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 2: *Applied Research*					R-1 Program Element (Number/Name) PE 0602213A *I C3I Applied Cyber*							
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	-	0.000	0.000	18.947	-	18.947	21.718	20.923	21.675	22.142	0.000	105.405
2CY: *Information Trust Technology*	-	0.000	0.000	1.222	-	1.222	1.221	0.516	1.011	0.996	0.000	4.966
3CY: *Network Access and Effects Technology*	-	0.000	0.000	3.945	-	3.945	4.195	6.733	6.888	6.965	0.000	28.726
5CY: *Offensive Cyber Operations (OCO) Mirror Technology*	-	0.000	0.000	1.000	-	1.000	1.000	1.000	1.000	1.011	0.000	5.011
CY1: *Information Assurance and Network Resiliency Tech*	-	0.000	0.000	3.357	-	3.357	3.491	3.476	3.879	4.149	0.000	18.352
CY6: *Autonomous Cyber Technology*	-	0.000	0.000	3.733	-	3.733	6.139	4.292	2.657	2.801	0.000	19.622
CY8: *Cyber Security App Research and Exper Partner Tech*	-	0.000	0.000	2.733	-	2.733	2.788	2.844	2.901	2.933	0.000	14.199
CY9: *Decoy and Deterrence Technology*	-	0.000	0.000	2.957	-	2.957	2.884	2.062	3.339	3.287	0.000	14.529

Note

In Fiscal Year (FY) 2020 this Program Element (PE) is realigned with continuity of effort from the following PEs:
* PE 0602270A Electronic Warfare Technology
* PE 0602782A Command, Control, Communications Technology Project
* PE 0602783A Computer and Software Technology

A. Mission Description and Budget Item Justification

This PE designs cyber architectures, software, tools, and techniques to enable Cyber Electromagnetic Activities (CEMA) to counter adversary communications and harden the Army's tactical communications networks against cyber attacks. For offensive cyber effort against adversary communications, efforts investigate capabilities to identify and capture data traversing targeted networks for detection, identification, exploitation, direction finding, geolocation, and denial of service. For defensive cyber efforts hardening the Army's tactical network, efforts also investigates and applies robust cyber security technologies and techniques to advance software, algorithms and protocols utilized within tactical networks to protect against nation state level cyber attacks and maintain Warfighter confidence in network information by hardening the blue force attack surface.

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 2: *Applied Research*	**R-1 Program Element (Number/Name)** PE 0602213A *I C3I Applied Cyber*

All FY20 adjustments align program financial structure to Army Modernization Priorities in support of the National Defense Strategy.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Priorities.

B. Program Change Summary ($ in Millions)	FY 2018	FY 2019	FY 2020 Base	FY 2020 OCO	FY 2020 Total
Previous President's Budget	0.000	0.000	0.000	-	0.000
Current President's Budget	0.000	0.000	18.947	-	18.947
Total Adjustments	0.000	0.000	18.947	-	18.947
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Adjustments to Budget Years	-	-	18.947	-	18.947

Change Summary Explanation

FY20 increase related to Science and Technology financial restructuring.

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) 2CY / *Information Trust Technology*	

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
2CY: *Information Trust Technology*	-	0.000	0.000	1.222	-	1.222	1.221	0.516	1.011	0.996	0.000	4.966

Note

In Fiscal Year (FY) 2020 this Project is realigned from:
Program Element (PE) 0602782A Command, Control, Communications Technology:
* Project CY2 Applied Defensive Cyber

A. Mission Description and Budget Item Justification

This Project develops defensive cyber technology to ensure that data traversing the network remains verified and has not been modified through unauthorized means.

Work in this Project complements PE 0603457A (C3I Cyber Advanced Development) / Project 8CY (Information Trust Advanced Technology).

