with DHS and DOJ's FBI. Leverage biometric capabilities and data sharing with government agencies and stakeholders, including DOS, DHS, FBI, NGIC, CENTCOM and SOCOM. Support additional system capacity and throughput based on rapidly increasing submission rates from the Warfighter. Support Homeland Security Presidential Directive 24 (HSPD 24)/ National Security Presidential Directive 59 (NSPD 59) and maintain the compliance of the system consistent with current information assurance guidance, DoD policy and biometric standards. Improve the NG-ABIS data algorithms. //Support Cost: Support government civilian labor and operational support including travel, training, supplies, infrastructure and facility costs. //Test and Evaluation: Support continued testing and evaluation of the Transaction Manager integration (TMI) in preparation for the full deployment to the operational environment. Support integration, test and verification efforts supporting Service Oriented Architecture (SOA) based web services required to develop the system interoperability and BEWL system releases. Support inter-agency test and evaluation of the interoperability of the BEWL. //Management Services: Funds will provide PM contractor support to plan, develop and prepare Army and Office of the Secretary of Defense (OSD) level documentation consistent with DoD Instruction 5000.02, the Defense Acquisition System and compliant with existing statutory and regulatory policies for a Full Deployment Decision (FDD) in FY11 for BEC Increment 0 and a Milestone B decision in FY12 for BEC Increment 1.</div> <div>FY 2012 Base Plans:</div> <div>Product Development: System Integration competitive contract awards to support NG-ABIS system integration and Milestone B activities and documentation, and Engineering and Manufacturing Development (EMD) activities and documentation. System interoperability collaboration with DHS and DOJ's FBI. Leverage biometric capabilities and data sharing with government agencies and stakeholders, including DOS, DHS, FBI, NGIC, CENTCOM and SOCOM. Support system capacity and throughput based on rapidly increasing submission rates from the Warfighter. Support Homeland Security Presidential Directive 24 (HSPD 24)/ National</div>				-	34.6120	37.451	-	37.451

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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 7: Operational Systems Development		R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program		PROJECT 5PM: DOD BIOMETRICS PROGRAM MANAGEMENT	
B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)					
	FY 2010	FY 2011	FY 2012 Base	FY 2012 OCO	FY 2012 Total
Security Presidential Directive 59 (NSPD 59) and maintain the compliance of the system consistent with current information assurance guidance, DoD policy and biometric standards. //Support Costs: Support government civilian labor and operational support including travel, training, supplies, infrastructure and facility costs. //Test and Evaluation: Support test and evaluation activities under an EMD contract for BEC to include development of test plans, conducting preliminary testing of system functionality, production of test reports and support of technical reviews. //Management Services: Funds will provide PM contractor support to plan, develop and prepare Army and Office of the Secretary of Defense (OSD) level documentation consistent with DoD Instruction 5000.02, the Defense Acquisition System, and compliant with existing statutory and regulatory policies for a Milestone B decision in FY12 for BEC Increment 1.					
Title: Joint Personel Identification version 2 (JPIv2)					
Articles:					
Description: JPIv2 Program development and management					
FY 2010 Accomplishments: Test and Evaluation: Provides T&E activities supporting operation and evaluation of prototype devices as part of the Preliminary Design Review (PDR) in preparation for an Acquisition Category (ACAT) I - (Special Interest) Milestone B decision. //Support Costs: Funds will be used for government civilian labor and operational support to include travel, training, supplies, infrastructure, and facility costs. //Management Services: Funds will provide PM contractor support to plan, develop and prepare Army and Office of the Secretary of Defense (OSD) - level documentation consistent with DoD Instruction 5000.02, The Defense Acquisition System, and compliant with existing statutory and regulatory policy for a Milestone B decision in FY12.					
FY 2011 Plans: Test and Evaluation: Provides T&E activities supporting operation and evaluation of prototype devices as part of the Preliminary Design Review (PDR) in preparation for an Acquisition Category (ACAT) I - (Special Interest) Milestone B decision. //Support Costs: Funds will be used for government civilian labor and operational support to include travel, training, supplies, infrastructure, and facility costs. //Management Services: Funds will provide PM contractor support to plan, develop and prepare Army and Office of the Secretary of Defense (OSD) - level documentation consistent with DoD Instruction 5000.02, The Defense Acquisition System, and compliant with existing statutory and regulatory policy for a Milestone B decision in FY12.					
Accomplishments/Planned Programs Subtotals					
	21.034	63.306	-	-	-
	0	0			

