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Exhibit R-2, RDT&E Budget Item Justification: PB 2016 Defense Information Systems Agency	Date: February 2015
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Appropriation/Budget Activity					R-1 Program Element (Number/Name)							
0400: <i>Research, Development, Test & Evaluation, Defense-Wide I BA 7: Operational Systems Development</i>					PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>							
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
Total Program Element	113.028	14.782	12.671	13.735	-	13.735	13.915	14.296	14.610	14.724	Continuing	Continuing
T64: <i>Special Projects</i>	55.178	5.559	5.148	5.170	-	5.170	5.247	5.240	5.352	5.352	Continuing	Continuing
T70: <i>Strategic C3 Support</i>	57.850	9.223	7.523	8.565	-	8.565	8.668	9.056	9.258	9.372	Continuing	Continuing

A. Mission Description and Budget Item Justification

Minimum Essential Emergency Communications Network (MEECN) provides the Nuclear Command, Control, and Communications (NC3) engineer with plans and procedures; systems analysis; operational assessments; systems engineering; and development of concepts of operation and architectures. The NC3 System provides connectivity from the President and the Secretary of Defense through the National Military Command System to nuclear execution forces integral to fighting a "homeland-to-homeland," as well as theater nuclear war. MEECN includes the Emergency Action Message dissemination systems and those systems used for integrated Tactical Warning/Attack Assessment, presidential decision-making conferencing, force report back, re-targeting, force management, and requests for permission to use nuclear weapons. Efforts assure positive control of nuclear forces and connectivity between the Secretary of Defense, military forces, and an informed decision-making linkage between the President, the Secretary of Defense, and the Combatant Commands. MEECN ensures our national leadership has proper command and control of our forces during times of national emergency, up to and including nuclear war.

B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	13.144	12.671	13.323	-	13.323
Current President's Budget	14.782	12.671	13.735	-	13.735
Total Adjustments	1.638	-	0.412	-	0.412
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	1.638	-	0.412	-	0.412

Change Summary Explanation

The FY 2014 increase of +\$1.638 was the result of the completion of additional system assessments and development of overarching National Leadership Command Capabilities (NLCC) architecture to support future NLCC modernization.

The FY 2016 increase of +\$0.412 enables limited development of technical solutions that improve NLCC performance to meet evolving senior leader priorities aligned to changing world events.

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Information Systems Agency										Date: February 2015		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) T64 / <i>Special Projects</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
T64: <i>Special Projects</i>	55.178	5.559	5.148	5.170	-	5.170	5.247	5.240	5.352	5.352	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		
A. Mission Description and Budget Item Justification The mission is performing classified work. All aspects of this project are classified and require special access. Detailed information on this project is not contained in this document.												
B. Accomplishments/Planned Programs (\$ in Millions)									FY 2014	FY 2015	FY 2016	
Title: Special Projects									5.559	5.148	5.170	
FY 2014 Accomplishments: Classified.												
FY 2015 Plans: Classified.												
FY 2016 Plans: Classified.												
Accomplishments/Planned Programs Subtotals									5.559	5.148	5.170	
C. Other Program Funding Summary (\$ in Millions) N/A Remarks D. Acquisition Strategy Classified. E. Performance Metrics Classified.												

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Defense Information Systems Agency												Date: February 2015		
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) T64 / <i>Special Projects</i>				

Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Systems Engineering & Integration	C/CPFF	Verizon : Arlington, VA	55.178	5.559	Dec 2013	5.148	Dec 2014	5.170	Dec 2015	-		5.170	Continuing	Continuing	Continuing
Subtotal			55.178	5.559		5.148		5.170		-		5.170	-	-	-

	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	55.178	5.559	5.148	5.170	-	5.170	-	-	-

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Defense Information Systems Agency			Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) T64 / Special Projects	

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Classified																												
Classified																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Defense Information Systems Agency			Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) T64 / <i>Special Projects</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
Classified				
Classified	1	2014	4	2020

