

**UNCLASSIFIED**

<b>Exhibit R-2, RDT&amp;E Budget Item Justification:</b> PB 2017 Army										<b>Date:</b> February 2016		
<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 7: Operational Systems Development</i>					<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	-	1.973	0.000	0.000	7.104	7.104	0.000	0.000	0.000	0.000	76.260	85.337
<b>B17: BIOMETRICS ENABLED INTELLIGENCE - MIP</b>	-	1.973	0.000	0.000	7.104	7.104	0.000	0.000	0.000	0.000	76.260	85.337

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

The Army has two biometric tactical collection devices, the Biometric Automated Toolset-Army (BAT-A) Kit and BAT-A Handheld (HH). These two devices support the Army Force Protection Mission and Identity Dominance Mission. Product Manager (PM) Joint Personnel Identification (JPI) supports the Biometric Enterprise database system which delivers these innovative and emergent biometric solutions. The BAT-A system is the Army's biometric tactical collection devices which collect, match, store and share biometric and contextual information on Known & Suspected Terrorists, potential adversaries, host nation personnel, and third country nationals. Recipients of collected information include DoD organizations, other U.S. government agencies, and Coalition Partners. The BAT-A devices are also used by non-Military Intelligence personnel (Infantry and Military Police). The capability was originally deployed as a Quick Reaction Capability (QRC) and has been deployed in a combat zone and other OCONUS contingency operations for the past decade. The original acquisition strategy for JPIv2 was to incorporate lessons learned through the QRC program; however, the Army refined the program acquisition strategy. In accordance with the current guidance from the Vice Chief of Staff of the Army, the current BAT-A systems will serve as the Army biometrics enduring capability through FY22. The Army Acquisition Executive approved the BAT-A Materiel Development Decision. All research and development efforts are now concluded for JPIv2. PM JPI will continue to serve as the Office of Primary Responsibility as the BAT-A is now a program of record in sustainment.

The additional FY17 RDT&E OCO funding supports developmental activities to create vehicle-independent and tailorable Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages that can be installed and removed in a matter of minutes on any vehicle type to meet specific mission needs. In addition, the funds will enable development and testing of software code integrating new voice matching algorithms to deliver improved technical capabilities of stand-off voice biometric collection and speaker identification within the Voice Identity Biometrics Exploitation System (VIBES) QRC in order counter ever-changing threats facing deployed operational forces. Lastly, the funds affords the development of new software code and associated testing necessary to deliver an instance of the Biometric Intelligence Information Repository (BI2R-the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist for OFS and other worldwide missions) on the Intelligence Community Information Technology Environment (IC ITE) C2S cloud.

**UNCLASSIFIED**

**Exhibit R-2, RDT&E Budget Item Justification:** PB 2017 Army **Date:** February 2016

<b>Appropriation/Budget Activity</b> 2040: <i>Research, Development, Test &amp; Evaluation, Army / BA 7: Operational Systems Development</i>	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>
---	--

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
Previous President's Budget	1.973	0.000	0.000	-	0.000
Current President's Budget	1.973	0.000	0.000	7.104	7.104
Total Adjustments	0.000	0.000	0.000	7.104	7.104
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments 1	-	-	0.000	7.104	7.104

**Change Summary Explanation**

FY17 RDTE OCO for \$7.104M provided to support the Five Vigilant Pursuit System Sets (10 vehicles total plus equipment) which are currently deployed in support of OFS and OIR. The Vigilant Pursuit System currently consists of 2 vehicles with integrated Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages installed on MATVs. Funding (\$3.744M) supports developmental activities to create vehicle-independent and tailorable Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages that can be installed and removed in a matter of minutes on any vehicle type to meet specific mission needs. Specific activities include hardware development for several small but critical hardware components that cannot be commercially procured necessary to refactor the Multi-INT capability packages to work on any vehicle platform and software development necessary to replace/upgrade open source code that is no longer current/viable and is therefore more difficult and expensive to maintain or completely unusable.

