Exhibit R-2, RDT&E Budget Item Justification: FY 2018 Office of the Secretary Of Defense

Appropriation/Budget Activity

R-1 Program Element (Number/Name)

0400: Research, Development, Test & Evaluation, Defense-Wide I BA 6:

PE 0605170D8Z I Support to Networks and Information Integration

Date: May 2017

RDT&E Management Support

3 ,,	9 11											
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	46.767	5.113	7.246	12.583	-	12.583	13.856	14.764	14.822	14.951	Continuing	Continuing
002: Defense Architecture Support	3.899	0.874	0.896	0.911	-	0.911	0.958	0.968	0.986	1.008	Continuing	Continuing
003: Integrated Planning and Management	29.079	1.454	3.492	4.017	-	4.017	5.094	5.110	5.141	5.178	Continuing	Continuing
004: PNT Navigation	13.789	2.785	2.858	2.905	-	2.905	3.054	3.086	3.145	3.215	Continuing	Continuing
005: MARMS	0.000	0.000	0.000	4.750	-	4.750	4.750	5.600	5.550	5.550	Continuing	Continuing

A. Mission Description and Budget Item Justification

This program element supports studies and analysis in the areas of networks, information integration, defense-wide command and control (C2), and communications. This program is funded under Budget Activity 6, RDT&E Management Support because it includes studies and analysis in support of RDT&E efforts.

B. Program Change Summary (\$ in Millions)	FY 2016	FY 2017	FY 2018 Base	FY 2018 OCO	FY 2018 Total
Previous President's Budget	5.279	7.246	8.163	-	8.163
Current President's Budget	5.113	7.246	12.583	-	12.583
Total Adjustments	-0.166	0.000	4.420	-	4.420
 Congressional General Reductions 	-	-			
 Congressional Directed Reductions 	-	-			
 Congressional Rescissions 	-	-			
Congressional Adds	-	-			
 Congressional Directed Transfers 	-	-			
Reprogrammings	-	-			
SBIR/STTR Transfer	-0.166	-			
SRRB Efficiency	-	-	-0.290	-	-0.290
Program Adjustment	-	-	-0.040	-	-0.040
 Funding for MARMS 	-	-	4.750	-	4.750

Change Summary Explanation

FY 2016: SBIR Adjustment -0.144 million, STTR Adjustment -0.022 million.

FY 2018: SRRB efficiency -0.290 million, Program Adjustment -0.040 million. "Service Requirement Review Board - As part of the Department of Defense reform agenda, the incremental reduction accounts for consolidation and reduction of service contracts"

FY 2018 increase of 4.750 for the MARMS program.

Exhibit R-2A, RDT&E Project Ju	xhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense									Date: May 2017		
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605170D8Z I Support to Networks and Information Integration Project (Number/Name) 002 I Defense Architecture Summer S				,	rt						
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
002: Defense Architecture Support	3.899	0.874	0.896	0.911	-	0.911	0.958	0.968	0.986	1.008	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Defense Architecture Support includes development, analysis, testing and evaluation of DoD IT Enterprise Reference and solution architecture products in support of the DoD's Joint Information Environment and the closely related Mission Partner Environment. This work also includes improvements to processes that support registration and storage of the Department's enterprise architecture (formerly called DARS). The Department maintains a catalog of architecture data holdings and provides users the ability to store, search, retrieve, and use DoD architecture data through capabilities provided by the architecture portal. The portal is a central, federated hub for discovery, accessibility, understandability, and reusability of architectures. With the ability to import different architecture tool data and display disparate architecture data in a uniform, consistent method for ease of use and understanding. The portal provides a federated environment for sharing of architectures, mission threads, and other related capability integrated information between various authoritative repositories to increase effectiveness and efficiency of decision-making in a dynamic environment by our customers. Implementations are accessible on both the NIPRNET (unclassified) and SIPRNET (Collateral Classified). Key features of the Defense Architecture Support program focus on: (1) Research and Development of JIE and MPE architectures, (2) Making JIE and MPE architecture data visible, accessible, trusted, understandable, and interoperable (2) enabling reuse of validated architecture data to build "composite" integrated architecture; (3) enabling architecture analysis; and, (4) integrating architecture data into the DoD mainstream decision-making processes. The Department of the Air Force, Army, and Navy CIO's collaborate in the development of federation web services via the Enterprise Architecture and Engineering Panel under the oversight of the DoD CIOs Enterprise Architecture and Service Board to ensure DoD-wide access to and usability

