Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army											DATE: April 2013	
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*						R-1 ITEM NOMENCLATURE PE 0607665A: *Biometrics Enterprise*						
COST ($ in Millions)	All Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
Total Program Element	-	44.155	0.000	0.000	-	0.000	7.173	6.270	4.473	4.472	Continuing	Continuing
DT2: *Non-MIP Biometrics*	-	36.341	0.000	0.000	-	0.000	4.773	4.170	2.973	2.972	Continuing	Continuing
DU2: *Management Agency*	-	7.814	0.000	0.000	-	0.000	2.400	2.100	1.500	1.500	Continuing	Continuing

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

Biometrics Enterprise is comprised of two parts: Biometrics Identity Management Agency and the enterprise data repository called Biometrics Enabling Capability.

Biometrics Center of Excellence: DoDD 8521.01E directs the BCoE to conduct biometrics S&T research and engineering for the DoD and other USG sponsors in support of the DoD S&T Roadmap. The BCoE will conduct biometrics test and evaluation activities to include standards conformance testing (which include evaluations and assessments of biometric-enabled IT devices and systems that interoperate with the authoritative biometric database); support DoD acquisition organizations in developmental testing, systems integration, and independent verification and validation; support operational test and evaluation activities that determine system operational effectiveness and suitability; and acquire and conduct COTS and GOTS testing to identify functionality, performance, and conformance to DoD standards.

The Biometrics Enabling Capability (BEC) is the Department of Defense's (DoD) authoritative biometric enterprise database repository. The current operational capability is the Next Generation Automated Biometrics Identification System (NG-ABIS aka DoD-ABIS); it will transition to the BEC Increment 0 Program of Record (POR) at the Full Deployment Decision (FDD). NG-ABIS receives multi-modal biometric submissions from collection devices allowing the Warfighter to distinguish friend from foe and enabling near real-time retention, capture or release decisions. The system has a direct impact on the availability of critical intelligence information that is of vital interest to DoD and other government agencies in efforts to capture, detain, question and deny access to known and emerging threats to our National Security. Latent fingerprint matching allows the Warfighter to accurately identify and detain those responsible for Improvised Explosive Devices (IEDs), weapons trafficking, and other terrorist attacks against US and partner nation's assets across the globe. NG-ABIS stores, processes, shares and matches four different biometric modalities (fingerprint, facial images, palm-prints and iris patterns) against over 9.5 million records as it searches for known and suspected terrorists, enemies and persons of interest. The system uses advanced algorithms to combine partial matches of multiple biometric modalities in order to increase the frequency of conclusive and automated matches; thereby, decreasing the amount of required manpower.

BEC Increment 1 will build upon the success of NG-ABIS/BEC Increment 0 and will include a web-based interface and cross-domain security capabilities across the SECRET and UNCLASSIFIED security domains. It will also build upon the current capability with increased matching throughput (number of records that can be processed within 24 hours), increased storage capacity and the ability to process bulk biometric submissions. BEC Inc 1 will have an automated, customizable Biometric Enabled Watch List (BEWL) that will be electronically input into the system and link an individual's record to the watchlist. This will facilitate on-demand access and development of watchlist data and provide match alerts to the collector through their collection system as well as to the intelligence community. This future system will also streamline interoperability and data sharing with government agencies and stakeholders including the Department of Justice (DOJ), Federal

Exhibit R-2, RDT&E Budget Item Justification: PB 2014 Army	DATE: April 2013
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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 and in accordance with Homeland Security Presidential Directive 24/National Security Presidential Directive 59.

BEC Increment 1 is currently conducting Pre-Milestone B acquisition activities to support a Pre-EMD and Milestone B decision reviews planned for FY2014.

B. Program Change Summary ($ in Millions)	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total
Previous President's Budget	45.511	0.000	0.000	-	0.000
Current President's Budget	44.155	0.000	0.000	-	0.000
Total Adjustments	-1.356	0.000	0.000	-	0.000
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-1.356	-	-	-	-

Exhibit R-2A, **RDT&E Project Justification:** PB 2014 Army											**DATE:** April 2013	
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*				**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*					**PROJECT** DT2: *Non-MIP Biometrics*			

COST ($ in Millions)	All Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
DT2: *Non-MIP Biometrics*	-	36.341	0.000	0.000	-	0.000	4.773	4.170	2.973	2.972	Continuing	Continuing
Quantity of RDT&E Articles												

