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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army										Date: March 2019		
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
Total Program Element	-	3.032	2.397	1.702	-	1.702	1.325	1.193	1.209	1.221	Continuing	Continuing
DT2: Non-MIP Biometrics	-	2.400	0.988	0.281	-	0.281	0.000	0.000	0.000	0.000	0.000	3.669
DU2: Management Agency	-	0.632	1.409	1.421	-	1.421	1.325	1.193	1.209	1.221	Continuing	Continuing

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

DT2 / Non-MIP Biometrics - Biometrics Enabling Capability (BEC) Increment 0, also known as DoD Automated Biometrics Identification System (DoD ABIS), is an information technology system supporting identity superiority by providing the critical core capability for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. BEC Increment 0 is a Program of Record and DoD's only authoritative biometric repository, providing 24/7 operational support for the Warfighter and interagency partners to decide and act in near-real time with timely identification and identity verification of known or suspected terrorists across the full range of military operations and preventing terrorist operations. DoD ABIS enables DOD, Interagency and International Partners to effectively impede adversary's ability to conceal their identity and intentions. DoD ABIS supports all three objectives of the National Defense Strategy to increase lethality, enhance International Cooperation and improve business practices

The Defense Forensics and Biometrics Agency (DFBA) under the Provost Marshal General, fulfills the Secretary of the Army's Executive Agent (EA) responsibilities for all DoD forensics and biometrics activities. In addition, DFBA is the proponent to establish and maintain Research, Development, Test & Evaluation (RDT&E) 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 2020 RDT&E funding in the amount of \$0.281 million (DT2: Non-MIP Biometrics) supports cyber security testing and preparation for DoD ABIS Service Life Extension Program (SLEP) operational testing.

FY 2020 funding in the amount of \$1.421 million for Project DU2 will provide DFBA the ability to actively manage research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA supports the conduct of biometrics and forensics 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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Exhibit R-2, RDT&E Budget Item Justification: PB 2020 Army				Date: March 2019	
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			
B. Program Change Summary (\$ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	6.159	2.400	1.421	-	1.421
Current President's Budget	3.032	2.397	1.702	-	1.702
Total Adjustments	-3.127	-0.003	0.281	-	0.281
• Congressional General Reductions	-0.003	-0.003			
• Congressional Directed Reductions	-3.000	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.124	-			
• Adjustments to Budget Years	-	-	0.281	-	0.281
Change Summary Explanation					
Increase of \$0.281 million FY 2020 BASE RDT&E supports DoD ABIS cyber security testing and preparation for operational testing of the SLEP.					

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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
DT2: Non-MIP Biometrics	-	2.400	0.988	0.281	-	0.281	0.000	0.000	0.000	0.000	0.000	3.669
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

DT2 / Non-MIP Biometrics - Biometrics Enabling Capability (BEC) Increment 0, also known as DoD Automated Biometrics Identification System (DoD ABIS), is an information technology system supporting identity superiority by providing the critical core capability for Warfighters to identify known or suspected terrorists and third country nationals in the course of military operations. BEC Increment 0 is a Program of Record and DoD's only authoritative biometric repository, providing 24/7 operational support for the Warfighter and interagency partners to decide and act in near-real time with timely identification and identity verification of known or suspected terrorists across the full range of military operations and preventing terrorist operations. DoD ABIS enables DOD, Interagency and International Partners to effectively impede adversary's ability to conceal their identity and intentions. DoD ABIS supports all three objectives of the National Defense Strategy to increase lethality, enhance International Cooperation and improve business practices.

Justification:

FY 2020 RDT&E funding in the amount of \$0.281 million (DT2: Non-MIP Biometrics) supports cyber security testing and preparation for DoD ABIS Service Life Extension Program (SLEP) operational testing.

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

	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
<b>Title:</b> DoD ABIS (BEC 0)	2.400	0.956	0.281
<b>Description:</b> Supports cyber security testing and preparation for DoD ABIS Service Life Extension Program (SLEP) operational testing.			
<b>FY 2019 Plans:</b> FY 2019 RDT&E funding in the amount of \$0.956 million (DT2: Non-MIP Biometrics) supports the service life extension of DoD ABIS contractor testing.			
<b>FY 2020 Plans:</b> FY 2020 RDT&E funding in the amount of \$0.281 million (DT2: Non MIP Biometrics) supports cyber security testing and preparation for operational testing of the SLEP.			
<b>FY 2019 to FY 2020 Increase/Decrease Statement:</b> Decrease reflects costs to support cyber security testing and preparation for DoD ABIS SLEP operational testing.			
<b>Title:</b> FY 2019 SBIR / STTR Transfer	-	0.032	-
<b>FY 2019 Plans:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Army							<b>Date:</b> March 2019				
<b>Appropriation/Budget Activity</b> 2040 / 7			<b>R-1 Program Element (Number/Name)</b> PE 0607665A / <i>Family of Biometrics</i>			<b>Project (Number/Name)</b> DT2 / <i>Non-MIP Biometrics</i>					
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>							<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>		
SBIR/STTR											
<b><i>FY 2019 to FY 2020 Increase/Decrease Statement:</i></b> SBIR only accounted for in FY19.											
<b>Accomplishments/Planned Programs Subtotals</b>							2.400	0.988	0.281		
<b>C. Other Program Funding Summary (\$ in Millions)</b>											
<b>Line Item</b>	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020 Base</b>	<b>FY 2020 OCO</b>	<b>FY 2020 Total</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
• BA1300: <i>FAMILY OF BIOMETRICS</i>	-	8.319	1.000	-	1.000	-	-	-	-	0.000	9.319
<b>Remarks</b>											
<b>D. Acquisition Strategy</b>											
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 Program (SLEP) 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 are no longer supported. The SLEP will extend the service life of the current capability and will improve interoperability with other government entities such as the FBI and DHS.											
<b>E. Performance Metrics</b>											
N/A											

