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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 0400: <i>Research, Development, Test & Evaluation, Defense-Wide / BA 7: Operational Systems Development</i>					R-1 Program Element (Number/Name) PE 0301144K / <i>Joint/Allied Coalition Information Sharing</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	68.405	6.524	3.931	3.645	-	3.645	6.382	6.154	5.496	5.531	Continuing	Continuing
NND: <i>Multinational Information sharing</i>	68.405	6.524	3.931	3.645	-	3.645	6.382	6.154	5.496	5.531	Continuing	Continuing

A. Mission Description and Budget Item Justification

Through the Combined Enterprise Regional Information Exchange System (CENTRIXS) and Pegasus, the Multinational Information Sharing (MNIS) Program enables secure sharing of operational and intelligence information and enhances collaboration between United States forces, trusted allies and other multinational partners. This effort also increases overall combat effectiveness by leveraging capabilities and information from all partners and reducing the possibility of fratricide. These coalition information sharing systems are in direct support of the Department of Defense's (DoD's) strategic goals to "Win our Nation's Wars" and "Deter conflict and promote security". The MNIS program supports five Combatant Commands (COCOMs) with connectivity in 89 nations, the North America Treaty Organization, 11 Bilateral agreements and 150 sites with over 80,000 users worldwide. MNIS also evaluates new technologies and develops tactics, techniques and procedures to facilitate the integration of emerging technologies and capabilities into operational multinational information sharing capability. The integration of new technology for CENTRIXS and Pegasus is accomplished through research, integration, and testing using the Combined Federated Battle Laboratory Network.

A planned improvement to the CENTRIXS coalition network, Common Mission Network Transport (CMNT), will provide distinct and permanent transport capabilities; enabling network operation centers to priority command and control information more efficiently. CMNT supports DoD instruction 8110.1 guidance for integrating CENTRIXS and other operational networks into existing DoD general service communications infrastructure as a separate network servicing all DoD MNIS requirements. This capability provides a common transport for encrypted traffic. CMNT will be the established encrypted network to facilitate the movement of virtual private network traffic between segments.

The MNIS emerging capability, Unclassified Information Sharing Services (UISS), extends US information sharing capabilities to mission partners providing enterprise-level solutions that allow COCOMs to share unclassified information with US Government agencies and non-traditional partners such as, host nations, intergovernmental organizations, and nongovernmental organizations. The employment concept for the UISS is to implement enterprise Web-based, "non-mil" platform, available to as broad a community as needed to support mission operations, with worldwide, 24 hour-a-day, seven day-a-week access, to any user with an Internet connection, including web-enabled mobile personal devices. Using an Internet-based capability and an integrated suite of commercial-off-the-shelf collaboration tools the UISS capability will enable unclassified information exchanges and ad-hoc communications for shared communities of interest and issue-specific groups among and across organizations and individuals.

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B. Program Change Summary (\$ in Millions)	FY 2014	FY 2015	FY 2016 Base	FY 2016 OCO	FY 2016 Total
Previous President's Budget	6.524	3.931	3.938	-	3.938
Current President's Budget	6.524	3.931	3.645	-	3.645
Total Adjustments	-	-	-0.293	-	-0.293
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	-	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-	-			
• Other Adjustments	-	-	-0.293	-	-0.293

Change Summary Explanation

The FY 2016 decrease of -\$0.293 is due to delayed services in classified testing and integration support for coalition network information sharing Continuous Monitoring and Risk Scoring (CMRS) activities.

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Appropriation/Budget Activity 0400 / 7					R-1 Program Element (Number/Name) PE 0301144K / Joint/Allied Coalition Information Sharing				Project (Number/Name) NND / Multinational Information sharing			
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
NND: Multinational Information sharing	68.405	6.524	3.931	3.645	-	3.645	6.382	6.154	5.496	5.531	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

A. Mission Description and Budget Item Justification

The Multinational Information Sharing (MNIS) Program is a portfolio of four coalition information sharing capabilities designed to enable and improve sharing of operational and intelligence information among US forces and multinational partners.

