Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Defense Information Systems Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

BA 7: Operational Systems Development

COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost
Total Program Element	9.615	9.789	9.529	0.000	9.529	9.996	9.998	10.351	10.506	Continuing	Continuing
T64: Special Projects	4.963	4.945	4.795	0.000	4.795	5.242	5.213	5.401	5.477	Continuing	Continuing
T70: Strategic C3 Support	4.652	4.844	4.734	0.000	4.734	4.754	4.785	4.950	5.029	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 (NMCS) to nuclear execution forces integral to fighting a "homeland-to-homeland," as well as theater nuclear war. MEECN includes the Emergency Action Message (EAM) dissemination systems and those systems used for integrated Tactical Warning/Attack Assessment (TW/AA), presidential decision-making conferencing, force report back, re-targeting, force management, and requests for permission to use nuclear weapons. Supporting efforts assure positive control of nuclear forces and connectivity between the Secretary of Defense and strategic and theater forces, and an informed decision-making linkage between the President, the Secretary of Defense, and the Combatant Commands. This capability provides the ability for our national leadership to ensure proper command and control of our forces during times of national emergency, up to and including nuclear war. Reduction or elimination of funding would seriously degrade DISA's ability to perform the systems engineering functions supporting the maintenance and evolution of MEECN. DISA would not be able to provide nuclear C3 planning assistance to the Joint Staff, nor perform assessments of the nuclear C3 system.

Exhibit R-2, RDT&E Budget Item Justification: PB 2011 Defense Information Systems Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

R-1 ITEM NOMENCLATURE

0400: Research, Development, Test & Evaluation, Defense-Wide

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

BA 7: Operational Systems Development

B. Program Change Summary (\$ in Millions)

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Previous President's Budget	9.659	9.830	0.000	0.000	0.000
Current President's Budget	9.615	9.789	9.529	0.000	9.529
Total Adjustments	-0.044	-0.041	9.529	0.000	9.529
 Congressional General Reductions 		-0.041			
 Congressional Directed Reductions 		0.000			
 Congressional Rescissions 	0.000	0.000			
 Congressional Adds 		0.000			
 Congressional Directed Transfers 		0.000			
Reprogrammings	0.000	0.000			
 SBIR/STTR Transfer 	0.000	0.000			
 Other Adjustments 	-0.044	0.000	9.529	0.000	9.529

Change Summary Explanation

In FY 2009, less funding (-\$0.044 million) was required to provide contract support to expand the development of an architecture decision support tool to assist OSD/NII in making better informed investment and budget decisions. The FY 2010 adjustments reflect of -\$0.041 million due to a Congressional reduction for Economic Assumptions. The DoD did not estimate FY 2011 cost when the FY 2010 President's Budget was prepared.

EXHIBIT R-2A, RD I &E Project J	ustification: Pi	B 2011 Dete	nse informat	tion Systems	Agency				DAIE: Feb	ruary 2010		
APPROPRIATION/BUDGET AC 0400: Research, Development, T BA 7: Operational Systems Deve	est & Evaluatio	n, Defense-I	Wide	PE 030313	IOMENCLA 1K: Minimun ations Netwo	n Essential E		PROJECT T64: Specia	al Projects	FY 2015 Cost To		
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost	
T64: Special Projects	4.963	4.945	4.795	0.000	4.795	5.242	5.213	5.401	5.477	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, but is available to individuals having special access to program details.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Special Projects T64	4.963	4.945	4.795	0.000	4.795
Classified.					
FY 2009 Accomplishments: Classified.					
FY 2010 Plans: Classified.					
FY 2011 Base Plans: Classified.					
Accomplishments/PI	anned Programs Subtotals 4.963	4.945	4.795	0.000	4.795

			DATE: February 2010		
		PROJECT			
		T64: Specia	al Projects		
DA 1. Operational Systems Development	Communications Network (MEECN)				
N/A					
D. Acquisition Strategy					
Classified.					
E. Performance Metrics					

Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Defense Information Systems Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

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R-1 ITEM NOMENCLATURE

PROJECT

0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

T64: Special Projects

Product Development (\$ in Millions)

				FY 2	FY 2010				2011 CO	FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering and Integration	C/CPFF	Verizon Arlington, VA	34.999	4.945	Dec 2009	4.795	Dec 2010	0.000		4.795	Continuing	Continuing	Continuing
		Subtotal	34.999	4.945		4.795		0.000		4.795			

Remarks

	Total Prior Years Cost	FY 2010		2011 ise	FY 2	2011 CO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	34.999	4.945	4.795		0.000		4.795			