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

The Biometrics Enabling Capability (BEC) is the Department of Defense's (DoD) authoritative biometric enterprise database repository. The current operational capability is the Next Generation Automated Biometrics Identification System (NG-ABIS aka DoD-ABIS), it will transition to the BEC Increment 0 Program of Record (POR) at the Full Deployment Decision (FDD). NG-ABIS receives multi-modal biometric submissions from collection devices allowing the Warfighter to distinguish friend from foe and enabling near real-time retention, capture or release decisions. The system has a direct impact on the availability of critical intelligence information that is of vital interest to DoD and other government agencies in efforts to capture, detain, question and deny access to known and emerging threats to our National Security. Latent fingerprint matching allows the Warfighter to accurately identify and detain those responsible for Improvised Explosive Devices (IEDs), weapons trafficking, and other terrorist attacks against US and partner nations' assets across the globe. NG-ABIS stores, processes, shares and matches four different biometric modalities (fingerprint, facial images, palm-prints and iris patterns) against over 9.500 million records as it searches for known and suspected terrorists, enemies and persons of interest. The system uses advanced algorithms to combine partial matches of multiple biometric modalities in order to increase the frequency of conclusive and automated matches; thereby, decreasing the amount of required manpower.

BEC Increment 1 will build upon the success of NG-ABIS/BEC Increment 0 and will include a web-based interface and cross-domain security capabilities across the SECRET and UNCLASSIFIED security domains. It will also build upon the current capability with increased matching throughput (number of records that can be processed within 24 hours), increased storage capacity and the ability to process bulk biometric submissions. BEC Inc 1 will have an automated, customizable Biometric Enabled Watch List (BEWL) that will be electronically input into the system and link an individual's record to the watchlist. This will facilitate on-demand access and development of watchlist data and provide match alerts to the collector through their collection system as well as to the intelligence community. This future system will also streamline interoperability and data sharing with government agencies and stakeholders including the 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 and in accordance with Homeland Security Presidential Directive 24/National Security Presidential Directive 59.

BEC Increment 1 is currently conducting Pre-Milestone B acquisition activities to support a Pre-EMD and Milestone B decision reviews planned for FY2014.

JUSTIFICATION: N/A, not programmed to receive OCO or BASE RDT&E funding FY2014.

Exhibit R-2A, **RDT&E Project Justification:** PB 2014 Army		**DATE:** April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DT2: *Non-MIP Biometrics*

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	**FY 2012**	**FY 2013**	**FY 2014**
Title: PM DoD Biometrics - Non-MIP for BEC ***Articles:***	36.341 0	0.000	0.000
Description: BEC ***FY 2012 Accomplishments:*** Funds provided for government civilian labor and operational support activities including travel, training, supplies, infrastructure and facility costs. Federally Funded Research & Development Center (FFRDC) and Government Matrix funds were used to support engineering, information assurance and logistics functions. Biometrics Enabling Capability (BEC) test and evaluation activities were scoped to support development of test plans, conducting preliminary system testing, production of test reports and support of technical reviews. PM contractor labor was funded to plan, develop and prepare Army and Office of the Secretary of Defense (OSD) level documentation consistent with DoD Instruction 5000.02 and the Defense Acquisition System. Further, these funds ensured compliance with existing statutory and regulatory policies for a Full Deployment Decision (FDD) in support of BEC Increment 0 and a Milestone B decision in support of BEC Increment 1.			
Accomplishments/Planned Programs Subtotals	36.341	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

Line Item	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
• B01301: *Other Procurement, Army Base- Biometrics Enterprise*	57.057		3.800		3.800	3.800	3.800	3.800	3.800	Continuing	Continuing
• 432144: *Operations and Maintenance, Army Base- Biometrics OMA*	1.682		7.250		7.250	6.611	6.745	6.639	6.838	Continuing	Continuing

Remarks

D. Acquisition Strategy

The Army published an Analysis of Alternatives (AoA) report on 30 April 2010 that recommended an enhanced status quo acquisition approach for BEC. The approach begins with establishing the current quick reaction capability as BEC Increment 0 at a Full Deployment Decision. On 13 May 2011, an ADM designated the Program Executive Office Enterprise Information Systems (PEO EIS) as the Full Deployment Decision (FDD) Milestone Decision Authority (MDA), as delegated by the Army Acquisition Executive (AAE). The Capability Production Document that supports BEC Increment 0 was approved on 14 February 2012. BEC Increment 0 is planned to be succeeded by BEC Increment 1, which will enter the Engineering and Manufacturing Development (EMD) Phase of acquisition with Pre-EMD and Milestone B reviews planned for FY2014, based on a Joint Requirements Oversight Council (JROC) approved CDD being approved in 2QFY2013. BEC Increment 1 will

Exhibit R-2A, **RDT&E Project Justification:** PB 2014 Army		**DATE:** April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DT2: *Non-MIP Biometrics*

provide new capability beyond the current Next Generation Automated Biometrics Identification System (NG-ABIS). PM DoD Biometrics is preparing a forward-looking Acquisition Strategy for the BEC Increment 1 Program that is compliant with the Department of Defense Instruction (DoDI) 5000.0 process.

