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Exhibit R-2, RDT&E Budget Item Justification: PB 2013 Army									DATE: February 2012		
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development				R-1 ITEM NOMENCLATURE PE 0307665A: Biometrics Enabled Intelligence							
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	2.069	15.018	15.248	-	15.248	15.240	15.690	2.184	2.235	Continuing	Continuing
BI7: BIOMETRICS ENABLED INTELLIGENCE - MIP	2.069	15.018	15.248	-	15.248	15.240	15.690	2.184	2.235	Continuing	Continuing

Note

In FY2010, this program was reflected under Program Element 0303140A Project 50B and 5PM.

A. Mission Description and Budget Item Justification

Joint Personnel Identification Version 2 (JPIv2) will provide an Army tactical biometric collection capability to capture an adversary or neutral person's biometric data and enroll them into the Department of Defense (DoD) enterprise authoritative biometric database to positively identify and verify the identity of actual or potential adversaries. JPIv2 development will be informed by prototype collection capabilities. U.S. forces are currently operating unilaterally or in combination with joint, multinational, and interagency partners, to identify unknown individuals and verify the identity of person(s) across the full spectrum of military operations. Capabilities proposed for JPIv2 will be configurable for multiple operational mission environments. JPIv2 planned development employs integrated software and sensors to capture multimodal information in an interoperable system facilitating the use of biometrics. JPIv2 captures an individual's identity utilizing the person's unique physiological, and/or behavioral features and linking this identity to the individual's past activities, earlier encounters, and previously used identities. The operating environment includes anywhere military forces may operate. The JPIv2 will interoperate with a variety of other biometric collection, database, and information systems and adhere to applicable technical standards.

FY2013 Core funding supports the planning, development and preparation for a Milestone B decision in FY2013. Funds will also support development activities under an Engineering and Manufacturing Development (EMD) contract for JPIv2 program of record. EMD efforts include: defining system of systems functionality and interface requirements; complete preliminary design to include both hardware and software; define and develop system maturity, reliability and technical performance measures; develop operational deployment sustainability, suitability and survivability plans; and conduct technical reviews consistent with required system capability. Additionally, funding will support government civilian labor and operations to include travel, training, supplies, infrastructure, and facility costs. Funds will also support Test and Evaluation (T&E) activities under an EMD contract for JPIv2 program of record. EMD T&E efforts include: development of test plans against system requirements; conducting preliminary testing of system of systems functionality; production of test reports to inform developmental activities; and providing T&E support to scheduled technical reviews.

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APPROPRIATION/BUDGET ACTIVITY		R-1 ITEM NOMENCLATURE			
2040: Research, Development, Test & Evaluation, Army		PE 0307665A: Biometrics Enabled Intelligence			
BA 7: Operational Systems Development					
B. Program Change Summary (\$ in Millions)	FY 2011	FY 2012	FY 2013 Base	FY 2013 OCO	FY 2013 Total
Previous President's Budget	14.114	15.018	15.357	-	15.357
Current President's Budget	2.069	15.018	15.248	-	15.248
Total Adjustments	-12.045	-	-0.109	-	-0.109
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.109	-	-0.109
• Other Adjustments 1	-12.045	-	-	-	-

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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
BI7: BIOMETRICS ENABLED INTELLIGENCE - MIP	2.069	15.018	15.248	-	15.248	15.240	15.690	2.184	2.235	Continuing	Continuing
Quantity of RDT&E Articles											

Note

Prior to FY 2011, program was funded in Program Element 0303140A Project 50B and Project 5PM.

A. Mission Description and Budget Item Justification

Joint Personnel Identification Version 2 (JPIv2) will provide an Army tactical biometric collection capability to capture an adversary or neutral person's biometric data and enroll them into the Department of Defense (DoD) enterprise authoritative biometric database to positively identify and verify the identity of actual or potential adversaries. JPIv2 development will be informed by prototype collection capabilities. U.S. forces are currently operating unilaterally or in combination with joint, multinational, and interagency partners, to identify unknown individuals and verify the identity of person(s) across the full spectrum of military operations. Capabilities proposed for JPIv2 will be configurable for multiple operational mission environments. JPIv2 planned development employs integrated software and sensors to capture multimodal information in an interoperable system facilitating the use of biometrics. JPIv2 captures an individual's identity utilizing the person's unique physiological, and/or behavioral features and linking this identity to the individual's past activities, earlier encounters, and previously used identities. The operating environment includes anywhere military forces may operate. The JPIv2 will interoperate with a variety of other biometric collection, database, and information systems and adhere to applicable technical standards.

FY2013 Core funding supports the planning, development and preparation for a Milestone B decision in FY2013. Funds will also support development activities under an Engineering and Manufacturing Development (EMD) contract for JPIv2 program of record. EMD efforts include: defining system of systems functionality and interface requirements; complete preliminary design to include both hardware and software; define and develop system maturity, reliability and technical performance measures; develop operational deployment sustainability, suitability and survivability plans; and conduct technical reviews consistent with required system capability. Additionally, funding will support government civilian labor and operations to include travel, training, supplies, infrastructure, and facility costs. Funds will also support Test and Evaluation (T&E) activities under an EMD contract for JPIv2 program of record. EMD T&E efforts include: development of test plans against system requirements; conducting preliminary testing of system of systems functionality; production of test reports to inform developmental activities; and providing T&E support to scheduled technical reviews.