Remarks

Exhibit R-2A, RDT&E Project Ju	nse Informat	tion Systems Agency					DATE : February 2010					
APPROPRIATION/BUDGET ACT 0400: Research, Development, Te BA 7: Operational Systems Devel	st & Evaluatio	n, Defense-I	Wide	R-1 ITEM NOMENCLATURE PE 0303131K: Minimum Essential Emergency Communications Network (MEECN) PROJECT T70: Strategic C3 Support								
COST (\$ in Millions)	FY 2009 Actual	FY 2010 Estimate	FY 2011 Base Estimate	FY 2011 OCO Estimate	FY 2011 Total Estimate	FY 2012 Estimate	FY 2013 Estimate	FY 2014 Estimate	FY 2015 Estimate	Cost To Complete	Total Cost	
T70: Strategic C3 Support	4.652	4.844	4.734	0.000	4.734	4.754	4.785	4.950	5.029	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 (C3) Systems Engineer to the Joint Staff and provides Executive Leadership and C3 support for the Office of the Assistant Secretary of Defense (OASD), Networks and Information Integration (NII). Systems Analysis supports long range planning and vulnerability assessments to ensure the Nuclear C3 System is adequate under all conditions of stress or war and recommends investment strategies to evolve the Nuclear Command and Control System (NCCS) to achieve desired capabilities. Operational Assessments of fielded systems and weapon platforms provides the sole means for verification of nuclear C3 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 Nuclear C3 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 (T&E). Leading Edge Command, Control, Communications, Computers, and Intelligence (C4I) technology is assessed for all communication platforms supporting Executive Travelers and Senior Leaders to include the interoperability of hardware and operational procedures. These elements support the President's and other DoD command centers and aircraft (e.g., Air Force One and the National Airborne Operations Center (NAOC)). Reduction or elimination of funding would seriously degrade DISA's ability to perform the systems engineering functions supporting the maintenance and evolution of MEECN. DISA would not be able to provide nuclear C3 planning assistance to the Joint Staff or NII, nor perform assessments of the nuclear C3 system.

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

	FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total
Systems Analysis	0.590	0.658	0.678	0.000	0.678
FY 2009 Accomplishments: Funding provided contract support to complete the annual update to the Nuclear C3 System Program Tracking Report, updates to the NC3 Architecture Diagrams and updates to the NC3 Scenarios document. Funding also supported development and engineering of the future NC3 architecture.					

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Inform	nation Systems Agency			DATE: Feb	ruary 2010		
APPROPRIATION/BUDGET ACTIVITY 0400: Research, Development, Test & Evaluation, Defense-Wide BA 7: Operational Systems Development	R-1 ITEM NOMENCLATURE PE 0303131K: Minimum Essential Communications Network (MEECN		cy PROJECT T70: Strategic C3 Support				
B. Accomplishments/Planned Program (\$ in Millions)	,		1				
		FY 2009	FY 2010	FY 2011 Base	FY 2011 OCO	FY 2011 Total	
FY 2010 Plans: Funding will provide contracts for further updates to the Program Architecture Diagrams and Scenarios document; and additional of architecture.							
FY 2011 Base Plans: Funding will provide contracts to update the Program Tracking Reand NC3 Scenarios document; update the NC3 Thin-line Architectelectronic Warfare Assessment report. Additionally, funding will architecture; and engineering, documenting, and assessing the resystem architectures and vulnerabilities.	cture, and produce the NC3 support updating the NC3 future						
Operational Assessments		2.277	2.276	2.351	0.000	2.35	
FY 2009 Accomplishments: Funding provided contracts to plan and conduct recurring Strateg NC3 system.	ic Operational Assessments of the						
FY 2010 Plans: Funding is required for contract support to plan, conduct and ana Operational Assessments.	lyze results of recurring Strategic						
FY 2011 Base Plans: Funding is required for annual operational reports and assessme executing, analyzing and reporting on worldwide operational asse							

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1.785

1.910

1.705

0.000

1.705

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Systems Engineering

Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Information Systems Agency

R-1 ITEM NOMENCLATURE PROJECT

4.652

4.844

4.734

0.000

4.734

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

T70: Strategic C3 Support

DATE: February 2010

FY 2011 | FY 2011 | FY 2011

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

	FY 2009	FY 2010	Base	осо	Total
FY 2009 Accomplishments:					
Funding provided contract support to expand the development of an architecture decision support tool					
to assist OSD/NII in making better informed investment and budget decisions, a baseline assessment					
of airborne communications for the Senior Leadership C3 System (SLC3S), and overarching systems engineering support to the Air Force for the National Airborne Operations Center and other aircraft.					
FY 2010 Plans:					
Funding will provide for continued development and evolution of the decision support tool by certifying and accrediting the tool to operate on a classified network, and additional engineering support for					
airborne systems and command centers.					
FY 2011 Base Plans:					
Funding will expand the architecture decision support capability by adding more mission areas,					
more agencies and components; modeling and simulation support for the SLC3S; and continued					

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

engineering for airborne command centers and other aircraft.