In addition, FY17 RDT&E OCO Funding (\$1,210K) supports development & testing of software code integrating new voice matching algorithms to deliver improved technical capabilities of stand-off voice biometric collection & speaker identification within the Voice Identity Biometrics Exploitation System (VIBES) QRC to counter ever-changing threats facing deployed operational forces. The VIBES software program provides a stand-off speaker identification capability that supports operations in OFS and OIR. Software development is necessary for the program to remain current & compliant with enterprise standards; will improve the data flow & efficiency of the system enabling faster response times, increased automation, & tighter integration with existing biometrics and intelligence systems.

Lastly, the FY17 RDT&E OCO Funding (\$2,150K) supports the development of new software code & associated testing necessary to deliver an instance of the Biometric Intelligence Information Repository (BI2R-the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army										<b>Date:</b> February 2016		
<b>Appropriation/Budget Activity</b> 2040 / 7					<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>			<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>				
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
B17: <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>	-	1.973	0.000	0.000	7.104	7.104	0.000	0.000	0.000	0.000	76.260	85.337
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Army has two biometric tactical collection devices, the Biometric Automated Toolset-Army (BAT-A) Kit and BAT-A Handheld (HH). These two devices support the Army Force Protection Mission and Identity Dominance Mission. Product Manager (PM) Joint Personnel Identification (JPI) supports the Biometric Enterprise database system which delivers these innovative and emergent biometric solutions. The BAT-A system is the Army's biometric tactical collection devices which collect, match, store and share biometric and contextual information on Known & Suspected Terrorists, potential adversaries, host nation personnel, and third country nationals. Recipients of collected information include DoD organizations, other U.S. government agencies, and Coalition Partners. The BAT-A devices are also used by non-Military Intelligence personnel (Infantry and Military Police). The capability was originally deployed as a Quick Reaction Capability (QRC) and has been deployed in a combat zone and other OCONUS contingency operations for the past decade. The original acquisition strategy for JPIv2 was to incorporate lessons learned through the QRC program; however, the Army refined the program acquisition strategy. In accordance with the current guidance from the Vice Chief of Staff of the Army, the current BAT-A systems will serve as the Army biometrics enduring capability through FY22. The Army Acquisition Executive approved the BAT-A Materiel Development Decision. All research and development efforts are now concluded for JPIv2. PM JPI will continue to serve as the Office of Primary Responsibility as the BAT-A is now a program of record in sustainment.

The FY17 RDT&E OCO funds support the Five Vigilant Pursuit System Sets (10 vehicles total plus equipment) which are currently deployed in support of OFS and OIR. The Vigilant Pursuit System currently consists of 2 vehicles with integrated Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages installed on MATVs. Funding (\$3.744M) supports developmental activities to create vehicle-independent and tailorable Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages that can be installed and removed in a matter of minutes on any vehicle type to meet specific mission needs. Specific activities include hardware development for several small but critical hardware components that cannot be commercially procured necessary to refactor the Multi-INT capability packages to work on any vehicle platform and software development necessary to replace/upgrade open source code that is no longer current/viable and is therefore more difficult and expensive to maintain or completely unusable.

In addition, FY17 RDT&E OCO Funding (\$1,210K) supports development & testing of software code integrating new voice matching algorithms to deliver improved technical capabilities of stand-off voice biometric collection & speaker identification within the Voice Identity Biometrics Exploitation System (VIBES) QRC to counter ever-changing threats facing deployed operational forces. The VIBES software program provides a stand-off speaker identification capability that supports operations in OFS and OIR. Software development is necessary for the program to remain current & compliant with enterprise standards; will improve the data flow & efficiency of the system enabling faster response times, increased automation, & tighter integration with existing biometrics and intelligence systems.

