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

<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>				<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>							
<b>COST (\$ in Millions)</b>	<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>FY 2013</b>	<b>FY 2014</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	14.114	15.018	-	15.018	15.357	15.125	15.590	15.839	Continuing	Continuing
BI7: <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>	-	14.114	15.018	-	15.018	15.357	15.125	15.590	15.839	Continuing	Continuing

**Note**

Change Summary Explanation: Funding - FY 11: Program transferred to it's own stand alone PE. Prior to FY 2011 program was funded in Program Element 0303140A Project 50B and Project 5PM.

**A. Mission Description and Budget Item Justification**

The Department of Defense (DoD) Biometrics Program Management Office is responsible for developing Joint Personnel Identification Version 2 (JPIv2), previously named Biometric Family of Capabilities for Full Spectrum Operations (BFCFSO). Joint Personnel Identification Version 2 (JPIv2), previously named Biometric Family of Capabilities for Full Spectrum Operations (BFCFSO), will provide an Army tactical biometric collection capability to capture a person's biometric data and enroll them into the 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 provided by the Biometrics Automated Toolset-Army (BAT-A) and Handheld Interagency Identity Detection Equipment (HIIDE), which are Quick Reaction Capabilities (QRCs) based on Joint Urgent Operational Needs Statement (JUONS). Capabilities envisioned for JPIv2 will be configurable for multiple operational mission environments. JPIv2 development will employ integrated software and sensors to capture multimodal information in an interoperable system facilitating the use of biometrics. JPIv2 does so by fixing an individual's identity using the person's unique physiological, and/or behavioral features and linking this identity to the individual's past activities and previously used identities. This will greatly enhance the ability of U.S. forces, operating unilaterally or in combination with joint, multinational, and interagency partners, to identify unknown individuals and verify the identity of person(s) in any situation across the full spectrum of military operations to include Overseas Contingency Operations (OCO). The JPIv2 will interoperate with a variety of other biometric collection, database, and information systems and adhere to applicable technical standards.

FY 2012 Core Funding will support development activities under an Engineering & 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. Funds will also support Test and Evaluation (T&E) activities under an Engineering & Manufacturing Development (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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<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2012 Army	<b>DATE:</b> February 2011
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<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>
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<b>B. Program Change Summary (\$ in Millions)</b>	<b><u>FY 2010</u></b>	<b><u>FY 2011</u></b>	<b><u>FY 2012 Base</u></b>	<b><u>FY 2012 OCO</u></b>	<b><u>FY 2012 Total</u></b>
Previous President's Budget	-	-	15.039	-	15.039
Current President's Budget	-	14.114	15.018	-	15.018
Total Adjustments	-	14.114	-0.021	-	-0.021
• Congressional General Reductions		-			
• Congressional Directed Reductions		-			
• Congressional Rescissions	-	-			
• Congressional Adds		-			
• Congressional Directed Transfers		-			
• Reprogrammings	-	14.114			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	-0.021	-	-0.021

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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 0307665A: Biometrics Enabled Intelligence				PROJECT BI7: BIOMETRICS ENABLED INTELLIGENCE - MIP			
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
BI7: BIOMETRICS ENABLED INTELLIGENCE - MIP	-	14.114	15.018	-	15.018	15.357	15.125	15.590	15.839	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), previously named Biometric Family of Capabilities for Full Spectrum Operations (BFCFSO), will provide an Army tactical biometric collection capability to capture a person's biometric data and enroll them into the 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 provided by the Biometrics Automated Toolset-Army (BAT-A) and Handheld Interagency Identity Detection Equipment (HIIDE), which are Quick Reaction Capabilities (QRCs) based on Joint Urgent Operational Needs Statement (JUONS). Capabilities envisioned for JPIv2 will be configurable for multiple operational mission environments. JPIv2 development will employ integrated software and sensors to capture multimodal information in an interoperable system facilitating the use of biometrics. JPIv2 does so by fixing an individual's identity using the person's unique physiological, and/or behavioral features and linking this identity to the individual's past activities and previously used identities. This will greatly enhance the ability of U.S. forces, operating unilaterally or in combination with joint, multinational, and interagency partners, to identify unknown individuals and verify the identity of person(s) in any situation across the full spectrum of military operations to include Overseas Contingency Operations (OCO). The JPIv2 will interoperate with a variety of other biometric collection, database, and information systems and adhere to applicable technical standards.