			FY 2011	FY 2011	FY 2011					Cost To	
<u>Line Item</u>	FY 2009	FY 2010	Base	OCO	<u>Total</u>	FY 2012	FY 2013	FY 2014	FY 2015	Complete	Total Cost
• O&M, DW/PE 0303131K: O&M,	8.981	5.571	4.851		4.851	4.949	5.027	5.189	5.300	Continuing	Continuing
DW											

Accomplishments/Planned Programs Subtotals

D. Acquisition Strategy

Full and open competition resulted in contract vehicles with Raytheon, Arlington, VA; Science Applications Int'l Corporation (SAIC), McLean, VA; SRA International, Fairfax, VA; Pragmatics, Mclean, VA; and Booz Allen & Hamilton (BAH), Falls Church, VA.

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Exhibit R-2A, RDT&E Project Justification: PB 2011 Defense Informa	DATE: February 2010		
APPROPRIATION/BUDGET ACTIVITY	R-1 ITEM NOMENCLATURE	PROJECT	
0400: Research, Development, Test & Evaluation, Defense-Wide	PE 0303131K: Minimum Essential Emergency	T70: Strate	gic C3 Support
BA 7: Operational Systems Development	Communications Network (MEECN)		

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; Nuclear C3 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 for the five functions of NC2: 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.

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2011 Defense Information Systems Agency

R-1 ITEM NOMENCLATURE

PROJECT DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

T70: Strategic C3 Support

Product Development (\$ in Millions)

				FY 2	2010	FY 2 Ba		FY 2		FY 2011 Total			
Cost Category Item	Contract Method & Type	Performing Activity & Location	Total Prior Years Cost	Cost	Award Date	Cost	Award Date	Cost	Award Date	Cost	Cost To Complete	Total Cost	Target Value of Contract
Systems Engineering 1	TBD/CPAF	Science Applications Int'l. Corporation McLean, VA	3.663	0.658	Feb 2010	0.678	Feb 2011	0.000		0.678	Continuing	Continuing	5.048
Systems Engineering 2	TBD/CPAF	Raytheon Company Arlington, VA	11.380	2.276	Feb 2010	2.351	Feb 2011	0.000		2.351	Continuing	Continuing	16.052
Systems Engineering 3	TBD/CPFF	Booz Allen & Hamilton Falls Church, VA	3.538	0.450	Nov 2009	0.285	Nov 2010	0.000		0.285	Continuing	Continuing	4.273
Systems Engineering 4	ТМ	Raytheon Company Arlington, VA	1.688	0.460	Feb 2010	0.420	Feb 2011	0.000		0.420	Continuing	Continuing	2.618
Systems Engineering 5	TBD/CPFF	SRA Int'I Fairfax, VA	4.500	1.000	Oct 2009	1.000	Oct 2010	0.000		1.000	Continuing	Continuing	5.500
		Subtotal	24.769	4.844		4.734		0.000		4.734			33.491

Remarks

_										
	Total Prior Years Cost	FY 2	2010	FY 2011 Base	FY 2	2011 CO	FY 2011 Total	Cost To Complete	Total Cost	Target Value of Contract
Project Cost Totals	24.769	4.844		4.734	0.000		4.734			33.491

Remarks

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Exhibit R-4, RDT&E Schedule Profile: PB 2011 Defense Information Systems Agency

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0303131K: Minimum Essential Emergency

Communications Network (MEECN)

PROJECT

T70: Strategic C3 Support

DATE: February 2010

	I	FY 2009			FY 2010				FY 2011					FY 2012				FY 2013				FY 2014				FY 2015			
	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 Review Report																													
Systems Analysis Documents																													
Plans and Procedures																													
Operational Assessment																													
Staff Assistance Visits																													
Aircraft/Command Center Engineering																													

Exhibit R-4A, RDT&E Schedule Details: PB 2011 Defense Information Systems Agency

DATE: February 2010

APPROPRIATION/BUDGET ACTIVITY

0400: Research, Development, Test & Evaluation, Defense-Wide

BA 7: Operational Systems Development

R-1 ITEM NOMENCLATURE

PE 0303131K: Minimum Essential Emergency Communications Network (MEECN)

PROJECT

T70: Strategic C3 Support

Schedule Details

	St	art	E	nd
Event	Quarter	Year	Quarter	Year
NC3 Review Report	2	2009	3	2011
Systems Analysis Documents	2	2009	4	2011
Plans and Procedures	1	2009	3	2011
Operational Assessment	1	2009	4	2011
Staff Assistance Visits	3	2009	4	2011
Aircraft/Command Center Engineering	1	2009	4	2011