Lastly, the FY17 RDT&E OCO Funding (\$2,150K) supports the development of new software code & associated testing necessary to deliver an instance of the Biometric Intelligence Information Repository (BI2R)-the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army	<b>Date:</b> February 2016
--	----------------------------

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>	<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>
--	--	--

for OFS and other worldwide missions) on the Intelligence Community Information Technology Environment (IC ITE) C2S cloud. The new, more capable software will facilitate automated information exchange with complimentary community programs resident on the IC ITE C2S cloud to support the production of a Biometrically Enabled Watchlist (BEWL) containing all available IC Biometrics and Identity Intelligence. There are identified contract vehicles at I2WD that have appropriate scope and option years to execute this funding in FY17 and deliver capabilities within 12 months.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
<p><b>Title:</b> Joint Personnel Identification (JPI)v2</p> <p><b>Description:</b> JPI supports the Biometric Enterprise database system which delivers the Army Force Protection Mission and Identity Dominance Mission.</p> <p><b>FY 2015 Accomplishments:</b> FY2015 funding supports 10 FTE Civilian Positions to accomplish program management activities to support the Army's tactical collection acquisition strategy. It provided programmatic oversight, engineering, cost estimating, resource and acquisition management. Funds also provide infrastructure, facility costs and communication requirements (desktop support &amp; network connectivity).</p> <p><b>FY 2017 Base Plans:</b> This project only has OCO dollars for FY17</p> <p><b>FY 2017 OCO Plans:</b> Five Vigilant Pursuit System Sets (10 vehicles total plus equipment) are currently deployed in support of OFS and OIR. The Vigilant Pursuit System currently consists of 2 vehicles with integrated Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages installed on MATVs. Funding (\$3.744M) supports developmental activities to create vehicle-independent and tailorable Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages that can be installed and removed in a matter of minutes on any vehicle type to meet specific mission needs. Specific activities include hardware development for several small but critical hardware components that cannot be commercially procured necessary to refactor the Multi-INT capability packages to work on any vehicle platform and software development necessary to replace/upgrade open source code that is no longer current/viable and is therefore more difficult and expensive to maintain or completely unusable.</p> <p>Funding (\$1,210K) supports development &amp; testing of software code integrating new voice matching algorithms to deliver improved technical capabilities of stand-off voice biometric collection &amp; speaker identification within the Voice Identity Biometrics Exploitation System (VIBES) QRC to counter ever-changing threats facing deployed operational forces. The VIBES software program provides a stand-off speaker identification capability that</p>	1.973	-	0.000	7.104	7.104

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>	<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>

<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>	<b>FY 2015</b>	<b>FY 2016</b>	<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>
<p>supports operations in OFS and OIR. Software development is necessary for the program to remain current &amp; compliant with enterprise standards; will improve the data flow &amp; efficiency of the system enabling faster response times, increased automation, &amp; tighter integration with existing biometrics and intelligence systems.</p> <p>Funding (\$2,150K) supports the development of new software code &amp; associated testing necessary to deliver an instance of the Biometric Intelligence Information Repository (BI2R-the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist for OFS and other worldwide missions) on the Intelligence Community Information Technology Environment (IC ITE) C2S cloud. The new, more capable software will facilitate automated information exchange with complimentary community programs resident on the IC ITE C2S cloud to support the production of a Biometrically Enabled Watchlist (BEWL) containing all available IC Biometrics and Identity Intelligence. There are identified contract vehicles at I2WD that have appropriate scope and option years to execute this funding in FY17 and deliver capabilities within 12 months.</p>					
<b>Accomplishments/Planned Programs Subtotals</b>	1.973	-	0.000	7.104	7.104

**C. Other Program Funding Summary (\$ in Millions)**

N/A

**Remarks**

**D. Acquisition Strategy**

Army refined the acquisition strategy for the JPIv2 program in FY14. The current program strategy has changed from an investment to a sustainment strategy for currently fielded Biometric Tactical Collection Devices which eliminated JPIv2 in FY16. In accordance with the Vice Chief of Staff of the Army direction, the current BAT-A configuration will enter the sustainment phase as the Army's biometric enduring capability. The current FY15 base RDT&E dollars of \$1.973 million supports 10 Government full time equivalents which provide program management activities for the current biometric tactical collection capability.

