Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Defense Advanced Research Projects Agency

Appropriation/Budget Activity R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3: Advanced Technology Development (ATD)

PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS

Date: February 2018

COST (\$ in Millions)	Prior			FY 2019	FY 2019	FY 2019					Cost To	Total
COST (\$ III WIIIIONS)	Years	FY 2017	FY 2018	Base	oco	Total	FY 2020	FY 2021	FY 2022	FY 2023	Complete	Cost
Total Program Element	-	123.934	106.787	185.984	-	185.984	158.245	160.092	224.084	222.153	-	-
CCC-02: INFORMATION INTEGRATION SYSTEMS	-	62.677	55.928	106.316	-	106.316	89.675	108.092	188.584	214.153	-	-
CCC-06: COMMAND, CONTROL AND COMMUNICATION SYSTEMS	-	61.257	50.859	79.668	-	79.668	68.570	52.000	35.500	8.000	-	-

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

The Command, Control and Communications Systems program element is budgeted in the Advanced Technology Development Budget Activity because its purpose is to demonstrate and evaluate advanced information systems research and development concepts.

The success of military operations depends on timely, reliable, secure, and synchronized dissemination of command and control and relevant situational awareness information to every military echelon. While wired communications and networks are fairly well developed, providing assured high-bandwidth mobile wireless capabilities that match or exceed commercial wired infrastructure is needed to meet the demands of military users. The goal of the Information Integration Systems project is to develop and demonstrate technologies that will provide effective communications to U.S. forces. Approaches to this goal include developing technologies in these areas:

- High-Capacity Links technologies enables greater back-haul capability.
- Advanced Networking technologies supports resilience, adaptability, and scalability.
- Low Probability of Detection and Anti-Jam (LPD/AJ) technologies provides assured communications in very high-threat environments.
- Novel Radio Frequency and Spectral Sensing (RF/SS) supports efficient spectrum management in congested environments and detection of electromagnetic threats.

B. Program Change Summary (\$ in Millions)	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total
Previous President's Budget	155.081	106.787	137.904	-	137.904
Current President's Budget	123.934	106.787	185.984	-	185.984
Total Adjustments	-31.147	0.000	48.080	-	48.080
Congressional General Reductions	-9.375	0.000			
<ul> <li>Congressional Directed Reductions</li> </ul>	0.000	0.000			
<ul> <li>Congressional Rescissions</li> </ul>	0.000	0.000			
Congressional Adds	0.000	0.000			
Congressional Directed Transfers	0.000	0.000			
Reprogrammings	-8.905	0.000			
SBIR/STTR Transfer	-12.867	0.000			
TotalOtherAdjustments	-	-	48.080	-	48.080

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Defense Advance	Date: February 2018				
Appropriation/Budget Activity	R-1 Program Element (Number/Name)				
0400: Research, Development, Test & Evaluation, Defense-Wide I BA 3:	PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS				
Advanced Technology Development (ATD)					
Change Summary Explanation					
FY 2017: Decrease reflects Congressional reduction, reprogrammir	igs and the SBIR/STTR transfer.				

FY 2018: N/A

FY 2019: Increase reflects initiation of the Network Universal Persistence, Protected Forward Communications programs, and classified program expansion.

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense Advanced Research Projects Agency								Date: February 2018				
Appropriation/Budget Activity 0400 / 3				PE 0603760E I COMMAND, CONTROL CO				• •	Project (Number/Name) CCC-02 I INFORMATION INTEGRATION SYSTEMS			
COST (\$ in Millions)  Prior Years  FY 2019 Base				FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
CCC-02: INFORMATION INTEGRATION SYSTEMS	-	62.677	55.928	106.316	-	106.316	89.675	108.092	188.584	214.153	-	-

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

The success of military operations depends on timely, reliable, secure, and synchronized dissemination of command and control and relevant situational awareness information to every military echelon. While wired communications and networks are fairly well developed, providing assured high-bandwidth mobile wireless capabilities that match or exceed commercial wired infrastructure is needed to meet the demands of military users. The goal of the Information Integration Systems project is to develop and demonstrate technologies that will provide effective communications to U.S. forces. Approaches to this goal include developing technologies in these areas:

- High-Capacity Links technologies enables greater back-haul capability.
- Advanced Networking technologies supports resilience, adaptability, and scalability.
- Low Probability of Detection and Anti-Jam (LPD/AJ) technologies provides assured communications in very high-threat environments.
- Novel Radio Frequency and Spectral Sensing (RF/SS) supports efficient spectrum management in congested environments and detection of electromagnetic threats.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019
Title: Secure Handhelds on Assured Resilient networks at the tactical Edge (SHARE)	7.000	14.042	28.996
<b>Description:</b> The goal of the Secure Handhelds on Assured Resilient networks at the tactical Edge (SHARE) program is to develop innovative networking and information sharing approaches that enable U.S. and coalition forces to effectively and efficiently coordinate tactical operations by eliminating today's prohibitive cost and security barriers. Building upon the Spectrum Efficiency and Access program, which is budgeted in this PE/Project, and research into the use of commercial systems and infrastructure to support military operations, SHARE provides new opportunities for U.S. and coalition forces to gain and maintain a tactical advantage on the battlefield. Coordination includes providing all the information required to enable the command and control necessary to plan and execute operations in all phases of warfare. Technology from this program will be made available to the Services and DoD Agencies that work with coalition partners.			
<ul> <li>FY 2018 Plans:</li> <li>Perform laboratory experiments and evaluations of the network software for secure and resilient sharing.</li> <li>Develop software for commercial handheld devices to support sharing and fusion of information from various data sources at multiple security levels.</li> <li>Develop the architecture and software for automated configuration of multiple security levels across coalition networks.</li> <li>Develop software to enable integration of commercial large data systems with military infrastructure.</li> </ul>			

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense Ad	dvanced Research Projects Agency	Date: F	ebruary 2018	
Appropriation/Budget Activity 0400 / 3	PE 0603760E / COMMAND, CONTROL	Project (Number/N CCC-02 / INFORM SYSTEMS		GRATION
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019
- Develop technologies allowing future military networks to work w	rith badly degraded radio links.			
<ul> <li>FY 2019 Plans:</li> <li>Integrate and test multi-level, handheld software and new networmultiple security levels.</li> <li>Conduct controlled, limited field experimentation on handheld denetwork security.</li> <li>Develop and update as required, based on laboratory testing and ensuring compatibility with handheld and network approach.</li> <li>Conduct system security assessment and compliance with overall</li> </ul>	evices demonstrating multi-level secure information sharing and experimentation, automated network configuration software.			
FY 2018 to FY 2019 Increase/Decrease Statement: The FY 2019 increase reflects additional requirements to integrate	<del>-</del>			
Title: Dynamic Network Adaptation for Mission Optimization (DyNa	·	19.154	17.698	17.96
<b>Description:</b> Wireless networks have evolved into complex system data rates, power settings, inter-network gateways, and security as depending on the mission for which the network is deployed and the of these features are optimized off-line for specific scenarios and a no capability for the settings to adapt if the actual mission or environthe network. The problem is exacerbated in scenarios in which into of the network unpredictably and on short timescales. Furthermore interconnected on the same platform, and those existing networks Network Adaptation for Mission Optimization (DyNAMO) programs preventing information sharing across independent airborne networks and networks of networks for operation in dynamic and of within legacy and future military networks, interactions between ne support mission success. Technologies developed under this programs are provided in the programs of the programs o	essociations. The optimal settings for these features vary greate environment in which it is operating. Currently, the major resumptions and are pre-set before use in a mission. There on the original assumptions used to configure elligent adversaries can affect the topology and operation e, future operations will include multiple, different radios lack a common standard for interoperability. The Dynamic will develop software that addresses the incompatibilities orks and develop new approaches to configure and control contested environments. The program will address optimizate tworks, and availability of necessary network services to	atly ity is re		
FY 2018 Plans:  - Continue development and integrate initial instantiation of real-tire.  - Continue development and integration of mission-based network.  - Conduct hardware-in-the-loop test of integrated system with instand real-time optimization.	architecture control and information delivery mechanisms.	rol,		