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Exhibit R-2A, RDT&E Project Justification: PB 2012 Army	DATE: February 2011
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APPROPRIATION/BUDGET ACTIVITY 2040: <i>Research, Development, Test & Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>	PROJECT 5PM: <i>DOD BIOMETRICS PROGRAM MANAGEMENT</i>
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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>
• TA0600: <i>Information Systems Security Program, Other Procurement, Army</i>	138.215	63.340								0.000	201.555
• 432144: <i>Operations and Maintenance , Army Base</i>	0.884	1.712	1.735		1.735		1.822	1.864		0.000	9.799
• 135197: <i>Operations and Maintenance, Army OCO</i>	17.585	298.162	0.000	241.900	241.900					0.000	557.647

D. Acquisition Strategy

The USD (AT&L) held a biometrics Materiel Development Decision (MDD) on 10 June 2009 during which he directed the Army was directed to conduct an Analysis of Alternatives (AoA) for the BEC program. The Army completed the AoA on 30 April 2010 and recommended an enhanced status quo acquisition approach. On 19 July 2010, the DoD Biometrics Overarching Integrated Product Team (OIPT) met to review the enterprise and decide on a recommendation for the Milestone Decision Authority (MDA) to approve the Army's AoAs alternatives and proposed development program structure. The OIPT concurred with initiating the BEC Increment 0 (currently fielded Next Generation Automated Biometric Identification System [NG-ABIS] at a Full Deployment Decision (FDD) in FY11 and initiating BEC Increment 1 program at Milestone (MS) B in FY12. An Acquisition Decision Memorandum (ADM) is expected in 2QFY11. A Capabilities Production Document (CPD) will be completed in FY11 to support the FDD/BEC Increment 0. A Capabilities Development Document (CDD) will be completed in FY11 to document the required system enhancements and to support a Milestone B in FY12 (BEC Increment 1).

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 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0303140A: Information Systems Security Program				PROJECT 5PM: DOD BIOMETRICS PROGRAM MANAGEMENT					
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
PM Management Services	Various	PM DoD Biometrics:Various	6.052	11.079		12.479		-		12.479	Continuing	Continuing	Continuing
Subtotal			6.052	11.079		12.479		-		12.479			
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
Products Development	Various	Various:Varius	-	21.017		21.665		-		21.665	Continuing	Continuing	Continuing
OCO	TBD	TBD:TBD	-	63.306		-		-		-	Continuing	Continuing	0.000
Subtotal			-	84.323		21.665		-		21.665			
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
PM Civilian Personnel and other support costs	Various	PM DoD Biometrics:Various	1.300	1.516		2.320		-		2.320	Continuing	Continuing	Continuing
Subtotal			1.300	1.516		2.320		-		2.320			
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	Army Test and Evaluation Commend (ATEC); Joint Interoperability Test Command:Various	1.300	1.000		0.987		-		0.987	Continuing	Continuing	Continuing
Subtotal			1.300	1.000		0.987		-		0.987			

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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 7: <i>Operational Systems Development</i>			R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>				PROJECT 5PM: <i>DOD BIOMETRICS PROGRAM MANAGEMENT</i>		
	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	8.652	97.918	37.451	-	37.451				
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 7: <i>Operational Systems Development</i>						R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>						PROJECT 5PM: <i>DOD BIOMETRICS PROGRAM MANAGEMENT</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
ADM Signed																												
Full Deployment Decision																												
Milestone B Activities																												
Milestone Decision																												
System Development																												

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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 7: <i>Operational Systems Development</i>	R-1 ITEM NOMENCLATURE PE 0303140A: <i>Information Systems Security Program</i>	PROJECT 5PM: <i>DOD BIOMETRICS PROGRAM MANAGEMENT</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
ADM Signed	1	2011	1	2011
Full Deployment Decision	2	2011	2	2011
Milestone B Activities	3	2010	3	2012
Milestone Decision	3	2012	3	2012
System Development	3	2012	2	2014