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

	FY 2011	FY 2012	FY 2013
Title: Joint Personnel Identification version 2 (JPIv2)	2.069	15.018	15.248
Articles:	0	0	
Description: JPIv2 Program development and management			
FY 2011 Accomplishments:			

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B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)							FY 2011	FY 2012	FY 2013		
<p>\$2.069M funded government civilian labor and operational support costs to include travel, training, supplies, infrastructure, and facility costs. Efforts included requirements analysis; acquisition strategy development; detailed statement of work and schedule of events for engineering resources and specific task objectives; Acquisition strategy development involving analyzing legacy systems and understanding the capability gaps in meeting the envisioned enduring solution.</p> <p>FY 2012 Plans: Provides system engineering activities supporting operation and evaluation of current technology prototypes for integration into what will be the newly developed tactical biometric collection devices (JPlv2) to satisfy the Capabilities Development Document (CDD) requirements. Activities shall also support a Preliminary Design Review (PDR) in preparation for an Acquisition Category (ACAT) (Special Interest) Milestone B decision. Funds will be used for government civilian labor and operation support to include travel, training, supplies, infrastructure, and facility costs. 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. Funds will provide Product Manager 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 FY13.</p> <p>FY 2013 Plans: Funds will provide Product Manager 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 FY13. Funds support development activities under an Engineering & Manufacturing Development (EMD) contract for JPlv2 program of record. EMD efforts include: defining system of systems functionality and interface requirements; complete preliminary design to include both hardware and software; define and develop system maturity, reliability and technical performance measures; develop operational deployment sustainability, suitability and survivability plans; and conduct technical reviews consistent with required system capability. Funds will be used for government civilian labor and operational support to include travel, training, supplies, infrastructure, and facility costs. Funds support T&E activities under an EMD contract for JPlv2 program of record. EMD T&E efforts include the development of test plans against system requirements; conducting preliminary testing of system of system functionality; production of test reports to inform developmental activities; and providing T&E support to scheduled technical reviews.</p>											
Accomplishments/Planned Programs Subtotals							2.069	15.018	15.248		
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: OPA	8.482	2.322								0.000	10.804

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<p><u>D. Acquisition Strategy</u></p> <p>The USD (AT&L) on 10 June 2009 held a biometrics Materiel Development Decision at which he directed the Army to conduct an Analysis of Alternatives (AoA) for the Joint Personnel Identification version 2 (JPIv2) program. The Army completed the AoA on 30 April 2010 and recommended an enhanced status quo acquisition approach. This approach will entail selecting and integrating commercial off the shelf (COTS) products to meet the warfighter's needs based on a Capabilities Development Document (CDD). In line with this recommended approach, the Acquisition Strategy for DoD Biometrics JPIv2 program is scheduled to begin development with a Milestone B decision in FY 2013. The current Biometric Automated Toolset-Army Quick Reaction Capability (QRC) will be supported and maintained to include continued sustainment and enhancement while the JPIv2 capabilities are developed. In FY2013, BAT-A will be sustained with Overseas Contingency Operations funding.</p> <p><u>E. Performance Metrics</u></p> <p>Performance metrics used in the preparation of this justification material may be found in the FY 2010 Army Performance Budget Justification Book, dated May 2010.</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2013 Army											DATE: February 2012			
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Management Services (\$ 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	
PM Management Services	Various	Various:Various	-	4.795		4.592		-		4.592	Continuing	Continuing	Continuing	
FY2011 Congressional Decrement	TBD	Various:Various	4.000	-		-		-		-	0.000	4.000	0.000	
Subtotal			4.000	4.795		4.592		-		4.592				
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	
FY2011 Congressional Decrement	TBD	N/A:N/A	6.545	-		-		-		-	0.000	6.545	0.000	
Base Products Development	C/IDIQ	Various:TBD	-	6.927		6.866		-		6.866	0.000	13.793	0.000	
Subtotal			6.545	6.927		6.866		-		6.866	0.000	20.338	0.000	
Support (\$ 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	
PM Civilian Personnel and Other Support Costs	TBD	Various:Various	2.069	2.996		2.790		-		2.790	0.000	7.855	0.000	
Subtotal			2.069	2.996		2.790		-		2.790	0.000	7.855	0.000	
Test and Evaluation (\$ 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	
IA, T&E, Threat Assessment, Interoperability Certifications	Various	Various:TBD	-	0.300		1.000		-		1.000	Continuing	Continuing	Continuing	
FY2011 Congressional Decrement	TBD	Various:TBD	1.500	-		-		-		-	0.000	1.500	0.000	

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Test and Evaluation (\$ 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
Subtotal			1.500	0.300		1.000		-		1.000			

	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	14.114	15.018		15.248		-		15.248			

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2013 Army			DATE: February 2012		
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	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
Milestone B Activities																												
Milestone Decision																												
System Development																												

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

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone B Activities	1	2012	4	2013
Milestone Decision	3	2013	3	2013
System Development	3	2013	2	2015