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense A	dvanced Research Projects Agency		Date: F	ebruary 2018	3
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	Project (N CCC-02 / SYSTEMS	INFORM	lame) ATION INTE(	GRATION
B. Accomplishments/Planned Programs (\$ in Millions)		FY	2017	FY 2018	FY 2019
<ul> <li>Conduct system-level emulation test of advanced network infras mission-based control, and real-time optimization.</li> </ul>	tructure with final instantiation of inter-network coordinatio	n,			
FY 2019 Plans:  - Integrate final instantiation of inter-network coordination, mission hardware.  - Conduct ground test of integrated system.  - Conduct field test of integrated system with instantiations of inte optimization.	· · · ·				
FY 2018 to FY 2019 Increase/Decrease Statement: The FY 2019 increase reflects minor program repricing.					
Title: Spectrum Efficiency and Access			9.500	8.589	8.98
<b>Description:</b> The Federal Government is working to transition large primary contributor) to civilian use for broadband telecommunicated data/sensor capacity over the next decades and will therefore need objective of the Spectrum Efficiency and Access program is to investigation of sensor/radar bands. The program will leverage technic interference mitigation technologies that could enable spectrum stranged footprint. The approach will include exploring real-time could developing the advanced waveforms and components to enable proximity. The ultimate goal is to turn the DoD spectrum loss into from this program will be made available to the Navy, Army, and National Strange and Strang	ons. The DoD will need more highly integrated and netword new technology that requires less spectrum to operate, estigate improvements in spectral reuse, such as spectrum al trends in cooperative sharing to exploit radar anti-jam an arring by allowing overlay of communications within the say ontrol data links between radars and communications systematically and communication in close a net gain of up to hundreds of MHz in capacity. Technology	rked The n nd ime ems, e			
FY 2018 Plans:  - Develop advanced radio frequency (RF) waveform and associat  - Implement transition plans with identified Navy, Army, and MDA	<b>.</b>				
FY 2019 Plans:  - Demonstrate spectrum maneuver command and control concep  - Commence design of a system capable of dynamically controlling target tracking.		racy			
FY 2018 to FY 2019 Increase/Decrease Statement:					

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

	UNCLASSIFIED				
Exhibit R-2A, RDT&E Project Justification: PB 2019 Defe	ense Advanced Research Projects Agency		Date: F	ebruary 2018	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS			lame) ATION INTE	GRATION
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2017	FY 2018	FY 2019
The FY 2019 increase reflects minor program repricing.					
Title: 100 Gb/s RF Backbone			8.342	5.718	6.28
maritime platforms. The goal of this High-Capacity Links ted s) radio frequency (RF) backbone that will meet the anticipar of deployed military forces. DARPA's hybrid Free Space Op 10 Gb/s wireless network boundary using free-space optical much less than 1Gb/s capacity. Furthermore, the hybrid optic characteristics that preclude deployment on many SWaP-lim provide high capacity and all-weather resiliency, but present waveforms (beyond common data link), efficient power transpects to develop the constituent subsystems (waveform ger	ications that are deployable on a wide range of air, ground, and chnologies program is to demonstrate a 100 Gigabit-per-second ated mid-term (within 3-10 years) wireless networking requirement placed RF Communications Adjunct (ORCA) system has broken to a links, but all-weather Ku band components are currently limited tical/RF system exhibits size, weight, and power (SWaP) consumented platforms. Moving to a millimeter-wave (mmW) solution witts technical challenges that include the generation of higher-orders smission, high-speed routing, and low-noise receivers. This properties in the system of the current and Gb/s backbone at half the SWaP consumption of the current pended for transition to multiple Services.	nts he to mption II er gram			
Force Common Data Link project.					
<ul> <li>Conduct joint flight demonstrations with Services.</li> <li>Engage in targeted design activity for specific applications</li> </ul>	S.				
FY 2018 to FY 2019 Increase/Decrease Statement: The FY 2019 increase reflects initiation of activity in support	t of Service transition.				
Title: Geospatial Cloud Analytics (GCA)			-	8.722	19.99
	m will develop technology to access and analyze global scale, ce business model. Exploiting multiple sources and modalities a	at			