The FY17 RDT&E OCO acquisition strategy will solicit a contractor to develop activities to create vehicle-independent and tailorable Multi-INT Collection, Processing, Exploitation, and Dissemination capability packages. Also, a contractor will be selected to develop & test software code integrating new voice matching algorithms to deliver improved technical capabilities of stand-off voice biometric collection & speaker identification within the Voice Identity Biometrics Exploitation System (VIBES) QRC to counter ever-changing threats facing deployed operational forces. Lastly, a contractor will develop new software code and accomplish associated testing necessary to deliver an instance of the Biometric Intelligence Information Repository (BI2R-the unique software-based analytic production system used by NGIC specifically to create the Biometric Enabled Watchlist for OFS and other worldwide missions) on the Intelligence Community Information Technology Environment (IC ITE) C2S cloud.

**UNCLASSIFIED**

<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2017 Army		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>	<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>

<b><u>E. Performance Metrics</u></b> N/A
---

**UNCLASSIFIED**

Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army												Date: February 2016			
Appropriation/Budget Activity				R-1 Program Element (Number/Name)				Project (Number/Name)							
2040 / 7				PE 0307665A / Biometrics Enabled Intelligence				B17 / BIOMETRICS ENABLED INTELLIGENCE - MIP							
Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	12.921	-		-		-		-		-	0.000	12.921	0
<b>Subtotal</b>			12.921	-		-		-		-		-	0.000	12.921	0.000
Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Base Products Development	C/IDIQ	Various : TBD	44.293	-		-		0.000		3.744		3.744	0	48.037	0
<b>Subtotal</b>			44.293	-		-		0.000		3.744		3.744	0.000	48.037	0.000
Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	18.129	1.973		-		-		-		-	0	20.102	0
<b>Subtotal</b>			18.129	1.973		-		-		-		-	0.000	20.102	0.000
Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	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	0.917	-		-		0.000		3.360		3.360	0	4.277	0
<b>Subtotal</b>			0.917	-		-		0.000		3.360		3.360	0.000	4.277	0.000

**UNCLASSIFIED**

<b>Exhibit R-3, RDT&amp;E Project Cost Analysis: PB 2017 Army</b>								<b>Date: February 2016</b>			
<b>Appropriation/Budget Activity</b> 2040 / 7			<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>				<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>				
	<b>Prior Years</b>	<b>FY 2015</b>	<b>FY 2016</b>		<b>FY 2017 Base</b>	<b>FY 2017 OCO</b>	<b>FY 2017 Total</b>	<b>Cost To Complete</b>	<b>Total Cost</b>	<b>Target Value of Contract</b>	
<b>Project Cost Totals</b>	76.260	1.973	0.000		0.000	7.104	7.104	0.000	85.337	0.000	

**Remarks**

**UNCLASSIFIED**

**Exhibit R-4, RDT&E Schedule Profile: PB 2017 Army** **Date:** February 2016

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>	<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>
--	--	--

Event Name	FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020				FY 2021			
	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
Operational Assessment (Technical Report)	OA																											
Contract Closeout					KTC																							
PM JPlv2 Closeout					PMO																							
Product Development									PD																			
Systems Test & Evaluation									ST&E																			
Operational Test & Evaluation													OT&E															

**UNCLASSIFIED**

<b>Exhibit R-4A, RDT&amp;E Schedule Details:</b> PB 2017 Army		<b>Date:</b> February 2016
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0307665A / <i>Biometrics Enabled Intelligence</i>	<b>Project (Number/Name)</b> B17 / <i>BIOMETRICS ENABLED INTELLIGENCE - MIP</i>

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
Operational Assessment (Technical Report)	1	2015	1	2015
Contract Closeout	2	2015	2	2015
PM JPiv2 Closeout	2	2015	1	2016
Product Development	1	2017	3	2017
Systems Test & Evaluation	2	2017	4	2017
Operational Test & Evaluation	4	2017	1	2018