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Defense Architecture Support	0.874	0.896	0.911
FY 2016 Accomplishments: Continue IT Enterprise and solution architecture development, analysis, and registration processes.			
FY 2017 Plans: Continue IT Enterprise and solution architecture development, analysis, and registration processes.			
FY 2018 Plans: Continue IT Enterprise and solution architecture development, analysis, and registration processes.			
Accomplishments/Planned Programs Subtotals	0.874	0.896	0.911

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense Date: M							
, · · · · · · · · · · · · · · · · · · ·	R-1 Program Element (Number/Name) PE 0605170D8Z I Support to Networks and Information Integration	, ,	lumber/Name) ense Architecture Support				
C. Other Program Funding Summary (\$ in Millions)							

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

DARS Performance Metrics:

- Timely development and issuance of policy, guidance, processes, and technologies to build, populate, govern, operate, and protect the Network.
- Policies developed and issued for GIG design, architecture content management, implementation, and operations.

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense								Date: May 2017				
Appropriation/Budget Activity 0400 / 6					PE 060517	am Elemen 70D8Z / Sup n Integration	port to Net	•		roject (Number/Name) 33 I Integrated Planning and Manageme		
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
003: Integrated Planning and Management	29.079	1.454	3.492	4.017	-	4.017	5.094	5.110	5.141	5.178	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

B Accomplishments/Planned Programs (\$ in Millions)

The Integrated Planning and Management Project encompasses the National Leadership Command Capability (NLCC) Management Office's (NMO) responsibilities for establishing overall DoD policy and oversight with respect to the capability development, interoperability, standards, and architecture for National and Nuclear Command Capabilities for our National Leadership. The NMO serves as the single point of contact within the Department for policy, long-range plans, programs and budget, integrated mission advocacy, and management of decision-maker capabilities. NMO's objective is to ensure capabilities are in place to provide complete and timely situational awareness and decision tools for senior decision-makers. Additionally, the NMO assists the DoD CIO as the Executive Agent and primary OSD advocate for the White House Military Office with oversight of a wide range of DoD command, control, and communications (C3) assets and oversees the efforts of the Services and Agencies in the design, integration, and deployment of critical and sensitive C3 capabilities. Three overall areas of focus include: 1) National Senior Leader C3 Systems, National Security/Emergency Preparedness (NS/EP), DoD support to Civil Authorities; Continuity of Government (COG); 2) Nuclear C2, Integrated Missile Defense, Tactical Warning, Global Strike; and 3) Cyber Mission Indications and Warnings.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: Integrated Planning and Management	1.454	3.492	4.017
FY 2016 Accomplishments: Continued to enhance architecture products, conducted testing analysis and systems engineering to enable national security systems and applications are validated to provide assured communications in support of senior leadership. - Continued the efforts for fielding robust, modernized and secure, mobile (smart phone and tablet) devices and services for senior leadership, for use world-wide. Plans for each FY are fully identified in the Senior Leader Secure Communications Modernization Implementation Plan (SLSCM IP). - Continued to enhance the scope of quantitative voice quality testing and associated analysis and validation activities. Each year multiple test events are planned, executed and associated analysis is conducted. - Continued risk reduction and engineering efforts within a flexible and dynamic test bed environment for senior leader solutions and infrastructure advancement validation. Efforts include a wide range of modern communications leveraging the Commercial Solutions for Classified (CSfC) approach pioneered by NSA: secure mobile phones, secure tablets, travel kits, vehicular communications, and development of common network access mechanisms. Efforts were closely worked with the broader stakeholder community and leverages efforts/funding by the broader community National Security and Emergency Preparedness (NS/EP) community (includes support to the EO 13618).	1.404	0.402	4.011
FY 2017 Plans:			