1) Combined Enterprise Regional Information Exchange System (CENTRIXS), supports intelligence and classified operations at the Secret Releasable level. There are multiple, cryptographically-isolated CENTRIXS enclaves serving various communities of interest (COI) that support multinational efforts including Overseas Contingency Operations and counter-narcotics operations. CENTRIXS is regionally focused and combatant command (COCOM) centric. The MNIS Program Management Office provides selected centralized services from two Defense Enterprise Computing Centers for five of the 40+ CENTRIXS networks/COIs, and engineering support for standardized solutions.

2) Pegasus connects the national Command and Control (C2) systems of Combined Communications Electronics Board (CCEB) Nations including Australia, Canada, New Zealand, United Kingdom and the United States, using commercial-off-the-shelf security appliances and cross domain solutions that facilitate situational awareness and operational planning/execution. Pegasus has a strategic focus and is member nation centric.

3) The Combined Federated Battle Laboratory Network (CFBLNet) provides a controlled coalition Research, Development, Trials and Assessment coalition information sharing "sandbox" for the US, CCEB Nations, North Atlantic Treaty Organization (NATO), and other mission essential nations. This sandbox is used to evaluate new technologies and to develop tactics, techniques and procedures that facilitate the transition of promising technologies and capabilities into operational multinational information sharing capability enhancements. CFBLNet's direct customers are the CCEB nations' military operational and intelligence entities led by their US counterparts at the COCOM and Agency levels. It is being used for the Coalition Warrior Interoperability Demonstrations, NATO missile defense initiatives, and by the Intelligence, Surveillance and Reconnaissance community to test capabilities prior to deployment.

4) The Unclassified Information Sharing Service (UISS) extends US information sharing capabilities to mission partners, enterprise-level solutions that allow COCOMs to share unclassified information with other US Government agencies, host nations, inter-governmental organizations, non-governmental organizations, and other partners.

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

	FY 2014	FY 2015	FY 2016
Title: Multinational Information Sharing	6.524	3.931	3.645
Description: Through the CENTRIXS and Pegasus, the MNIS Program enables secure sharing of operational and intelligence information and enhances collaboration among US forces, most trusted allies and additional multinational partners. Initiated a			

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B. Accomplishments/Planned Programs (\$ in Millions)		FY 2014	FY 2015
<p>capability to support enhancements for the UISS-All Partners Access (APAN). UISS-APAN migrated existing systems supporting coalition sharing to an enterprise solution hosted on a DISA Defense Enterprise Computing Center. UISS-APAN capability will satisfy COCOM needs for tools and technology to support collaboration with non-traditional partners for humanitarian missions.</p> <p>FY 2014 Accomplishments: CENTRIXS CMNT: Enhanced CMNT capabilities and CENTRIXS connections based on user experiences and changing operational needs.</p> <p>Pegasus: Enhanced Pegasus Flexible Chat Platform (FCP) capability and enhanced chat services to all CCEB Nations by continuing to integrate the National Gateway Consolidation Plan.</p> <p>CFBLNet: Evaluated emerging capabilities and technologies supportive of coalition information sharing needs to include infrastructure virtualization. Identified and tested a simultaneous distributed Synthetic Environment capability for American, British, Canadian, and Australian exercises for operational gaps and ways to decrease or eliminate those gaps.</p> <p>UISS-APAN: Performed cloud analysis for transition from Enterprise Service Center (ESC) environment to cloud based hosting and developed capability improvements to increase user capacity.</p> <p>FY 2015 Plans: CENTRIXS CMNT: Will support systems engineering, testing and integration on reconnaissance network requirement capabilities.</p> <p>Pegasus: Will implement the National Gateway Consolidation Plan for web services, VoIP and will continue to improve and to expand and enhance chat services to all CCEB Nations.</p> <p>CFBLNet: Will provide a Research, Development, Trials and Assessment (RDTA) testing environments for NATO, the CCEB nations and other mission essential nations. Will continue to evaluate emerging capabilities and technologies supportive of coalition information sharing needs.</p> <p>UISS-APAN: Will move Infrastructure as a Service (IaaS) to a cloud environment and continue to design and develop capability improvements to increase user capacity.</p>			