FY12 Base Funding will support development activities under an Engineering & 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. Funds will also support Test and Evaluation (T&E) activities under an Engineering & Manufacturing Development (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>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>				<b>FY 2010</b>	<b>FY 2011</b>	<b>FY 2012</b>
<b>Title:</b> Joint Personnel Identification version 2 (JPIv2)				-	14.114	15.018
<b>Articles:</b>					0	
<b>Description:</b> JPIv2 Program development and management						
<b>FY 2011 Plans:</b>						

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Army		<b>DATE:</b> February 2011	
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>	<b>PROJECT</b> B17: <i>BIOMETRICS ENABLED INTELLIGENCE</i> - MIP	
<b>B. Accomplishments/Planned Programs (\$ in Millions, Article Quantities in Each)</b>		<b>FY 2010</b>	<b>FY 2011</b>
<p>Product Development: 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 (JPIv2) to satisfy the Capability Development Document (CDD) requirements. Activities shall also support a 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. //Test and Evaluation: Provides T&amp;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. //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.</p> <p><b><i>FY 2012 Plans:</i></b></p> <p>Product Development: Funds support development activities under an Engineering &amp; 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. //Support Costs: Funds will be used for government civilian labor and operational support to include travel, training, supplies, infrastructure, and facility costs. //Test and Evaluation: Funds support T&amp;E activities under an Engineering &amp; Manufacturing Development (EMD) contract for JPIv2 program of record. EMD T&amp;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&amp;E support to scheduled technical reviews. PDR will be completed. //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.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>		-	14.114
<b>C. Other Program Funding Summary (\$ in Millions)</b> N/A			
<b>D. Acquisition Strategy</b> The USD(AT&L) on 10 June 2009 held a biometrics Materiel Development Decision where he directed the Army to conduct an Analysis of Alternatives (AoA) for the JPIv2 program. The Army completed the AoA on 30 April 2010 and recommended an enhanced status quo acquisition approach. This approach will entail selecting a commercial off the shelf (COTS) device and modifying it to meet warfighter's needs based on a Capabilities Development Document. In line with this			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2012 Army		<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>	<b>PROJECT</b> BI7: <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>
<p>recommendation, the Acquisition Strategy of DoD Biometrics for the JPIv2 program is to begin development with a milestone B in FY12. The current QRC prototype systems, BAT-A, HIIDE and BISA will be supported and maintained to include continued sustainment and enhancement of these systems while the JPIv2 capabilities are in development.</p> <p><b><u>E. Performance Metrics</u></b></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 2012 Army											DATE: February 2011			
APPROPRIATION/BUDGET ACTIVITY 2040: Research, Development, Test & Evaluation, Army BA 7: Operational Systems Development					R-1 ITEM NOMENCLATURE PE 0307665A: Biometrics Enabled Intelligence					PROJECT B17: BIOMETRICS ENABLED INTELLIGENCE - MIP				
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	Various:various	-	4.287		4.395		-		4.395	Continuing	Continuing	Continuing	
Subtotal			-	4.287		4.395		-		4.395				
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	
Base Products Development	Various	Various:various	-	6.909		6.527		-		6.527	Continuing	Continuing	Continuing	
Subtotal			-	6.909		6.527		-		6.527				
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	Various:Various	-	1.952		2.596		-		2.596	Continuing	Continuing	Continuing	
Subtotal			-	1.952		2.596		-		2.596				
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	
IA, T&E, Threat Assessment, Interoperability Certifications	Various	Various:Various	-	0.966		1.500		-		1.500	Continuing	Continuing	Continuing	
Subtotal			-	0.966		1.500		-		1.500				
			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			-	14.114		15.018		-		15.018				

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<b>Exhibit R-3, RDT&amp;E Project Cost Analysis:</b> PB 2012 Army						<b>DATE:</b> February 2011			
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>			<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>			<b>PROJECT</b> B17: <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>			
	<b>Total Prior Years Cost</b>	<b>FY 2011</b>	<b>FY 2012 Base</b>	<b>FY 2012 OCO</b>	<b>FY 2012 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Remarks</b>									

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Exhibit R-4, RDT&E Schedule Profile: PB 2012 Army			DATE: February 2011		
APPROPRIATION/BUDGET ACTIVITY			R-1 ITEM NOMENCLATURE		
2040: Research, Development, Test & Evaluation, Army			PE 0307665A: Biometrics Enabled Intelligence		
BA 7: Operational Systems Development			PROJECT		
			BI7: BIOMETRICS ENABLED INTELLIGENCE		
			- MIP		

	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
Milestone Decision																												
System Development																												



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<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2012 Army			<b>DATE:</b> February 2011
<b>APPROPRIATION/BUDGET ACTIVITY</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army</i> BA 7: <i>Operational Systems Development</i>	<b>R-1 ITEM NOMENCLATURE</b> PE 0307665A: <i>Biometrics Enabled Intelligence</i>	<b>PROJECT</b> BI7: <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Milestone Decision	1	2012	1	2012
System Development	2	2012	1	2014

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