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of	the Secretary Of Defense	Date: N	/lay 2017			
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605170D8Z I Support to Networks and Information Integration	Project (Number/ 003 / Integrated Pi	Name) lanning and Management			
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018		
\$2.000 million - NC3 Modeling and Simulation and Analysis - Th of systems" approach. The current NC3 model focuses on commevent. This funding will focus on expanding the current NC3 mogoal is to provide insight on operational impact of changes/degral architecture, and investments Provide direction and support to the Defense Information System (DISA/JSEIO) in developing campaign-level modeling and simulation for Architecture Management System (NC3-N ExAMS) and NC3 Interesting in the system (NC3-N ExAMS) and NC3-N ExAMS (NC3-N ExAMS) and NC3-N ExAMS (NC3-N ExAMS) and NC3-N ExAMS (NC3-N ExAMS)	munications after a high altitude electromagnetic pulse (HEM ideling to additional survivable communications systems. The adation of single or multiple systems - supports planning, sems Agency / Joint Systems Engineering and Integration Officiation tools for NC3. The tools will expand on the Joint Opera Strategic Communications (MASSC), NC3-N Executable	P) e ce				
\$1.492 million: Continue to enhance architecture products, conduct testing a systems and applications are validated to provide assured community and leverages efforts/funding by the broadcommunity (includes support to the EO13618).	nunications in support of senior leadership. In mobile (smart phone and tablet) devices and services for seculti-Level Security (MLS) Multiple Independent Levels of Secultine SLSCM IP. In along with voice associated analysis and validation activities intext of the NS/EP as directed under EO 13618. Each year visic is conducted. In and dynamic test bed environment for senior leader solution le range of modern communications leveraging the Commercure mobile phones, secure tablets, travel kits, vehicular mechanisms. Efforts are closely worked with the broader	enior urity es. ns cial				
FY 2018 Plans: - \$2.500 million – Continue NC3 Modeling and Simulation and A JSEIO in developing campaign-level modeling and simulation to continue to increase the capabilities of MASSC (conferencing capassociated with a Navy communications system) and NISM (pro	ols for NC3. The research and development of the tools will apabilities), NC3-N ExAMS (analysis of nodes, metrics and as	ssets				
\$1.517 million – Update and maintain the NLCC Capabilities Roa Enterprise Architectures for the NLCC as well as a high-level 20						

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Off	hibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense					
0400 / 6	R-1 Program Element (Number/Name) PE 0605170D8Z I Support to Networks and Information Integration	, ,	umber/Name) rated Planning and Management			

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Guiding Principles and Major Thrust Areas that will help decompose the Objective Architecture into technology areas that can be addressed by the Reference Architecture. Review existing program and service-level architectures for consistency with the overall Enterprise Architecture and drive the revamped NLCC Roadmap and Investment Strategy to move forward.			
 Perform financial database analysis and use the RDOCs and PDOCs to create a new structure for the NLCC Investment Strategy. 			
Build automatic extraction tools for the RDOCs and PDOCs. Develop program lists using programmatic data in Excel. Develop a			
XML Parser to move data to into a single database to work on Schedule Views (GANTT) and move to roadmap format, starting as a manual process, leading to an automated process.			
Accomplishments/Planned Programs Subtotals	1.454	3.492	4.017

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Continue development of the required infrastructure to support Senior Leader Secure Mobile Communications. (measure of systems upgraded/enhanced)

- Continue development of the Overarching NLCC Initial Capabilities Document JROCM taskings. Includes both the development of measures to inform subordinate JCIDS documents as well as a roadmap and investment strategy for the sustainment and modernization of the NLCC.
- Continue policy development (DoDI) for the management of DoD Nuclear Command, Control, and Communications