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 2014 Army			DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*		**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DT2: *Non-MIP Biometrics*

Management Services ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PM Management Services	C/FFP	Alexandria:Virginia	10.079	5.750	Dec 2011	-		-		-		-	Continuing	Continuing	Continuing
		Subtotal	10.079	5.750		0.000		0.000		0.000		0.000			

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	C/CPFF	Various:various	52.544	28.805		-		-		-		-	0.000	81.349	0.000
		Subtotal	52.544	28.805		0.000		0.000		0.000		0.000	0.000	81.349	0.000

Remarks
  test

Support ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PM Civilian Personnel	TBD	Alexandria:Virginia	2.090	1.268		-		-		-		-	Continuing	Continuing	0.000
Other Support Costs (Travel, Supplies, Facility, Cell Phones)	TBD	Alexandria:Virginia	0.494	0.300		-		-		-		-	Continuing	Continuing	0.000
		Subtotal	2.584	1.568		0.000		0.000		0.000		0.000			0.000

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test and Evaluation (Government Developmental and Operational Testing)	MIPR	Army Test and Evaluation (ATEC); Joint Interoperability Test	0.574	0.218		-		-		-		-	0.000	0.792	0.000

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army			DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0607665A: Biometrics Enterprise	PROJECT DT2: Non-MIP Biometrics

Test and Evaluation ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012 Cost	FY 2012 Award Date	FY 2013 Cost	FY 2013 Award Date	FY 2014 Base Cost	FY 2014 Base Award Date	FY 2014 OCO Cost	FY 2014 OCO Award Date	FY 2014 Total Cost	Cost To Complete	Total Cost	Target Value of Contract
		Command:Various Locations													
Subtotal			0.574	0.218		0.000		0.000		0.000		0.000	0.000	0.792	0.000

	All Prior Years	FY 2012	FY 2013	FY 2014 Base	FY 2014 OCO	FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	65.781	36.341	0.000	0.000	0.000	0.000			

Remarks

Exhibit R-4, RDT&E Schedule Profile: PB 2014 Army		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DT2: *Non-MIP Biometrics*

Schedule (quarters by fiscal year):

Event	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018
	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
BEC Inc 1 Milestone B Preparation	████████	████████					
BEC Inc 1 CDD Approval		██					
BEC Inc 1 Pre-EMD		▁▁██					
BEC Inc 1 Engineering and Manufacturing (EMD) Functional Requirements Document (			██				
BEC Inc 1 System Requirements Review (SRR) / System Functional Review (SFR)		▁██					
BEC Inc 1 Milestone B		▁▁▁██					
BEC Inc 1 Preliminary Design Review (PDR)			▁██				
BEC Inc 1 Engineering and Manufacturing (EMD)			▁▁██	████	████		
BEC Inc 1 Engineering and Manufacturing (EMD) Contract			▁▁██	████	█████		
BEC Inc 1 Critical Design Review (CDR)				▁██			
BEC Inc 1 Developmental Test & Evaluation				▁▁██			
BEC Inc 1 Initial Operational Test & Evaluation (IOT&E)					██		
BEC Inc 1 Capability Production Document (CPD) Approval					▁▁██		
BEC Inc 1 Milestone C Initial Operational Capability (IOC)						██	
BEC Inc 1 Full Deployment Decision (FDD) / Full Operational Capability (FOC)							██

Exhibit R-4A, RDT&E Schedule Details: PB 2014 Army		DATE: April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DT2: *Non-MIP Biometrics*