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Information Systems Agency										Date: February 2015		
Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>				Project (Number/Name) T70 / <i>Strategic C3 Support</i>			
COST (\$ in Millions)	Prior Years	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total	FY 2017	FY 2018	FY 2019	FY 2020	Cost To Complete	Total Cost
T70: <i>Strategic C3 Support</i>	57.850	9.223	7.523	8.565	-	8.565	8.668	9.056	9.258	9.372	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

This project supports the mission of the Nuclear Command, Control, and Communications (NC3) Systems Engineer to the Joint Staff and Executive Leadership. It also provides NC3 expertise to the Department of Defense (DoD) Chief Information Officer (CIO) National Leadership Command Capability (NLCC) Management Office. Systems Analysis supports long range planning and vulnerability assessments to ensure the NC3 System is adequate under all conditions of stress or war and recommends investment strategies to evolve the Nuclear Command and Control System to achieve desired capabilities. Operational Assessments of fielded systems and weapon platforms provides the sole means for verification of NC3 systems' performance in support of plans and procedures, operation orders, training, equipment, and end-to-end system configuration. Assessments provide strategic and theater level C3 interfaces into the NC3 System. Supporting efforts assure positive control of nuclear forces and connectivity between the Secretary of Defense and strategic and theater forces. Systems Engineering provides the Senior Leadership C3 System with technical and management advice, planning and engineering support, and Test & Evaluation. Leading Edge Command, Control, Communications, Computers, and Intelligence technology is assessed for all communication platforms supporting executive travelers and senior leaders to include the interoperability of hardware and operational procedures. These technology elements support the President's and other DoD command centers and aircraft (e.g., Air Force One and the National Airborne Operations Center).

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

Title: Systems Analysis	FY 2014	FY 2015	FY 2016
FY 2014 Accomplishments: Continued to update and automate the Program Tracking Report, NC3 Architecture Diagrams and NC3 Scenarios document such that they are available to end users in real time. Supported additional engineering, and assessments of NC3 capabilities and vulnerabilities; further expanded the NC3 future architecture technical models; enhanced the NC3 roadmap; and continued engineering of communication and technology improvements for the NC3 systems.	4.690	2.370	-
FY 2015 Plans: Will continue updates for the Program Tracking Report, NC3 Architecture Diagrams and NC3 Scenarios document. Will also continue to support engineering, documenting, and assessing the current NC3 architectures and vulnerabilities; further expanding the NC3 future architecture and development of a robust investment roadmap to support the mission of the Joint Systems Engineering and Integration Office (JSEIO) and Senior decision maker's.			

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Exhibit R-2A, RDT&E Project Justification: PB 2016 Defense Information Systems Agency		Date: February 2015		
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / Minimum Essential Emergency Communications Network (MEECN)	Project (Number/Name) T70 / Strategic C3 Support		
B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015	FY 2016
The decrease of -\$2.320 from FY 2014 to FY 2015 will impact the enhancement, design and integration of NC3 capabilities to enable increased performance of the NLCC mission and senior leader priorities. FY 2016 Plans: The decrease of -\$2.370 from FY 2015 to FY 2016 reflects the realignment of various JSEIO engineering/technical efforts towards an integrated construct that provides holistic Systems Engineering, Analysis, and Architecture support.				
Title: Operational Assessments FY 2014 Accomplishments: Continued planning and executing recurring operational assessments of the NC3 system. FY 2015 Plans: Will continue the planning and executing of recurring operational assessments of the NC3 system. The decrease of -\$0.233 from FY 2014 to FY 2015 will cause a schedule slippages of mandated assessments of senior leader fixed, mobile and aerial communication and video capabilities. FY 2016 Plans: The decrease of -\$3.382 from FY 2015 to FY 2016 reflects the realignment of various JSEIO engineering/technical efforts towards an integrated construct that provides holistic Systems Engineering, Analysis and Architectural support.		3.615	3.382	-
Title: Systems Engineering FY 2014 Accomplishments: Enhanced engineering activities for airborne command centers and development of the SLC3S System Description document. FY 2015 Plans: Will continue to provide engineering for airborne command centers and other aircraft and development of the SLC3S System Description. The increase of +\$.853 from FY 2014 to FY 2015 is the result of additional support for long range NLCC planning and vulnerability assessments that ensure NC3 capabilities adequately meet continuously evolving minimal performance requirements for Senior decision makers (e.g., President, DoD command centers, aircraft (e.g., Air Force One and the National Airborne Operations Center) and other C2 platforms). FY 2016 Plans:		0.918	1.771	-