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Information Trust Technology	-	-	1.222
Description: This effort develops defensive cyber technology to ensure that data traversing the network remains verified and has not been modified through unauthorized means. ***FY 2020 Plans:*** Will investigate and leverage message integrity checking functionality similar to those adopted by cross domain security solutions to analyze fixed format message types against well documented data specifications; explore use of machine learning and virtual containment techniques to develop software-based application services that ensure the integrity of a message's data, origin, and chain of custody as it traverses the network; and investigate de-centralized lightweight blockchain techniques that can be leveraged to ensure a secure distributed ledger of messages and associated risk with automated analysis of attempted malicious modification. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** FY 2020 funds are realigned from PE 0602782A Command, Control, Communications Technology/Project CY2 as part of the financial restructure and in support of Army Modernization Priorities.			
Accomplishments/Planned Programs Subtotals	-	-	1.222

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** 2CY / *Information Trust Technology*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) 3CY / *Network Access and Effects Technology*	

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
3CY: *Network Access and Effects Technology*	-	0.000	0.000	3.945	-	3.945	4.195	6.733	6.888	6.965	0.000	28.726

Note

In Fiscal Year (FY) 2020 this Project was realigned from:
Program Element (PE) 0602270A Electronic Warfare Technology
* Project CYB Applied Offensive Cyber

A. Mission Description and Budget Item Justification

This Project investigates the application of machine learning technologies to assist in capability development and mission execution processes with respect to Offensive Cyber Operations (OCO)/Radio Frequency (RF) Enabled capabilities.

Work in this Project complements PE 0603457A C3I Cyber Advanced Development/Project 9CY Network Access and Effects Advanced Technology.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the U.S. Army Futures Command.

Fiscal Year (FY) 2020 realignments are due to financial restructuring in support of Army Modernization Priorities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Applied OCO Techniques and Analytics	-	-	3.945
Description: This effort investigates the application of machine learning technologies to assist in capability development and mission execution processes with respect to OCO/RF Enabled capabilities.			
FY 2020 Plans: Will research use of non-kinetic effects (e.g. protocol-based/system-based/RF-enabled) against emerging commercial/military and hybrid technologies used in Adversary Command, Control, Communication, Computers, and Intelligence (AC4I) systems; investigate remote software delivery and software execution against AC4I; and research the ability to reduce cyber/RF operator cognitive burden using machine learning based decision aids and target pairing (e.g., cyber and RF enabled).			
FY 2019 to FY 2020 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** 3CY / *Network Access and Effects Technology*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
This research effort was realigned from PE 0602270A (Electronic Warfare Technology) / Project CYB (Applied Offensive Cyber) in FY20 as part of the financial restructuring.			
Accomplishments/Planned Programs Subtotals	-	-	3.945

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) 5CY / *Offensive Cyber Operations (OCO) Mirror Technology*	

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
5CY: *Offensive Cyber Operations (OCO) Mirror Technology*	-	0.000	0.000	1.000	-	1.000	1.000	1.000	1.000	1.011	0.000	5.011

Note

In Fiscal Year (FY) 2020 this Project was realigned from:
Program Element (PE) 0602270A Electronic Warfare Technology
* Project CYB Applied Offensive Cyber

A. Mission Description and Budget Item Justification

This Project designs, creates, evaluates, and applies emerging cyber techniques and cyber situational awareness technologies to enhance Army capabilities. This Project leverages behavioral Modeling and Simulation to mitigate risks and investigates cyber collection and mapping technologies to offer real time cyber situational awareness to enable interpretation of current threats and predict future enemy activities. This allows commanders to develop operational courses of action in time to act decisively and in a pre-emptive manner.

All FY20 adjustments align program financial structure to Army Modernization Priorities in support of the National Defense Strategy.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command (AFC).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Offensive Cyber Operations Mirror Technology	-	-	1.000
Description: Will research emerging internet technologies that enable Offensive Cyber operations infrastructure maneuver within neutral (gray) cyberspace environment; conduct experiments within a modeling and simulation environment (to include behavioral components) to enhance rapid offensive cyber developed capabilities, cyber mission rehearsal, and training.			
FY 2020 Plans: Will research emerging internet technologies that enable Offensive Cyber operations infrastructure maneuver within neutral (gray) cyberspace environment; conduct experiments within a modeling and simulation environment (to include behavioral components) to enhance rapid offensive cyber developed capabilities, cyber mission rehearsal, and training.			
FY 2019 to FY 2020 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** 5CY / *Offensive Cyber Operations (OCO) Mirror Technology*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
This research effort was realigned from PE 0602270A (Electronic Warfare Technology) / Project CYB (Applied Offensive Cyber) in FY20 as part of the financial restructuring..			
Accomplishments/Planned Programs Subtotals	-	-	1.000