Exhibit R-2A, RDT&E Project Ju	Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense									Date: May	Date: May 2017		
Appropriation/Budget Activity 0400 / 6					, ,				Project (Number/Name) 004 <i>I PNT Navigation</i>				
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	
004: PNT Navigation	13.789	2.785	2.858	2.905	-	2.905	3.054	3.086	3.145	3.215	Continuing	Continuing	
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-			

A. Mission Description and Budget Item Justification

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

Funding supports Global Positioning System (GPS) User Equipment Synchronization with GPS space and operational control segments to conduct DoD CIO oversight of Global Positioning System (GPS) management and planning activities required for meeting JCIDs requirements. Funding supports policy and guidance for incorporation of alternative means of PNT delivery to augment GPS. Funding also supports the DoD's inputs into interagency activities under the National Space-Based Positioning, Navigation, and Timing Executive Committee.

<u></u>	20.0	20.7	1 1 2010
Title: PNT Navigation	2.785	2.858	2.905
FY 2016 Accomplishments:			
Global Positioning System (GPS) User Equipment Synchronization with GPS space and control segments to conduct DoD CIO			
oversight of Global Positioning System (GPS) management and planning activities required for meeting JCIDs requirements and			
supporting the National Space-Based Positioning, Navigation and Timing Executive Committee. Funding supported:			
- Managed the International Supplement to GPS Security Policy as all source PNT DoDM.			
- Managed the Information Assurance/COMSEC Supplement to GPS Security Policy as all source PNT DoDM.			
- Managed the GPS Security Policy as all source DoDM. Continued implementation of the GPS Protection Profile matrix from Nevigation Workers Concept of Operations in conjugation			
- Continued implementation of the GPS Protection Profile matrix from Navigation Warfare Concept of Operations in conjunction with			
Warfighting Operations Plans (OPLANS) and Contingency Plans (CONPLANS) in coordination with US STRATCOM.			
- Managed PNT Navigation Warfare Instruction and Annexes to all the Operations Plans (OPLANS) and Contingency Plans			
(CONPLANS) in coordination with US STRATCOM.			
- Managed NextGen interfaces with the GPS Wing, Joint Program Development Office (JPDO), and Air Force. Continued			
implementation of Red Key Sundown Policy.			
- Provided staff support, performed research and conducted studies as directed by DEPSECDEF in his role as co-chair of the			
National Executive Committee for Space-Based PNT and for DoD CIO in his role as co-chair of the Executive Steering Group.			
- Performed annual update of National Five-year Plan for Space-Based Positioning, Navigation and Timing (PNT).			
- Completed drafting and coordination of FY16 FRP.			
- Applied Navigation Warfare Concept of Operations via the Joint Navigation Warfare Center (JNWC) and US STRATCOM to			
develop Doctrine, Tactics, Techniques and Procedures, Training, Equipment Validation and Material Solutions to Navigation			

FY 2016

FY 2017 FY 2018

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of	of the Secretary Of Defense	Date: N	/lay 2017		
Appropriation/Budget Activity 0400 / 6	Project (Number/Name) 004 I PNT Navigation				
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2016	FY 2017	FY 2018	
PNT delivery; biennial operational assessments to reveal gaps maintenance of PNT equipment inventories, refreshed biennia	y using the NetCentric Operations CPM portfolio to insure PNT JCIDs, DAS, and PPBE. and receiver certification, and DoDM for security policy. Inclusion in the force structure for force protection via PING. Inity (IC) to assess threat vectors to GPS and other means of in PNT delivery against OPLANS and CONPLANS of COCOI Illy. Inplementation of the PNT Strategy within the Department. Interpretation of development and fielding of advanced GPS receivers in equipage; expanded to include antennae and antennae electronoment. In the to Services. In the NetCentric Operations CPM portfolio to insure PNT Strategy within the Department. In the NetCentric Operations of COCOI in the NetCentric Operation of Cocoi	MS; in the inics;			
FY 2017 Plans: Global Positioning System (GPS) User Equipment Synchronization oversight of Global Positioning System (GPS) management and supporting the National Space-Based Positioning, Navigation and - Manage the International Supplement to GPS Security Policy - Manage the Information Assurance/COMSEC Supplement to - Manage the GPS Security Policy as all sources DoDM. - Continue implementation of the GPS Protection Profile matrix with Warfighting Operations Plans (OPLANS) and Contingency Plater - Manage PNT Navigation Warfare Instruction and Annexes to (CONPLANS) in coordination with US STRATCOM. - Manage NextGen interfaces with the GPS Wing, Joint Programmelementation of Red Key Sundown Policy.	and planning activities required for meeting JCIDs requirements and Timing Executive Committee. Funding will support: y as all sources PNT DoDM. o GPS Security Policy as all sources PNT DoDM. of from Navigation Warfare Concept of Operations in conjunctions (CONPLANS) in coordination with US STRATCOM. all the Operations Plans (OPLANS) and Contingency Plans	and			