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B. Accomplishments/Planned Programs (\$ in Millions)								FY 2014	FY 2015	FY 2016	
<p>The decrease of -\$2.593 between FY 2014 and FY 2015 is due to the completion of CMNT Phase I, II and III requirements in FY 2014.</p> <p>FY 2016 Plans: CENTRIXS CMNT: Complete integration, and testing to increase interoperability of a broader range of customer edge router configurations.</p> <p>Pegasus: Perform testing and integration activities to replace and upgrade Pegasus Chat solution for interoperability with CCEB nations.</p> <p>CFBLNet: Provide integration and testing services to expand CFBLNet enclave to support Coalition Verification and Validation Environment (CV2E) enclave.</p> <p>UISS-APAN: Perform network system architecture designs, development and integration testing for commercial cloud services and mobility efforts.</p> <p>The decrease of -\$0.286 from FY 2015 to FY 2016 is due to delayed services in classified testing and integration support for coalition network information sharing Continuous Monitoring and Risk Scoring (CMRS) activities.</p>											
Accomplishments/Planned Programs Subtotals								6.524	3.931	3.645	
C. Other Program Funding Summary (\$ in Millions)											
Line Item	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
• O&M, DW/0301144K: <i>O&M, DW</i>	47.741	52.414	49.863	-	49.863	50.753	50.871	51.018	51.503	Continuing	Continuing
• Proc, DW/0301144K: <i>Proc, DW</i>	5.433	-	0.596	-	0.596	0.683	0.714	1.011	1.011	Continuing	Continuing
Remarks											
D. Acquisition Strategy											
Performance-based contracts are primarily used for this support. MNIS maximizes the use of competitive awards and uses various contract types, employs large and small contractors, and is focused to achieve agency socio-economic goals and incorporate DoD acquisition reform initiatives. MNIS evaluates performance by conducting thorough Post-award Contract Reviews, monthly Contract Performance Reviews, and monthly In-Process Reviews.											
E. Performance Metrics											
PERFORMANCE METRICS											

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<p>Measure: -Functional and/or Security Test & Evaluation test cases.</p> <p>Performance Metric: -System will provide for 99.99% data integrity for authorized users sharing information cross COI. FY14 (Actual): Met FY15 (Estimate): Expected to Meet FY16 (Estimate): N/A</p> <p>-Maintain 99.99% confidentiality for users, by Nation between COI's. FY14 (Actual): Met FY15 (Estimate): Expected to Meet FY16 (Estimate): N/A</p> <p>-Direct traffic with 99.99% accuracy for chat, email, VOIP, file transfer, data storage and web service. FY14 (Actual): Met FY15 (Estimate): Expected to Meet FY16 (Estimate): N/A</p> <p>Methodology: -Assessment Plan -Sample ≥ 10K transactions (Email, chat & file storage/transfer) -Conduct selected ST&E test cases</p> <p>Measure: -Security</p> <p>Performance Metric: -Deny 98.5% of unauthorized user attempts FY14 (Actual): Met FY15 (Estimate): Expected to Meet FY16 (Estimate): N/A</p> <p>Methodology: -Assessment Plan</p>		

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<p>-DISA Field Security Operations will conduct penetration testing</p> <p>Measure: -Security</p> <p>Performance Metric: -Audit log must capture 99.99% of any unauthorized user activity. FY14 (Actual): Met FY15 (Estimate): Expected to Meet FY16 (Estimate): N/A</p> <p>Measure: -% of design, testing and integration activities for MNIS classified technology refresh projects complete (9 Nodes) – 100%</p> <p>Performance Metric: -Information Assurance (Classified) FY14 (Actual): N/A FY15 (Estimate): N/A FY16 (Estimate): Expected to Meet</p> <p>Methodology: -Technology Refreshes Projects – 100% -Direct traffic with 99.99% accuracy for chat, email, VOIP, file transfer, data storage and web service.</p> <p>Measure: -Number of CFBLNet Exercises/Events hosted</p> <p>Performance Metric: -Annual number of CFBLNet Exercises hosted \geq 2 Exercises Hosted (Empire Challenge & CWIX)</p> <p>FY16 (Estimate): Expected to Meet</p> <p>-Annual number of Test Bed Exercise \geq 16 Test Events Hosted</p> <p>FY16 (Estimate): Expected to Meet</p>		