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) CY1 / *Information Assurance and Network Resiliency Tech*	

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
CY1: *Information Assurance and Network Resiliency Tech*	-	0.000	0.000	3.357	-	3.357	3.491	3.476	3.879	4.149	0.000	18.352

Note

In Fiscal Year (FY) 2020 this Project is realigned from:
Program Element (PE) 0602783A Computer and Software Technology:
* Project Y10 Computer/Info Sci Tech

A. Mission Description and Budget Item Justification

This Project develops and characterizes techniques for detecting, disrupting, understanding and predicting complex adversarial activities and their impacts for developing agile, adaptive maneuvers in defense of information and networks (Agile Cyber Maneuver and Resilience); hardware, algorithms, and methods that jointly adapt to support uninterrupted communications (Autonomous Tactical Networking).

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command.

Fiscal Year (FY) 2020 realignments are due to financial restructuring in support of Army Modernization Priorities.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Information Assurance and Network Resiliency Technology	-	-	3.357
Description: This effort designs and characterizes software for the protection of information and networks in wireless tactical environments. The goal is to develop software algorithms that detect and defeat malicious activities of adversaries in bandwidth-constrained tactical networks.			
FY 2020 Plans: Will design and develop networking architectures with novel features such as the exploitation of quantum entanglement or the inclusion of a supervisory layer that has global protocol-stack visibility and reduced operational speed requirements so as to be able to effect joint optimization of complex objective functions across all network layers; and develop experimental methods and systems and execute experimentation to investigate and characterize protocols enabled by such networking architectures.			
FY 2019 to FY 2020 Increase/Decrease Statement:			

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** CY1 / *Information Assurance and Network Resiliency Tech*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
This research effort was realigned from PE 0602783A (Computer and Software Technology) / Project Y10 (Computer/Info Sci Tech) in FY20 as part of the financial restructuring.			
Accomplishments/Planned Programs Subtotals	-	-	3.357

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) CY6 / *Autonomous Cyber Technology*	

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
CY6: *Autonomous Cyber Technology*	-	0.000	0.000	3.733	-	3.733	6.139	4.292	2.657	2.801	0.000	19.622

Note

In Fiscal Year (FY) 2020 this Project is realigned from:
Program Element (PE) 0602782A Command, Control, Communications Technology:
* Project CY2 Applied Defensive Cyber

A. Mission Description and Budget Item Justification

This Project investigates and applies robust cyber security techniques and applications to advanced communications and networking devices, software, algorithms and protocols utilized within wireless tactical networks to protect against nation state level cyber effects and maintain Warfighter confidence in network information, resources, identities and mission partners by hardening the blue force attack surface.

All FY 2020 adjustments align program financial structure to Army Modernization Priorities in support of the National Defense Strategy.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command (AFC).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Autonomous Cyber Technology	-	-	3.733
Description: This effort develops defensive cyber technology to secure the automated network decisions (e.g., Primary, Alternate, Contingency, and Emergency (PACE)) and defend against adaptive, autonomous cyber attacks at machine speed. ***FY 2020 Plans:*** Develop an interoperable Artificial Intelligence/Machine Learning (AI/ML) based cyber defense decision aid architecture supporting warfighter planning; and investigate concepts that support development of generative network algorithms and neural network software to simulate adversarial attacks on AI/ML algorithms that can be utilized to ensure trustworthiness of autonomous network configuration decisions and mitigate any vulnerable decisions. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** This research effort is realigned from PE 0602782A (Command, Control, Communications Technology) / Project CY2 (Applied Defensive Cyber in FY20 as part of the financial restructuring.			
Accomplishments/Planned Programs Subtotals	-	-	3.733

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** CY6 / *Autonomous Cyber Technology*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) CY8 / *Cyber Security App Research and Exper Partner Tech*	

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
CY8: *Cyber Security App Research and Exper Partner Tech*	-	0.000	0.000	2.733	-	2.733	2.788	2.844	2.901	2.933	0.000	14.199

Note

In Fiscal Year (FY) 2020 this Project is realigned from:
Program Element (PE) 0602782A Command, Control, Communications Technology:
* Project CY2 Applied Defensive Cyber

A. Mission Description and Budget Item Justification

This Project investigates cyber electromagnetic activities (CEMA), cyber security devices, software and techniques to harden wireless communications networks against cyber-attacks and new mobile networking protocols that afford resilience within our networks to autonomically 'fight through' and/or evade hostile cyber effects.