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense	e Advanced Research Projects Agency	Date: F	ebruary 2018	8
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	Project (Number/ CCC-02 / INFORM SYSTEMS		GRATION
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019
a global scale requires the development of technologies and sy computational power to preprocess data and make it exploitabl analytics as services including sharing of tools and results betw near real time monitoring of global events and change detection upon the Secure Handhelds on Assured Resilient networks at the program, also in this Program Element. By exploiting the vast a constellations and other sources, GCA will create the technological activities. It will do so by augmenting commercial capabilities of agility, and scalability. Technology from this program will transit global situational awareness.	le by analytical tools, and new models supporting sensing and veen individuals and consortiums. GCA creates a capability for n across various environments and warfighting domains, build the tactical Edge (SHARE) coalition warfighter information sha amounts of geospatial information from new commercial satell gy foundations needed to provide global awareness of gray-zo with defense assets, not vice versa, and thereby improve spee	or ing ring ite ine d,		
FY 2018 Plans: - Analyze and evaluate potential platforms and algorithms Design, prototype, and experiment with software infrastructur	re to use as a tool to exploit multiple sources and modalities.			
<ul> <li>FY 2019 Plans:</li> <li>Analyze computational architectures and frameworks for GC/IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</li></ul>	ort global scale analytics on relevant problem sets. act global events such as droughts, crop failures, and illegal fi	shing.		
FY 2018 to FY 2019 Increase/Decrease Statement: The FY 2019 increase reflects scale up and demonstration of the	he GCA infrastructure and analytics.			
Title: Network Universal Persistence (Network UP)		-	-	11.49
<b>Description:</b> Current radios send network control information a failure mode when that wireless link degrades. In many of toda create a loss of network connectivity that can take more than to During these network outages, data transmission is not possibl on Assured Resilient networks at the tactical Edge (SHARE) prodemonstrate radio technology that maintains network reliability in military operational environments. Isolation of critical control creation of a protected control channel that can maintain network UP program will develop technology and a prototype system the unstable wireless links. The program will develop approaches	ay's military wireless networks, even brief wireless link outages we minutes to recover once the wireless link is re-established. It is explored in the Secure Handhelds ogram, also in this PE, the Network UP program will develop a through periods of frequent signal degradation that routinely of channel information in a separate, robust wireless link will allow the reliability even when the data channel is lost. The Network at enables military wireless networks to send data over dynamics.	s and occur ow nic,		

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense	Advanced Research Projects Agency	Date: February 2018				
Appropriation/Budget Activity 0400 / 3	PE 0603760E / COMMAND, CONTROL CO		Project (Number/Name) CCC-02 I INFORMATION INTE SYSTEMS			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2017	FY 2018	FY 2019		
links and design and implement mechanisms to maintain synch under this program will transition to the Services.	ronization across those separate links. Technologies developed					
FY 2019 Plans: - Initiate design of a radio architecture and supporting technolo Initiate design of network architectures and technologies that data links.		nd				
FY 2018 to FY 2019 Increase/Decrease Statement: The FY 2019 increase reflects program initiation.						
Title: Protected Forward Communications (PFC)		-	_	12.59		
<b>Description:</b> The collaborative application of combat power in ginformation and precise coordination of actions across various econversations: (1) to coordinate the actions of a local group, (2) rear echelon command. The communication links over which the geolocation operations conducted with increasingly sophisticated. This problem is compounded by demands for ever-increasing conference (PFC) program will build on technical advances in resilient, efficient communication system to protect all three conversations from jain the Secure Handhelds on Assured Resilient networks at the the PFC is generally applicable to small unit operations and is particle executed by the Joint Terminal Attack Controller (JTAC) or Fore Services.	echelons. These operations take place over three critical to coordinate group and airborne assets, and (3) to interact with these three conversations take place are at risk from jamming an ed exploitation and denial technology employed by our adversaring apacity of these links. The Protected Forward Communications stient, and aware communications technology to design a single samming and geolocation. PFC builds on technology developed factical Edge (SHARE) program, also in this Program Element. Coularly relevant to the close air support (CAS) function typically	d es.				
FY 2019 Plans:  - Initiate PFC conceptual development.  - Start algorithm design for implementation and control of all the Begin concept validation through modeling and simulation.  - Establish readiness of constituent link technologies for all three Conduct simulation and modeling of systems in representative jamming.		d				
FY 2018 to FY 2019 Increase/Decrease Statement:						