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of th	e Secretary Of Defense		Date: N	/lay 2017		
Appropriation/Budget Activity 0400 / 6		roject (Number/Name) 04				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018	
 Provide staff support, perform research and conduct studies as of Executive Committee for Space-Based PNT and for DoD CIO in himperform annual update of National Five-year Plan for Space-Base - Apply Navigation Warfare Concept of Operations via the Joint Natiovelop Doctrine, Tactics, Techniques and Procedures, Training, Warfare challenges to the Military Services and Combatant Common OPLANS. Manage and implement the DoD PNT investment strategy using solutions are developed in a synchronized fashion in JCIDs, DAS, Implement additional Instructions (DoDIs) for public affairs and remained inventory of DoD GPS receivers. Analyze and promote alternative PNT delivery means for inclusional includes biennial tasking to Intelligence Community PNT delivery; biennial operational assessments to reveal gaps in Implement of PNT equipment inventories, refreshed biennially. Develop Directives, Instructions, and Manuals for implement Continue special task directed by DCIO to address acceleration of Joint Force. Maintain and update inventory of existing GPS receiver equipage to include delivery of PNT via other-than-GPS equipment. Address prioritized platforms in fielding plans and guidance to Settle Develop MGUE "Roadmap" illustrating necessary fielding Administer PNT Council within DoD via Charter, supporting DoDi Council task disposition. 	is role as co-chair of the Executive Steering Group. Seed Positioning, Navigation and Timing (PNT). Savigation Warfare Center (JNWC) and US STRATCOM to Equipment Validation and Material Solutions to Navigation handers in the scenarios defined in the CONPLANS and the NetCentric Operations CPM portfolio to insure PNT may and PPBE. Seceiver certification, and DoDM for security policy. On in the force structure for force protection via PING. (IC) to assess threat vectors to GPS and other means of PNT delivery against OPLANS and CONPLANS of COCOMENTATION of the PNT Strategy within the Department. Of development and fielding of advanced GPS receivers in the expand to include antennae and antennae electronics; expand to include antennae and antennae electronics; expervices.	nterial MS; the xpand				
FY 2018 Plans: Global Positioning System (GPS) User Equipment Synchronization oversight of Global Positioning System (GPS) management and posupporting the National Space-Based Positioning, Navigation and - Manage the International Supplement to GPS Security Policy as - Manage the Information Assurance/COMSEC Supplement to GP - Manage the GPS Security Policy as all sources DoDM Continue implementation of the GPS Protection Profile matrix frow with	lanning activities required for meeting JCIDs requirements Timing Executive Committee. Funding will support: all sources PNT DoDM. PS Security Policy as all sources PNT DoDM.	and				