All FY20 adjustments align program financial structure to Army Modernization Priorities in support of the National Defense Strategy.

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command (AFC).

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Cyber Security Applied Research & Experimentation Partner (AREP) Technology	-	-	2.733
Description: This effort will take innovative basic research theories from the Cyber Collaborative Research Alliance (CRA) and experimentally validate the hypothesis and create proof-of-concept defensive cyber software implementations. Work being accomplished under PE 0602782A (Command, Control, Communications Technology) / Project H92 (Communications Technology) complements this effort, and this effort is fully coordinated with the Army Research Lab Cyber Security Collaborative Research Alliance, PE 0601121A (Cyber Collaborative Research Alliance) / Project CB5 (Cyber Collaborative Research Alliance).			
FY 2020 Plans: Will continue to investigate stealthy virtual machine migration techniques that incorporate machine learning to improve obscuring of critical network traffic that supports dynamic distribution of software; investigate efficient machine learning techniques the can potentially enhance high fidelity cyber decoys with adversarial action prediction qualities; will investigate machine learning techniques that can detect and counter adversarial machine learning; investigate machine learning and game theoretical techniques that can operate on limited or 'dirty' data sets to make decisions on attack disruption; and investigate techniques that			

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** CY8 / *Cyber Security App Research and Exper Partner Tech*

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
can reason on adversarial intent and potential predict adversary next move. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** This research effort was realigned from PE 0602782A (Command, Control, Communications Technology) / Project CY2 (Applied Defensive Cyber) in FY20 as a result of the financial restructuring.			
Accomplishments/Planned Programs Subtotals	-	-	2.733

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army			Date: March 2019
Appropriation/Budget Activity 2040 / 2	R-1 Program Element (Number/Name) PE 0602213A / *C3I Applied Cyber*	Project (Number/Name) CY9 / *Decoy and Deterrence Technology*	

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
CY9: *Decoy and Deterrence Technology*	-	0.000	0.000	2.957	-	2.957	2.884	2.062	3.339	3.287	0.000	14.529

Note

In Fiscal Year (FY) 2020 this Project is realigned from:
Program Element (PE) 0602782A Command, Control, Communications Technology:
* Project CY2 Applied Defensive Cyber

A. Mission Description and Budget Item Justification

This Project designs technologies to counter enemy cyber threats by delaying, disrupting, and deterring their ability to successfully attack tactical systems, applications, and critical data.

Work in this Project complements PE 0603457A (C3I Cyber Advanced Development) / Project 7CY (Decoy and Deterrence Advanced Technology).

The cited work is consistent with the Under Secretary of Defense for Research and Engineering priority focus areas and the Army Modernization Strategy.

Work in this Project is performed by the United States Army Futures Command.

B. Accomplishments/Planned Programs ($ in Millions)	FY 2018	FY 2019	FY 2020
Title: Decoy and Deterrence Technology	-	-	2.957
Description: This effort designs technologies to counter enemy cyber threats by delaying, disrupting, and deterring their ability to successfully attack tactical systems, applications, and critical data. ***FY 2020 Plans:*** Will investigate concepts and mechanisms utilizing pattern matching algorithms and steganographic authentication; and will investigate suitable machine learning and intelligent data transfer throttling techniques that can be closely coupled with cyber sensors to enable rapid generation and control of cyber decoys. ***FY 2019 to FY 2020 Increase/Decrease Statement:*** This research effort was realigned from PE 0602782A (Command, Control, Communications Technology) / Project CY2 (Applied Defensive Cyber) in FY20 as part of the financial restructuring.			
Accomplishments/Planned Programs Subtotals	-	-	2.957

Exhibit R-2A, RDT&E Project Justification: PB 2020 Army		Date: March 2019
Appropriation/Budget Activity 2040 / 2	**R-1 Program Element (Number/Name)** PE 0602213A / *C3I Applied Cyber*	**Project (Number/Name)** CY9 / *Decoy and Deterrence Technology*

C. Other Program Funding Summary ($ in Millions)

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

N/A