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

Appropriation/Budget Activity 2040: <i>Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development</i>	R-1 Program Element (Number/Name) PE 0607665A / <i>Family of Biometrics</i>
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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
Total Program Element	-	1.332	13.237	12.098	-	12.098	0.531	1.294	1.317	1.325	Continuing	Continuing
DT2: <i>Non-MIP Biometrics</i>	-	1.332	11.770	10.848	-	10.848	0.000	0.000	0.000	0.000	0.000	23.950
DU2: <i>Management Agency</i>	-	0.000	1.467	1.250	-	1.250	0.531	1.294	1.317	1.325	Continuing	Continuing

Note

Project 0607664A was created to clearly delineate between the future Biometrics Enabling Capability (Authoritative Biometrics System) and Family of Biometrics (current Authoritative Biometrics Repository System) efforts.

A. Mission Description and Budget Item Justification

The Biometrics Enabling Capability (BEC) product office has full life-cycle management responsibility of the upgraded authoritative biometrics enterprise repository system, known as DoD Automated Biometrics Identification System (DoD ABIS). DoD ABIS is an information technology system that supports identity superiority by providing the critical capability for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. DoD ABIS is the authoritative biometrics enterprise system that provides matching, sharing and storing of biometrics data. The capability can receive multi-modal biometrics submissions to include iris, face, palm and finger prints from biometrics collection devices, which will support the Warfighter in making, retain, 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, including Department of Justice (DoJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), and Department of State (DoS).

The Defense Forensics and Biometrics Agency (DFBA) as the Executive Manager for Army Biometrics acts as the DoD proponent to establish and maintain Research, Development, Test & Evaluation (RDTE) and information management support throughout the Armed Services. DFBA leads in the development and implementation of biometric technologies for Combatant Commands (CCMDs), Services, and Agencies; delivers capabilities that contribute to the enhancement of the biometric community; increases Joint Service interoperability and; empowers the warfighter by improving operational effectiveness on the battlefield. The DFBA strategy pursues technology opportunities through scientific discovery and makes investments responsive to specific requirements identified by combat developers. These directives are carried out by DFBA's Office of the Chief Scientist (OCS). OCS coordinates all science and technology (S&T) efforts and oversees the RDT&E program.

Justification:

FY 2017 Research Development Test and Evaluation (RDT&E) funding in the amount of \$10.853 million will support the completion of end of life upgrades and associated developmental testing to support of a service life extension to the DoD ABIS system baseline that will extend the life of the system through FY 2022. These upgrades are required to maintain the systems security accreditation and performance.

FY 2017 funding in the amount of \$1.250 million will provide DFBA the ability to actively manage internal and external research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA conducts biometric T&E activities, including standards conformance and Automated Biometric Identification System (ABIS) interoperability assessments, supporting DoD acquisition organizations, and providing subject matter expertise to DoD and non-DoD government stakeholders.

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B. Program Change Summary (\$ in Millions)	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total
Previous President's Budget	0.000	13.237	1.459	-	1.459
Current President's Budget	1.332	13.237	12.098	-	12.098
Total Adjustments	1.332	0.000	10.639	-	10.639
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	1.332	-			
• Adjustments to Budget Years	-	-	10.639	-	10.639

Change Summary Explanation

The funding increase in the amount of \$10.639 million will support the completion of end of life upgrades and associated testing to support a service life extension to the DoD ABIS system baseline that will extend the life of the system through FY 2022. These upgrades are required to maintain the systems security accreditation and performance.

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army										Date: February 2016		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DT2 / Non-MIP Biometrics			
COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
DT2: Non-MIP Biometrics	-	1.332	11.770	10.848	-	10.848	0.000	0.000	0.000	0.000	0.000	23.950
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Biometrics Enabling Capability (BEC) product office has full life-cycle management responsibility of the upgraded authoritative biometrics enterprise repository system, known as DoD Automated Biometrics Identification System (DoD ABIS). DoD ABIS is an information technology system that supports identity superiority by providing the critical capability for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. DoD ABIS is the authoritative biometrics enterprise system that provides matching, sharing and storing of biometrics data. The capability can receive multi-modal biometrics submissions to include iris, face, palm and finger prints from biometrics collection devices, which will support the Warfighter in making, retain, 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, including Department of Justice (DoJ), Federal Bureau of Investigation (FBI), Department of Homeland Security (DHS), and Department of State (DoS).

Justification:

FY 2017 Research Development Test and Evaluation (RDT&E) funding in the amount of \$10.853 million will support the completion of end of life upgrades and associated developmental testing to support of a service life extension to the DoD ABIS system baseline that will extend the life of the system through FY 2022. These upgrades are required to maintain the systems security accreditation and performance.

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

	FY 2015	FY 2016	FY 2017
Title: DoD ABIS v1.2	1.332	11.770	10.848
Description: Supports development and testing activities for the DoD ABIS v1.2			
FY 2015 Accomplishments: FY15 Base RDT&E supports initial software development activities to include upgraded authoritative biometrics enterprise repository system.			
FY 2016 Plans: FY16 Base RDT&E funding will start key software development activities to include an upgraded Search Core, upgraded Oracle Database and transaction/workflow manager to maintain system performance.			
FY 2017 Plans: FY17 Base RDT&E funding will support the completion of end of life upgrades and associated developmental testing in support of a service life extension to the DoD ABIS system baseline that will extend the life of the system through FY22.			
Accomplishments/Planned Programs Subtotals	1.332	11.770	10.848

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Exhibit R-2A, RDT&E Project Justification: PB 2017 Army	Date: February 2016
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Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DT2 / Non-MIP Biometrics
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C. Other Program Funding Summary (\$ in Millions)

<u>Line Item</u>	<u>FY 2015</u>	<u>FY 2016</u>	<u>FY 2017</u> <u>Base</u>	<u>FY 2017</u> <u>OCO</u>	<u>FY 2017</u> <u>Total</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>FY 2021</u>	<u>Cost To</u> <u>Complete</u>	<u>Total Cost</u>
• OPA: Biometrics Enabling Capability-OPA	-	-	2.978	-	2.978	-	-	-	-	0.000	2.978
• OMA: Biometrics Enabling Capability-OMA	5.748	16.675	19.567	-	19.567	18.449	18.240	18.600	18.693	0	115.972

Remarks

D. Acquisition Strategy

The Army Acquisition Strategy for this program is to upgrade critical software components to extend the service life of the current capability and transition to sustainment.

