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Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Army										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
Total Program Element	-	7.179	12.098	6.159	-	6.159	1.426	1.438	1.341	1.207	Continuing	Continuing
DT2: Non-MIP Biometrics	-	5.772	10.848	5.500	-	5.500	0.000	0.000	0.000	0.000	0.000	22.120
DU2: Management Agency	-	1.407	1.250	0.659	-	0.659	1.426	1.438	1.341	1.207	Continuing	Continuing

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. Biometric Automated Toolset-Army (BAT-A) is the Army Program of Record for the current Army collection capability. 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 Manager for Army Biometrics and 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 the DFBA Office of the Chief Scientist (OCS). OCS coordinates all science and technology (S&T) efforts and oversees the RDT&E program.

Justification:

FY18 RDT&E funding in the amount of \$5.5 million (DT2: Non-MIP Biometrics) enables the BEC product office to continue the DoD ABIS Service Life Extension Program (SLEP). Funding supports 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. Updates to the current Electronic Biometric Transmission Standard (EBTS) which is required in order to enable International Caveat, also improves sharing of data throughout the biometric community. This funding also supports testing of the DoD ABIS SLEP.

FY 2018 funding in the amount of \$0.659 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 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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Appropriation/Budget Activity 2040: Research, Development, Test & Evaluation, Army / BA 7: Operational Systems Development		R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics			
B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	13.237	12.098	0.531	-	0.531
Current President's Budget	7.179	12.098	6.159	-	6.159
Total Adjustments	-6.058	0.000	5.628	-	5.628
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-5.531	-			
• SBIR/STTR Transfer	-0.527	-			
• Adjustments to Budget Years	0.000	0.000	0.128	-	0.128
• Other Adjustments 1	0.000	0.000	5.500	-	5.500
Change Summary Explanation					
FY16 RDT&E funding in the amount of \$5.531 million was reprogrammed to support other priority Army requirements. This FY16 reprogramming also supported a re-phasing of funding requirements to better align with the revised program schedule.					
FY18 RDT&E funding in the amount of \$5.5 million (DT2: Non-MIP Biometrics) enables the BEC product office to continue the SLEP of the DoD ABIS. Funding supports a required update to the search core, transaction manager and the authoritative repository, as well as improved / enhanced interoperability with the Department of Justice, Department of Homeland Security and other government entities. Updates to the current Electronic Biometric Transmission Standard (EBTS) which is required in order to enable International Caveat, also improves sharing of data throughout the biometric community. This funding also supports testing of the DoD ABIS SLEP.					

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Exhibit R-2A, RDT&E Project Justification: FY 2018 Army										Date: May 2017		
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 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DT2: Non-MIP Biometrics	-	5.772	10.848	5.500	-	5.500	0.000	0.000	0.000	0.000	0.000	22.120
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. Biometric Automated Toolset-Army (BAT-A) is the Army Program of Record for the current Army collection capability. 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:

FY18 RDT&E funding in the amount of \$5.5M (DT2: Non-MIP Biometrics) enables the BEC product office to continue the DoD ABIS Service Life Extension Program (SLEP). Funding supports 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. Updates to the current Electronic Biometric Transmission Standard (EBTS) which is required in order to enable International Caveat, also improves sharing of data throughout the biometric community. This funding also supports testing of the DoD ABIS SLEP.

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

	FY 2016	FY 2017	FY 2018
Title: DoD ABIS (BEC 0)	5.772	10.848	5.500
Description: Supports development and testing activities for the DoD ABIS (BEC Increment 0).			
FY 2016 Accomplishments: FY16 Base RDT&E funding supports the Systems Integrator Follow on Contract for the SLEP, DoD ABIS v1.3.			
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.			
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			

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B. Accomplishments/Planned Programs (\$ in Millions)										FY 2016	FY 2017	FY 2018
core, transaction manager and the authoritative repository, as well as improved / enhanced interoperability with FBI, Department of Homeland Security and other government entities. Funding also supports the required testing of the SLEP DoD ABIS.												
Accomplishments/Planned Programs Subtotals										5.772	10.848	5.500
C. Other Program Funding Summary (\$ in Millions)												
Line Item	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost	
• OPA: <i>Biometrics Enabling Capability-OPA BA1300</i>	-	2.978	-	-	-	-	-	-	-	0.000	2.978	
• OMA: <i>Biometrics Enabling Capability-OMA</i>	16.675	19.567	16.768	-	16.768	17.891	18.210	17.275	17.682	0	124.068	
Remarks												
D. Acquisition Strategy												
The Army Acquisition Strategy for this program is to; a) award a Bridge Contract in FY17 to the current Systems Integration contractor to continue the operations and sustainment of the current capability (DoD ABIS v1.2); b) conduct a full and open competition in FY17 to competitively select the contractor to perform the Service Life Extension (DoD ABIS v1.3) Development and Deployment. 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 developing and staffing the requirements documentation and strategy for the next / future Biometrics Enabling Capability that will continue to improve upon the DoD Automated Biometric Identification System.												
E. Performance Metrics												
N/A												

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COST (\$ in Millions)	Prior Years	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total	FY 2019	FY 2020	FY 2021	FY 2022	Cost To Complete	Total Cost
DU2: Management Agency	-	1.407	1.250	0.659	-	0.659	1.426	1.438	1.341	1.207	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Defense Forensics and Biometrics Agency (DFBA) is the Executive Manager for Army biometrics and 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 2018 funding in the amount of \$0.659 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. DFBA conducts biometric T&E activities, including standards conformance and DoD 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 2016	FY 2017	FY 2018
Title: Development and Implementation of Biometric Technologies	1.407	1.250	0.659
Description: Development and Implementation of Biometric Technologies			
FY 2016 Accomplishments: FY2016 funding in the amount of \$1.407 million provided 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.			
FY 2018 Plans:			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017
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. DFBA conducts biometric T&E activities, including standards conformance and DoD 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		1.407	1.250
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			