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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development					R-1 Program Element (Number/Name) PE 0607665A I Family of Biometrics							
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
Total Program Element	-	11.632	6.159	2.400	-	2.400	1.421	1.325	1.193	1.209	0.000	25.339
DT2: Non-MIP Biometrics	-	10.431	5.500	0.989	-	0.989	0.000	0.000	0.000	0.000	0.000	16.920
DU2: Management Agency	-	1.201	0.659	1.411	-	1.411	1.421	1.325	1.193	1.209	0.000	8.419

A. Mission Description and Budget Item Justification

The Biometrics Enabling Capability (BEC) product office has full life-cycle management responsibility of the DoD authoritative biometrics enterprise repository system, known as DoD Automated Biometrics Identification System (DoD ABIS). BEC Increment 0 is comprised of the current version (v1.2) of DoD ABIS and the Service Life Extension Program (SLEP) which is DoD ABIS v1.3. DoD ABIS supports identity superiority capabilities for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. DoD ABIS 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. DoD ABIS 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) is the Executive Agent for DoD Biometrics and the proponent to establish and maintain Research, Development, Test & Evaluation (RDTE) and information management support throughout the Armed Services and DoD. DFBA leads and facilitates in the development of improvements, and implementation of efficiencies to developed and deployed biometric technologies for Combatant Commands (CCMDs), Services, DoD, and Agencies; facilitates transition of 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.

Justification:

FY 2019 RDT&E funding in the amount of \$989 Thousand (DT2: Non-MIP Biometrics) supports developmental testing and limited user testing for the SLEP (DoD ABIS v 1.3)

FY 2019 funding in the amount of \$1.411 million for Project DU2 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 activities (e.g. standards conformance and interoperability assessments), support to DoD acquisition organizations, and provision of subject matter expertise to DoD and non-DoD government stakeholders.

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Appropriation/Budget Activity		R-1 Program Element (Number/Name)			
2040: Research, Development, Test & Evaluation, Army I BA 7: Operational Systems Development		PE 0607665A I Family of Biometrics			
B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	12.098	6.159	1.426	-	1.426
Current President's Budget	11.632	6.159	2.400	-	2.400
Total Adjustments	-0.466	0.000	0.974	-	0.974
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-0.460	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-0.006	-	0.974	-	0.974
Change Summary Explanation					
Net increase of FY19 BASE RDT&E by \$0.974 million from that reflected in the FY18 PB submission is to support developmental testing and limited user testing of DoD ABIS V1.3.					

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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			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
DT2: Non-MIP Biometrics	-	10.431	5.500	0.989	-	0.989	0.000	0.000	0.000	0.000	0.000	16.920
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 DoD authoritative biometrics enterprise repository system, known as DoD Automated Biometrics Identification System (DoD ABIS). BEC Increment 0 is comprised of the current version (v1.2) of DoD ABIS and the Service Life Extension Program (SLEP) which is DoD ABIS v1.3. DoD ABIS supports identity superiority capabilities for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. DoD ABIS 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. DoD ABIS 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 2019 RDT&E funding in the amount of \$989 Thousand (DT2: Non-MIP Biometrics) supports developmental testing and limited user testing for the SLEP (DoD ABIS v 1.3)

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

	FY 2017	FY 2018	FY 2019
Title: DoD ABIS (BEC 0)	10.431	5.500	0.989
Description: Funding in FY18 and prior supports development and testing activities for the DoD ABIS (BEC Increment 0).			
FY 2018 Plans: Supports development and testing activities for the DoD Automated Biometric Identification System (ABIS) (BEC Increment 0). BEC Increment 0 is comprised of the current version (v1.2) of DoD ABIS and the Service Life Extension Program (SLEP) which is DoD ABIS v1.3. Funding supports the continuation of the SLEP of the DoD (ABIS), including a required update to the Search core, transaction manager, and the authoritative repository, as well as improved / enhanced interoperability with FBI, Department of Homeland Security, and other government entities.			
FY 2019 Plans: FY 2019 RDT&E funding in the amount of \$989 Thousand (DT2: Non-MIP Biometrics) supports developmental testing and limited user testing for the SLEP (DoD ABIS v 1.3)			
FY 2018 to FY 2019 Increase/Decrease Statement:			