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office	Date: M	ay 2017				
Appropriation/Budget Activity 0400 / 6	R-1 Program Element (Number/Name) PE 0605170D8Z I Support to Networks and Information Integration	Project (Number/Name) 004 / PNT Navigation				
B. Accomplishments/Planned Programs (\$ in Millions)			FY 2016	FY 2017	FY 2018	
Executive Committee for Space-Based PNT and for DoD CIO - Perform annual update of National Five-year Plan for Space - Apply Navigation Warfare Concept of Operations via the Joi develop Doctrine, Tactics, Techniques and Procedures, Train Warfare challenges to the Military Services and Combatant C OPLANS Manage and implement the DoD PNT investment strategy u solutions are developed in a synchronized fashion in JCIDs, I - Implement additional Instructions (DoDIs) for public affairs a - Manage inventory of DoD GPS receivers Analyze and promote alternative PNT delivery means for inc - PING includes biennial tasking to Intelligence Commit PNT delivery; biennial operational assessments to reveal gap maintenance of PNT equipment inventories, refreshed biennia - Develop Directives, Instructions, and Manuals for imp - Continue special task directed by DCIO to address accelera Joint Force Maintain and update inventory of existing GPS receiver equit to include delivery of PNT via other-than-GPS equipment Address prioritized platforms in fielding plans and guidance - Develop MGUE "Roadmap" illustrating necessary fiel	and Development Office (JPDO), and Air Force. Continue as directed by DEPSECDEF in his role as co-chair of the Nation in his role as co-chair of the Executive Steering GroupBased Positioning, Navigation and Timing (PNT). In Navigation Warfare Center (JNWC) and US STRATCOM to ing, Equipment Validation and Material Solutions to Navigation ommanders in the scenarios defined in the CONPLANS and sing the NetCentric Operations CPM portfolio to insure PNT mad DAS, and PPBE. Ind receiver certification, and DoDM for security policy. Solution in the force structure for force protection via PING. Jounity (IC) to assess threat vectors to GPS and other means of in PNT delivery against OPLANS and CONPLANS of COCOMICIANS. Jolementation of the PNT Strategy within the Department. Jolementation of development and fielding of advanced GPS receivers in its page; expand to include antennae and antennae electronics; extra Services.	MS; the xpand				
	Accomplishments/Planned Programs Sub	totals	2.785	2.858	2.90	

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary	Date: May 2017			
Appropriation/Budget Activity	, ,		lumber/Name)	
0400 / 6	PE 0605170D8Z I Support to Networks and	004 <i>I PNT</i>	Navigation	
	Information Integration			

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Implement and successfully manage PNT Navigation Warfare Instructions and Manuals subordinate to DoDD 4650.05 and Annexes to applicable Operations Plans (OPLANS) and Contingency Plans (CONPLANS) in coordination with the appropriate Unified Combatant Command

- Implement the recommendations of the Analysis of Alternatives for the CIO and DCIO C4IIC Global Positioning System (GPS) portfolio of Position, Navigation, and Timing (PNT) programs and activities
- Provide staff support, perform research and conduct studies as directed by the CIO and DCIO C4IIC relating to the Global Positioning System (GPS) portfolio of Position, Navigation, and Timing (PNT) programs and activities

Exhibit R-2A, RDT&E Project Justification: FY 2018 Office of the Secretary Of Defense							Date: May 2017					
Appropriation/Budget Activity 0400 / 6			, ,			Project (Number/Name) 005 / MARMS						
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
005: MARMS	0.000	0.000	0.000	4.750	-	4.750	4.750	5.600	5.550	5.550	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

Mission Assurance Risk Management System will fix critical shortfalls in the Department of Defense's ability to synchronize and integrate Mission Assurance programs and provide enterprise-level visibility to enable risk-informed decision making and assist in prioritizing limited resources to mitigate vulnerabilities.

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2016	FY 2017	FY 2018
Title: MARMS	-	-	4.750
FY 2018 Plans: Fix critical shortfalls in the Department of Defense's ability to synchronize and integrate Mission Assurance programs and provide enterprise-level visibility to enable risk-informed decision making and assist in prioritizing limited resources to mitigate vulnerabilities.			
Accomplishments/Planned Programs Subtotals	-	-	4.750

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

N/A

Remarks

D. Acquisition Strategy

N/A

E. Performance Metrics

Not Applicable.