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Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) T70 / <i>Strategic C3 Support</i>	

B. Accomplishments/Planned Programs (\$ in Millions)	FY 2014	FY 2015	FY 2016
The decrease of -\$1.771 from FY 2015 to FY 2016 reflects the realignment of various JSEIO engineering/technical efforts towards an integrated construct that provides holistic Systems Engineering, Analysis, and Architecture support.			
Title: Systems Engineering, Analysis and Architecture	-	-	8.565
FY 2016 Plans: Implement a portfolio management and configuration control construct to facilitate integration and modernization of continuity of operations/continuity of government (COOP/COG), NC3 and Senior Leader Command, Control, and Communications Systems (SLC3S) capabilities that modernize and increase NLCC performance requirements. Continue updates for the Program Tracking Report, NC3 Architecture Diagrams and NC3 Scenarios document to improve NLCC capabilities. Develop engineering solutions and documentation to improve NLCC future capabilities as well as perform operational assessments of the communication platforms to identify performance, operational and any potential vulnerabilities. Expand NLCC future architecture and roadmap to identify return on investment constructs and improve/modernize NLCC capabilities. The increase of +\$8.565 from FY 2015 to FY 2016 is the result of a realignment various JSEIO engineering/technical efforts towards focused on development of integrated holistic Systems Engineering, Analysis, and Architecture support to ensure tightly coupled solutions.			
Accomplishments/Planned Programs Subtotals	9.223	7.523	8.565

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

<u>Line Item</u>	<u>FY 2014</u>	<u>FY 2015</u>	<u>FY 2016 Base</u>	<u>FY 2016 OCO</u>	<u>FY 2016 Total</u>	<u>FY 2017</u>	<u>FY 2018</u>	<u>FY 2019</u>	<u>FY 2020</u>	<u>Cost To Complete</u>	<u>Total Cost</u>
• O&M, PE 0303131K: O&M	14.892	13.983	15.616	-	15.616	15.838	16.462	16.685	16.777	Continuing	Continuing
Remarks											

D. Acquisition Strategy

Full and open competition resulted in contract vehicles with Raytheon, Arlington, VA; Science Applications Int'l Corporation (SAIC), McLean, VA; and Pragmatics, Mclean, VA.

E. Performance Metrics

Performance is measured by compliance with contract deliverables schedules for specifically included products, such as: operational assessment plans, operational reports; revisions to the EAP-CJCS Volumes VI and VII; NC3 System Description documents, and Nuclear C3 Architecture Diagrams. In addition, performance of the Nuclear C3 System is directly measured by the operational assessments funded by this program element. These periodic assessments evaluate the connectivity used