E. Performance Metrics

N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2017 Army **Date:** February 2016

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DT2 / Non-MIP Biometrics
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Management Services (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PM Management Services	C/FFP	Alexandria : Virginia	15.829	-		-		-		-		-	0	15.829	0
Subtotal			15.829	-		-		-		-		-	0.000	15.829	0.000

Product Development (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Product Development	C/CPFF	Various : various	86.019	1.332		-		-		-		-	0	87.351	0
Service Life Extension	C/CPFF	Various : Various	0.000	-		-		10.848		-		10.848	0	10.848	0
EBTS 3.0 Upgrade	C/CPFF	TBD : TBD	0.000	-		2.500		-		-		-	0	2.500	0
Search Core Upgrade	C/CPFF	TBD : TBD	0.000	-		9.270		-		-		-	0	9.270	0
Subtotal			86.019	1.332		11.770		10.848		-		10.848	0.000	109.969	0.000

Support (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
PM Civilian Personnel	TBD	Alexandria : Virginia	3.358	-		-		-		-		-	0	3.358	0
Other Support Costs (Facility Related Expenses)	TBD	Alexandria : Virginia	0.794	-		-		-		-		-	0	0.794	0
Subtotal			4.152	-		-		-		-		-	0.000	4.152	0.000

Test and Evaluation (\$ in Millions)				FY 2015		FY 2016		FY 2017 Base		FY 2017 OCO		FY 2017 Total	Cost To Complete	Total Cost	Target Value of Contract
Cost Category Item	Contract Method & Type	Performing Activity & Location	Prior Years	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost			
Test and Evaluation (System Testing)	MIPR	Army Test and Evaluation (ATEC); Joint Interoperability Test Command : Various Locations	3.282	-		-		-		-		-	0	3.282	0

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

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / <i>Family of Biometrics</i>	Project (Number/Name) DT2 / <i>Non-MIP Biometrics</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
(1) DoD ABIS v1.2 Sustainment	1	2015	1	2018
(2) DoD ABIS Service Life Extension	2	2016	1	2018
(3) DoD ABIS Service Life Extension Sustainment	2	2018	4	2023

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COST (\$ in Millions)	Prior Years	FY 2015	FY 2016	FY 2017 Base	FY 2017 OCO	FY 2017 Total	FY 2018	FY 2019	FY 2020	FY 2021	Cost To Complete	Total Cost
DU2: Management Agency	-	0.000	1.467	1.250	-	1.250	0.531	1.294	1.317	1.325	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Forensics and Biometrics Agency (DFBA) as the Executive Manager for Army biometrics acts as the DoD proponent to establish and maintain Research, Development, Test & Evaluation (RDTE) and information management support throughout the armed services. DFBA leads in the development and implementation of biometric technologies for Combatant Commands (CCMDs), Services, and Agencies; delivers capabilities that contribute to the enhancement of the biometric community; increases Joint Service interoperability and; empowers the warfighter by improving operational effectiveness on the battlefield. The DFBA strategy pursues technology opportunities through scientific discovery and makes investments responsive to specific requirements identified by combat developers. These directives are carried out by DFBA's Office of the Chief Scientist (OCS). OCS coordinates all science and technology (S&T) efforts and oversees the RDT&E program.

Justification:

FY2017 funding in the amount of \$1.250 million will provide DFBA the ability to actively manage internal and external research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA conducts biometric T&E activities, including standards conformance and Automated Biometric Identification System (ABIS) interoperability assessments, supporting DoD acquisition organizations, and providing subject matter expertise to DoD and non-DoD government stakeholders.

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

	FY 2015	FY 2016	FY 2017
Title: Development and Implementation of Biometric Technologies	-	1.467	1.250
Description: Development and Implementation of Biometric Technologies			
FY 2016 Plans: FY2016 funding in the amount of \$1.467 million will provide DFBA the ability to actively manage internal and external research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA conducts biometric T&E activities, including standards conformance and Automated Biometric Identification System (ABIS) interoperability assessments, supporting DoD acquisition organizations, and providing subject matter expertise to DoD and non-DoD government stakeholders.			
FY 2017 Plans: FY2017 funding in the amount of \$1.250 million will provide DFBA the ability to actively manage internal and external research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA conducts biometric T&E activities, including standards conformance and Automated Biometric Identification System (ABIS) interoperability assessments, supporting DoD acquisition organizations, and providing subject matter expertise to DoD and non-DoD government stakeholders.			
Accomplishments/Planned Programs Subtotals	-	1.467	1.250

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

N/A

Remarks

D. Acquisition Strategy

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

E. Performance Metrics

N/A

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

Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DU2 / Management Agency
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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
BIMA RDTE Efforts																												
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Exhibit R-4A, RDT&E Schedule Details: PB 2017 Army	Date: February 2016
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Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / <i>Family of Biometrics</i>	Project (Number/Name) DU2 / <i>Management Agency</i>
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Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
BIMA RDTE Efforts	1	2016	4	2021

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