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**Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army** **Date:** March 2019

<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607665A / <i>Family of Biometrics</i>	<b>Project (Number/Name)</b> DT2 / <i>Non-MIP Biometrics</i>
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Product Development (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	Leidos : Fairmont, WV	16.203	2.400		0.956	Jun 2019	0.281		-		0.281	0.000	19.840	-
FY 2019 SBIR / STTR Transfer	TBD	TBD : TBD	-	-		0.032		-		-		-	0.000	0.032	-
<b>Subtotal</b>			103.554	2.400		0.988		0.281		-		0.281	0.000	107.223	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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	-
<b>Subtotal</b>			4.152	-		-		-		-		-	0.000	4.152	N/A

Test and Evaluation (\$ in Millions)				FY 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	-		-		-		-		-	0.000	3.282	-
<b>Subtotal</b>			3.282	-		-		-		-		-	0.000	3.282	N/A

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army										Date: March 2019				
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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals		110.988	2.400		0.988		0.281		-		0.281	0.000	114.657	N/A
Remarks														

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**Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army**

**Date:** March 2019

### 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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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DT2 / Non-MIP Biometrics

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
(1) DoD ABIS v1.2 Sustainment	1	2017	4	2020
(2) DoD ABIS SLEP Development and Contractor Testing	3	2017	4	2020
(3) DoD ABIS v1.3 Sustainment	1	2021	4	2023



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Exhibit R-2A, RDT&E Project Justification: PB 2020 Army										Date: March 2019		
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 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total	FY 2021	FY 2022	FY 2023	FY 2024	Cost To Complete	Total Cost
DU2: Management Agency	-	0.632	1.409	1.421	-	1.421	1.325	1.193	1.209	1.221	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

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

The Defense Forensics and Biometrics Agency (DFBA) under the Provost Marshal General, fulfills the Secretary of the Army's Executive Agent (EA) responsibilities for all DoD forensics and biometrics activities. As the proponent, DFBA supports and provides oversight for Research, Development, Test & Evaluation (RDT&E) activities and information management 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 2020 funding in the amount of \$1.421 million for Project DU2 will provide DFBA the ability to actively manage research efforts to ensure scientific merit, feasibility, and DFBA objectives and requirements are met. DFBA supports the conduct of biometric and forensics 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)**

	<b>FY 2018</b>	<b>FY 2019</b>	<b>FY 2020</b>
<b>Title:</b> Development and Implementation of Biometric Technologies	0.632	1.364	1.421
<b>Description:</b> Biometrics and Forensics Technologies Research			
<b>FY 2019 Plans:</b> 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.			
<b>FY 2020 Plans:</b> FY 2020 funding in the amount of \$1.421 million will provide DFBA the ability to actively manage 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, palm, face, iris, voice, and DNA modalities supporting DoD acquisition organizations and stakeholders, and in coordination with non-DoD stakeholders.			
<b>FY 2019 to FY 2020 Increase/Decrease Statement:</b>			

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<b>Exhibit R-2A, RDT&amp;E Project Justification:</b> PB 2020 Army		<b>Date:</b> March 2019	
<b>Appropriation/Budget Activity</b> 2040 / 7	<b>R-1 Program Element (Number/Name)</b> PE 0607665A / <i>Family of Biometrics</i>	<b>Project (Number/Name)</b> DU2 / <i>Management Agency</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2018</b>	<b>FY 2019</b>
Increase from FY 2019 to FY 2020 is due to application of inflation.			
<b>Title:</b> FY 2019 SBIR / STTR Transfer		-	0.045
<b>FY 2019 Plans:</b> SBIR/STTR			
<b>FY 2019 to FY 2020 Increase/Decrease Statement:</b> SBIR/STTR only accounted for in FY19.			
<b>Accomplishments/Planned Programs Subtotals</b>		0.632	1.409
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
<b>D. Acquisition Strategy</b>			
DFBA uses a variety of existing contract vehicles to support the continued development of technology advancements for the fingerprint, face, iris, palm, DNA reference, 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 and Forensics Enterprise in support of interoperability objectives.			
<b>E. Performance Metrics</b>			
N/A			

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2020 Army												Date: March 2019			
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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 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	10.422	0.632	Jun 2018	1.364		1.421	Jun 2020	-		1.421	Continuing	Continuing	-
FY 2019 SBIR / STTR Transfer	TBD	TBD : TBD	-	-		0.045		-		-		-	0.000	0.045	-
Subtotal			10.422	0.632		1.409		1.421		-		1.421	Continuing	Continuing	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 2018		FY 2019		FY 2020 Base		FY 2020 OCO		FY 2020 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			10.422	0.632		1.409		1.421		-		1.421	Continuing	Continuing	N/A
Remarks															

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**Exhibit R-4, RDT&E Schedule Profile: PB 2020 Army**

**Date:** March 2019

**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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Exhibit R-4A, RDT&E Schedule Details: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 7	R-1 Program Element (Number/Name) PE 0607665A / Family of Biometrics	Project (Number/Name) DU2 / Management Agency

Schedule Details

Events	Start		End	
	Quarter	Year	Quarter	Year
DFBA RDT&E Fingerprint, Face, Iris, Palm, and Voice	2	2019	4	2024
DFBA Interoperability	2	2019	4	2024