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Army							Date: February 2018				
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>				
B. Accomplishments/Planned Programs (\$ in Millions)							FY 2017	FY 2018	FY 2019		
Decrease from FY18 to FY19 is due to the migration from development to testing for the Service Life Extension for DoD ABIS											
Accomplishments/Planned Programs Subtotals							10.431	5.500	0.989		
C. Other Program Funding Summary (\$ in Millions)											
Line Item	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
• BA1300: <i>FAMILY OF BIOMETRICS</i>	2.978	-	8.319	-	8.319	0.281	1.447	1.240	1.252	0.000	15.517
Remarks											
D. Acquisition Strategy											
<p>The Army conducted a fair opportunity competition in FY17 to competitively select the contractor to continue to sustain the system and perform the Service Life Extension Project (SLEP) (DoD ABIS v1.3) Development and Deployment. The resulting contract for DoD ABIS Sustainment Services and SLEP was awarded on June 30, 2017. This upgrade is extremely critical in order to replace end of life hardware and software components, including Commercial Off the Shelf products whose versions currently included in DoD ABIS v1.2 are no longer supported. The SLEP (v1.3) will extend the service life of the current capability through FY22 and transition to sustainment and will improve interoperability with other government entities such as the FBI, DHS, and Department of Justice. The Army is currently staffing an Information System-Capability Development Document (IS-CDD) for BEC Increment 1 that will continue to improve upon the DoD ABIS.</p>											
E. Performance Metrics											
N/A											

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army													Date: February 2018		
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DT2 / Non-MIP Biometrics					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Product Development	C/CPFF	Various : various	87.351	-		-		-		-		-	0.000	87.351	-
Service Life Extension	Option/ Various	Various : Various	5.772	10.431	Jun 2017	5.500		0.839	Jun 2019	-		0.839	0.000	22.542	-
Subtotal			93.123	10.431		5.500		0.839		-		0.839	0.000	109.893	N/A
Remarks FY 2018, \$150K will cover the cost of Test & Evaluation (T&E) and \$839K will cover the developmental testing (DT).															
Support (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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	TBD	Alexandria : Virginia	3.358	-		-		-		-		-	0.000	3.358	-
Other Support Costs (Facility Related Expenses)	TBD	Alexandria : Virginia	0.794	-		-		-		-		-	0.000	0.794	-
Subtotal			4.152	-		-		-		-		-	0.000	4.152	N/A
Test and Evaluation (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
Test and Evaluation (System Testing)	MIPR	Army Test and Evaluation (ATEC); Joint Interoperability Test Command : Various Locations	3.282	-		-		0.150	Jun 2019	-		0.150	0.000	3.432	-
Subtotal			3.282	-		-		0.150		-		0.150	0.000	3.432	N/A
Remarks Funding in the amount of \$150K is used to fund Testing and Evaluation in FY 2018.															







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Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army										Date: February 2018				
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics					Project (Number/Name) DT2 / Non-MIP Biometrics				
	Prior Years	FY 2017			FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	100.557	10.431			5.500		0.989		-		0.989	0.000	117.477	N/A
Remarks														

UNCLASSIFIED

Exhibit R-4, RDT&E Schedule Profile: PB 2019 Army **Date:** February 2018

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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Event Name	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
(1) DoD ABIS v1.2 Sustainment																												
Contract Award - 6 month Bridge (DoD ABIS v1.2) Sustainment																												
(2) DoD ABIS v1.3 SLEP Development and Developmental Testing																												
Competitive Contract Award - SLEP (DoD ABIS v1.3)																												
(3) Limited User Test																												
(4) DoD ABIS v1,3 Service Life Extension Sustainment																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Army			Date: February 2018
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>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
(1) DoD ABIS v1.2 Sustainment	1	2015	3	2019
Contract Award - 6 month Bridge (DoD ABIS v1.2) Sustainment	2	2017	2	2017
(2) DoD ABIS v1.3 SLEP Development and Developmental Testing	3	2017	3	2019
Competitive Contract Award - SLEP (DoD ABIS v1.3)	3	2017	3	2017
(3) Limited User Test	3	2019	3	2019
(4) DoD ABIS v1,3 Service Life Extension Sustainment	3	2019	4	2023