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<p>Methodology: -# of Exercises hosted per FY</p> <p>Measure: -Cloud integration, Development, Integration, Testing (Unclassified)</p> <p>Performance Metric: -% of Cloud Development, Testing, Integration and Implementation Complete = 100%</p> <p>FY16 (Estimate): Expected to Meet</p> <p>Methodology: - Cloud Development and testing activities</p>		

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Exhibit R-3, RDT&E Project Cost Analysis: PB 2016 Defense Information Systems Agency												Date: February 2015			
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Product Development (\$ 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
Cross Domain Chat - develop & tech svcs	C/CPFF	Harris Corporation : Alexandria VA	14.949	0.200	Feb 2014	-		-		-		-	-	15.149	15.149
Cross Domain Solutions – operational capabilities support	C/CPFF	HAI/Raytheon : Arlington VA	11.781	-		-		-		-		-	-	11.781	11.781
Cross Domain Chat	C/CPFF	TBD : TBD	-	-		0.137	Jan 2015	0.100	Jan 2016	-		0.100	Continuing	Continuing	Continuing
Cross Domain Solutions - Ops Capabilities Spt	C/CPFF	CACI : Chantilly VA	0.200	0.450	Aug 2014	0.075	Feb 2015	0.075	Aug 2016	-		0.075	Continuing	Continuing	Continuing
Subtotal			26.930	0.650		0.212		0.175		-		0.175	-	-	-
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
CLASSIFIED	MIPR	- : -	9.069	-		-		-		-		-	Continuing	Continuing	Continuing
Federally Funded Research Develop Center (FFRDC)	C/CPFF	MITRE : Arlington VA	7.328	-		-		0.822	Sep 2016	-		0.822	Continuing	Continuing	Continuing
Program support	C/CPFF	Ingenium and SAIC : Upper Marlboro MD and Washington D.C.	1.522	-		-		-		-		-	-	1.522	1.522
Engineering Support	C/CPFF	Raytheon : Arlington VA	8.580	-		-		-		-		-	-	8.580	8.580
DoD Services	MIPR	Various - SPAWAR and Pacific Warfighting Ctr : Hawaii	2.910	1.200	Feb 2014	1.122	Oct 2014	-		-		-	Continuing	Continuing	Continuing
Project Planning and Management	C/CPFF	Harris Corporation : Alexandria VA	1.082	3.233	Mar 2014	-		-		-		-	-	4.315	Continuing
Engineering Support	C/CPFF	CACI : Chantilly VA	0.200	0.775	Nov 2013	0.050	Aug 2015	0.075	Aug 2016	-		0.075	Continuing	Continuing	Continuing
Project Planning	C/CPFF	TBD : TBD	-	-		1.553	Nov 2014	0.041	Jan 2016	-		0.041	Continuing	Continuing	-
Engineering Support	C/CPIF	TBD : TBD	-	-		-		0.937	Nov 2015	-		0.937	Continuing	Continuing	Continuing

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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
Subtotal			30.691	5.208		2.725		1.875		-		1.875	-	-	-
Test and Evaluation (\$ 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
Coalition Lab T&E, IAVA STIG	MIPR	JITC : Fort Meade MD	10.784	0.666	Dec 2013	0.994	Dec 2014	1.595	Dec 2015	-		1.595	Continuing	Continuing	Continuing
Subtotal			10.784	0.666		0.994		1.595		-		1.595	-	-	-
			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			68.405	6.524		3.931		3.645		-		3.645	-	-	-
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 0301144K / <i>Joint/Allied Coalition Information Sharing</i>								Project (Number/Name) NND / <i>Multinational Information sharing</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
MULTINATIONAL INFORMATION SHARING (MNIS) – Current Systems																												
CENTRIX Capability																												
CMNT																												
JITC Testing Security/C&A																												
CFBLNet																												
UIS																												

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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 0301144K / <i>Joint/Allied Coalition Information Sharing</i>	Project (Number/Name) NND / <i>Multinational Information sharing</i>	

Schedule Details

Events by Sub Project	Start		End	
	Quarter	Year	Quarter	Year
<i>MULTINATIONAL INFORMATION SHARING (MNIS) – Current Systems</i>				
CENTRIX Capability	1	2014	4	2019
CMNT	1	2014	4	2014
JITC Testing Security/C&A	1	2014	4	2019
CFBLNet	1	2014	4	2019
UIS	1	2014	4	2019