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for the five functions of Nuclear command and control: Situation Monitoring, Planning, Decision Making, Force Execution, and Force Management. Assessment results are used by the Joint Staff to direct changes in system engineering and integration, programmatic execution, and training. Specific performance metrics include the following: Provide engineering products in all task areas that satisfy DoD/CIO and Joint Staff needs within allocated resources 90% of the time. Conduct assessments of the NC3 system and the SLC3S that provide actionable results and recommendations for the Joint Staff and DoD/CIO to pursue improvements to these capabilities 90% of the time. MEECN achieved all its FY 2014 performance metrics and is on track to achieve the FY 2015 and FY 2016 targets of provisioning the Joint Staff requirements within the allocated resources 90% of the time.		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Defense Information Systems Agency												Date: February 2015			
Appropriation/Budget Activity 0400 / 7						R-1 Program Element (Number/Name) PE 0303131K / Minimum Essential Emergency Communications Network (MEECN)				Project (Number/Name) T70 / Strategic C3 Support					
Support (\$ in Millions)				FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 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
Systems Engineering 1	C/CPAF	SAIC : McLean, VA	12.064	3.132	Aug 2014	2.432	Aug 2015	2.432	Aug 2016	-		2.432	Continuing	Continuing	Continuing
Systems Engineering 2	C/CPAF	Raytheon Company : Arlington, VA	25.623	3.342	Feb 2014	3.342	Feb 2015	3.342		-		3.342	Continuing	Continuing	Continuing
Systems Engineering 3	C/CPFF	Pragmatics : McLean, VA	9.070	1.010	Nov 2013	-		-		-		-	-	10.080	10.080
Systems Engineering 4	C/FP	Raytheon Company : Arlington, VA	4.320	1.739	Aug 2014	1.749	Feb 2015	1.749	Feb 2016	-		1.749	Continuing	Continuing	Continuing
Systems Engineering 5	C/CPFF	BAH : Falls Church, VA	4.273	-		-		-		-		-	-	4.273	4.2.73
Systems Engineering 6	C/CPFF	Harris Corporation : Melbourne, FL	2.500	-		-		-		-		-	-	2.500	2.500
Systems Engineering 7	C/CPAF	Carson Engineering : Bethesda, MD	-	-		-		1.042	Jun 2016	-		1.042	Continuing	Continuing	Continuing
System Engineering 8	C/FFP	MITRE Corp : McLean, VA	-	-		-		-		-		-	Continuing	Continuing	Continuing
Subtotal			57.850	9.223		7.523		8.565		-		8.565	-	-	-
			Prior Years	FY 2014		FY 2015		FY 2016 Base		FY 2016 OCO		FY 2016 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals			57.850	9.223		7.523		8.565		-		8.565	-	-	-
Remarks															

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Exhibit R-4, RDT&E Schedule Profile: PB 2016 Defense Information Systems Agency			Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) T70 / <i>Strategic C3 Support</i>	

	FY 2014				FY 2015				FY 2016				FY 2017				FY 2018				FY 2019				FY 2020			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
NC3 Program Tracking Report																												
NC3 Program Tracking Report																												
Systems Analysis Documents																												
Systems Analysis Documents																												
NC3 Reference Architecture																												
NC3 Reference Architecture																												
Operational Assessments																												
Operational Assessments																												
NLCC Portfolio Roadmap																												
NLCC Portfolio Roadmap																												
NLCC System Engineering and Integration																												
NLCC System Engineering and Integration																												

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Exhibit R-4A, RDT&E Schedule Details: PB 2016 Defense Information Systems Agency			Date: February 2015
Appropriation/Budget Activity 0400 / 7	R-1 Program Element (Number/Name) PE 0303131K / <i>Minimum Essential Emergency Communications Network (MEECN)</i>	Project (Number/Name) T70 / <i>Strategic C3 Support</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
NC3 Program Tracking Report				
NC3 Program Tracking Report	1	2014	3	2018
Systems Analysis Documents				
Systems Analysis Documents	1	2014	4	2018
NC3 Reference Architecture				
NC3 Reference Architecture	1	2014	4	2018
Operational Assessments				
Operational Assessments	1	2014	4	2018
NLCC Portfolio Roadmap				
NLCC Portfolio Roadmap	1	2014	1	2019
NLCC System Engineering and Integration				
NLCC System Engineering and Integration	1	2014	1	2019