UNCLASSIFIED

Exhibit R-2A, RDT&E Project Justification: PB 2019 Army										Date: February 2018		
Appropriation/Budget Activity 2040 / 7					R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DU2 / Management Agency			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
DU2: Management Agency	-	1.201	0.659	1.411	-	1.411	1.421	1.325	1.193	1.209	0.000	8.419
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Forensics and Biometrics Agency (DFBA) is the Executive Agent for DoD Biometrics and the proponent to establish and maintain Research, Development, Test & Evaluation (RDTE) and information management support throughout the Armed Services and DoD. DFBA leads and facilitates in the development of improvements, and implementation of efficiencies to developed and deployed biometric technologies for Combatant Commands (CCMDs), Services, DoD, and Agencies; facilitates transition of 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.

Justification:

FY 2019 funding in the amount of \$1.411 million for Project DU2 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 activities (e.g. standards conformance and interoperability assessments), support to DoD acquisition organizations, and provision of subject matter expertise to DoD and non-DoD government stakeholders.

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

	FY 2017	FY 2018	FY 2019
Title: Development and Implementation of Biometric Technologies	1.201	0.659	1.411
Description: Internal and External Research of Biometric Technologies			
FY 2018 Plans: FY 2018 funding in the amount of \$.659 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. Funding will be used to support enhancements for automated matching and detection capabilities for fingerprints, face, iris, voice, DNA modalities supporting DoD acquisition organizations and stakeholders, and in coordination with non-DoD stakeholders.			
FY 2019 Plans: FY 2019 funding in the amount of \$1.411 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. Funding will be used to support enhancements for automated matching and detection capabilities for fingerprints, face, iris, voice, DNA modalities supporting DoD acquisition organizations and stakeholders, and in coordination with non-DoD stakeholders.			
FY 2018 to FY 2019 Increase/Decrease Statement:			

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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>	
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018
The increase of \$0.752 million between FY 2018 and FY 2019 will allow DFBA the ability to actively manage additional planned biometric research efforts.			
Accomplishments/Planned Programs Subtotals		1.201	0.659
C. Other Program Funding Summary (\$ in Millions)			
N/A			
Remarks			
D. Acquisition Strategy			
DFBA uses a variety of existing contract vehicles to support the continued development of technology advancements for the fingerprint, face, iris, palm, and voice modalities. In addition to advancing the state of the art, these efforts enable DFBA to produce updated standards and architectures for the DoD Biometrics Enterprise in support of interoperability objectives.			
E. Performance Metrics			
N/A			

UNCLASSIFIED

Exhibit R-3, RDT&E Project Cost Analysis: PB 2019 Army												Date: February 2018			
Appropriation/Budget Activity 2040 / 7						R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics				Project (Number/Name) DU2 / Management Agency					
Product Development (\$ in Millions)				FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 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
DFBA RDTE efforts	MIPR	Various Activities : Various locations	9.221	1.201		0.659		1.411		-		1.411	0.000	12.492	-
Subtotal			9.221	1.201		0.659		1.411		-		1.411	0.000	12.492	N/A
Remarks															
Continuation of development of state of the art sensor capabilities enables the advancement of collection, match, share, and store capabilities. As sensors mature and take advantage of new spectra for biometric identification, the results from these capabilities enable DFBA to proactively advance the standards and architectures needed to use the advanced capabilities.															
			Prior Years	FY 2017		FY 2018		FY 2019 Base		FY 2019 OCO		FY 2019 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			9.221	1.201		0.659		1.411		-		1.411	0.000	12.492	N/A
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2019 Army	Date: February 2018
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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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Event Name	FY 2017				FY 2018				FY 2019				FY 2020				FY 2021				FY 2022				FY 2023			
	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
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice FY19 Projects																												
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice FY21 Projects																												
DFBA Interoperability FY19 Projects																												
DFBA Interoperability FY21 Projects																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2019 Army			Date: February 2018
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>	

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice FY19 Projects	2	2019	4	2020
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice FY21 Projects	2	2021	4	2022
DFBA Interoperability FY19 Projects	2	2019	4	2020
DFBA Interoperability FY21 Projects	2	2021	4	2022