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense A	dvanced Research Projects Agency		Date: F	ebruary 2018	
Appropriation/Budget Activity 0400 / 3	R-1 Program Element (Number/Name) PE 0603760E I COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS	Project (I CCC-02 / SYSTEM	INFORM	lame) ATION INTEC	GRATION
B. Accomplishments/Planned Programs (\$ in Millions)		F'	Y 2017	FY 2018	FY 2019
The FY 2019 increase reflects program initiation.  Title: Communication in Contested Environments (C2E)			8.463	1.159	
<b>Description:</b> The Communication in Contested Environments (C2 anticipated in networked airborne systems in the mid-21st century and internetworked weapons systems will strain the size of networking in the contested environment. As adversary capabilities advance, accommodate better networking and improved communications can capacity, lower latency, greater jamming resistance, and reduced efforts, the C2E program addresses these needs with a three-pror capabilities and advanced communication technology for airborne low latency, and high capacity communication protocols will be demaintained reference architecture for communications systems the defense contractor community can build specific communications will create a government controlled development environment to a party native application and waveform developers to contribute the program are planned to transition to the Services.	rks that our current communications technology can support the DoD will need new techniques to quickly and efficient apabilities, specifically communications systems with higher detectability. As part of Advanced Networking technologies approach: first, to develop heterogeneous networking systems. Low Probability of Detection (LPD), Anti-Jam (Aveloped. Second, to create a government controlled and at draws from commercial communication architectures. Systems based upon this reference architecture. Finally, fallow rapid refresh of communications technology and allow	, ly er es 3 AJ), The C2E w third			
FY 2018 Plans:  - Complete integration and testing of the Ruggedized Flight Syste  - Demonstrate airborne tactical network waveform interoperability  FY 2018 to FY 2019 Increase/Decrease Statement:  The FY 2019 decrease reflects program completion.					
Title: Advanced RF Mapping			7.218	-	_
<b>Description:</b> One of the key advantages on the battlefield is the a environment, enabling reliable and assured communications, as we communications in ways that defy their situational awareness, und based, with the signal processing techniques focused on array and environment becomes more complex and cluttered, the number of inhibits our capability to pervasively sense and manipulate at the paction. To address these Radio Frequency and Spectral Sensing developed and demonstrated new concepts for sensing and manipulated collection. This approach took advantage of the prolifer	well as effectively mapping and manipulating the adversary derstanding, or response. Current approaches are emitter d time-based processing for each emitter. As the RF f collection assets and the required level of signal process precision (time, frequency, and space) required for effective (RF/SS) challenges, the Advanced RF Mapping program pulating the RF environment based on distributed rather the	's ´ - ing e			

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense Advanced Res	earch Projects Agency		Date: February 2018
0400 / 3		- 3 (	umber/Name) NFORMATION INTEGRATION

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019
battlefield. To leverage these existing devices effectively, the program developed new algorithms that map the RF environment with minimal communication load between devices. The Advanced RF Mapping program also developed approaches to exploit our precise knowledge of the RF environment and the distributed proximity of RF devices to provide reliable and assured communications for our warfighter as well as to infiltrate or negate our adversaries' communications networks. The Advanced RF Mapping program enabled both offensive and defensive operations in complex RF environments. Advanced RF Mapping technology transitioned to the Services.			
Title: Wireless Network Defense	3.000	-	-
<b>Description:</b> A highly networked and enabled force increases efficiency, effectiveness, and safety by making relevant information available when it is needed and at the appropriate location (person/platform/system). Accomplishing this depends on providing reliable wireless communications to all U.S. forces, platforms, and devices in all phases of conflict. As part of the Advanced Networks technologies effort, the Wireless Network Defense program increased wireless network capacity and reliability for tactical users, with the ultimate vision of making high quality data services pervasive throughout the DoD. The primary focus was mitigation of advanced threats particular to the security of wireless networks. The program leveraged the capabilities of the dynamic network to identify sources of misinformation, whether malicious or due to poor configuration, across the functional components of the complex system, and mitigated the corresponding effects. Technologies developed under this program transitioned to the Services.			
Accomplishments/Planned Programs Subtotals	62.677	55.928	106.316

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

N/A

Remarks

### D. Acquisition Strategy

N/A

### E. Performance Metrics

Specific programmatic performance metrics are listed above in the program accomplishments and plans section.

PE 0603760E: COMMAND, CONTROL AND COMMUNICATIONS SYST...

Exhibit R-2A, RDT&E Project Justification: PB 2019 Defense Advanced Research Projects Agency						Date: February 2018						
0400 / 3				PE 0603760E / COMMAND, CONTROL				Project (Number/Name) CCC-06 / COMMAND, CONTROL AND COMMUNICATION SYSTEMS				
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
CCC-06: COMMAND, CONTROL AND COMMUNICATION SYSTEMS	-	61.257	50.859	79.668	-	79.668	68.570	52.000	35.500	8.000	-	-

### A. Mission Description and Budget Item Justification

This project funds classified DARPA programs that are reported in accordance with Title 10, United States Code, Section 119(a)(1) in the Special Access Program Annual Report to Congress.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2017	FY 2018	FY 2019
Title: Classified DARPA Program	61.257	50.859	79.668
Description: This project funds Classified DARPA Programs. Details of this submission are classified.			
FY 2018 Plans: Details will be provided under separate cover.			
FY 2019 Plans: Details will be provided under separate cover.			
FY 2018 to FY 2019 Increase/Decrease Statement: Details will be provided under separate cover.			
Accomplishments/Planned Programs Subtotals	61.257	50.859	79.668

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

N/A

Remarks

### D. Acquisition Strategy

N/A

#### E. Performance Metrics

Details will be provided under separate cover.

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