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
BEC Inc 1 Milestone B Preparation	2	2012	3	2014
BEC Inc 1 CDD Approval	2	2013	2	2013
BEC Inc 1 Pre-EMD	1	2014	1	2014
BEC Inc 1 Engineering and Manufacturing (EMD) Functional Requirements Document (	2	2014	2	2014
BEC Inc 1 System Requirements Review (SRR) / System Functional Review (SFR)	3	2013	3	2013
BEC Inc 1 Milestone B	3	2014	3	2014
BEC Inc 1 Preliminary Design Review (PDR)	2	2015	2	2015
BEC Inc 1 Engineering and Manufacturing (EMD)	4	2014	1	2017
BEC Inc 1 Engineering and Manufacturing (EMD) Contract	4	2014	3	2017
BEC Inc 1 Critical Design Review (CDR)	4	2015	4	2015
BEC Inc 1 Developmental Test & Evaluation	1	2016	1	2016
BEC Inc 1 Initial Operational Test & Evaluation (IOT&E)	2	2016	3	2016
BEC Inc 1 Capability Production Document (CPD) Approval	4	2016	4	2016
BEC Inc 1 Milestone C Initial Operational Capability (IOC)	1	2017	1	2017
BEC Inc 1 Full Deployment Decision (FDD) / Full Operational Capability (FOC)	1	2018	1	2018

Exhibit R-2A, RDT&E Project Justification: PB 2014 Army											DATE: April 2013	

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0607665A: Biometrics Enterprise					PROJECT DU2: Management Agency		

COST ($ in Millions)	All Prior Years	FY 2012	FY 2013#	FY 2014 Base	FY 2014 OCO ##	FY 2014 Total	FY 2015	FY 2016	FY 2017	FY 2018	Cost To Complete	Total Cost
DU2: Management Agency	-	7.814	0.000	0.000	-	0.000	2.400	2.100	1.500	1.500	Continuing	Continuing
Quantity of RDT&E Articles												

FY 2013 Program is from the FY 2013 President's Budget, submitted February 2012

The FY 2014 OCO Request will be submitted at a later date

A. Mission Description and Budget Item Justification

Biometrics Center of Excellence: DoDD 8521.01E directs the BCoE to conduct biometrics S&T research and engineering for the DoD and other USG sponsors in support of the DoD S&T Roadmap. The BCoE will conduct biometrics test and evaluation activities to include standards conformance testing (which include evaluations and assessments of biometric-enabled IT devices and systems that interoperate with the authoritative biometric database); support DoD acquisition organizations in developmental testing, systems integration, and independent verification and validation; support operational test and evaluation activities that determine system operational effectiveness and suitability; and acquire and conduct COTS and GOTS testing to identify functionality, performance, and conformance to DoD standards.

B. Accomplishments/Planned Programs ($ in Millions, Article Quantities in Each)	FY 2012	FY 2013	FY 2014
Title: BIMA	7.814	0.000	0.000
Articles:	0		
Description: Biometrics Identity Management Agency FY 2012 Accomplishments: BIMA utilized the Joint Interoperability Test Command to test biometric technologies and provided certification that biometric equipment was interoperable and can be utilized by all branches of the armed services and government. BIMA used RDTE contract labor to directly impact the efficiency and operation of the Automated Biometric Identification System. BIMA conducted biometrics test and evaluation activities to include standards conformance testing (which include evaluations and assessments of biometric-enabled IT devices and systems that interoperate with the authoritative biometric database). BIMA acquired and conducted COTS and GOTS testing to identify functionality, performance, and conformance to DoD standards.			
Accomplishments/Planned Programs Subtotals	7.814	0.000	0.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

Exhibit R-2A, **RDT&E Project Justification:** PB 2014 Army		**DATE:** April 2013
APPROPRIATION/BUDGET ACTIVITY 2040: *Research, Development, Test & Evaluation, Army* BA 7: *Operational Systems Development*	**R-1 ITEM NOMENCLATURE** PE 0607665A: *Biometrics Enterprise*	**PROJECT** DU2: *Management Agency*

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.

Exhibit R-3, RDT&E Project Cost Analysis: PB 2014 Army														DATE: April 2013

APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0607665A: Biometrics Enterprise	PROJECT DU2: Management Agency

Product Development ($ in Millions)

Cost Category Item	Contract Method & Type	Performing Activity & Location	All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
				Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
BIMA RDTE efforts	MIPR	Various Activities:Various locations	0.000	7.814		-		-		-		-	0.000	7.814	0.000
		Subtotal	0.000	7.814		0.000		0.000		0.000		0.000	0.000	7.814	0.000

			All Prior Years	FY 2012		FY 2013		FY 2014 Base		FY 2014 OCO		FY 2014 Total	Cost To Complete	Total Cost	Target Value of Contract
		Project Cost Totals	0.000	7.814		0.000		0.000		0.000		0.000	0.000	7.814	0.000

Remarks